

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department

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

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # (assigned by OCD)
Contact mailing address	

Location of Release Source

Latitude _____ Longitude _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type
Date Release Discovered	API# (if applicable)

Unit Letter	Section	Township	Range	County

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

<input type="checkbox"/> The source of the release has been stopped.	
<input type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. 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 attach all information needed for closure evaluation.	
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.	
Printed Name: _____	Title: _____
Signature: <u>Patricia Zapanta</u>	Date: _____
email: _____	Telephone: _____
<u>OCD Only</u>	
Received by: _____	Date: _____

<div> <div>Received by OCD: 4/2/2024 8:58:02 AM</div> <div>Convert irregular shape into a series of rectangles</div> </div>	Length (ft.)	Width (ft.)	Average Depth (in.)	On/Off Pad (dropdown)	Soil Spilled-Fluid Saturation (%)	Estimated volume of each area (bbl.)	Total Estimated Volume of Spill (bbl.)		Total Estimated Contaminated Soil, uncompacted, 25% (yd³.)	<div> <div>Page 3 of 124</div> <div>Current Rule of Thumb - RMR Handover Volume, (yd³.)</div> </div>
	Rectangle A	65.0	35.0	0.2	On-Pad✓	10.50%	6.75		0.71	750
	Rectangle B				✓		0.00			
	Rectangle C				✓		0.00			
	Rectangle D				✓		0.00			
	Rectangle E				✓		0.00			
	Rectangle F				✓		0.00			
	Rectangle G				✓		0.00			
	Rectangle H				✓		0.00			
	Rectangle I				✓		0.00			
	Released to Imaging: 5/7/2024 1:23:19 PM				✓		0.00			.
Total Subsurface Volume Released:							0.7087		1.76	BU



SITE INFORMATION

Closure Report
Coonskin Fee 28D CTB (02.18.24)
Lea County, New Mexico
Incident ID: NAPP2404951211
Unit D Sec 28 T24S R35E
32.1956°, -103.3779°

Crude Oil Release
Point of Release: Equipment Failure
Release Date: 02.18.24
Volume Released: 1 Barrel of Crude Oil
Volume Recovered: 0 Barrels of Crude Oil

CARMONA RESOURCES



Prepared for:
Concho Operating, LLC
600 W Illinois Ave,
Midland, Texas 79701

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

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March 29, 2024

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

**Re: Closure Report
Coonskin Fee 28D CTB (02.18.24)
Concho Operating, LLC
Incident ID: NAPP2404951211
Site Location: Unit D, S28, T24S, R35E
(Lat 32.1956°, Long -103.3779°)
Lea County, New Mexico**

To whom it may concern:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site activities for the Coonskin Fee 28D CTB (02.18.24). The site is located at 32.1956°, -103.3779° within Unit D, S28, T24S, and R35E, in Lea County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on February 18, 2024, due to equipment failure resulting in a fire. It resulted in approximately one (1) barrel of crude oil being released and zero (0) barrels of crude oil being recovered. The impacted area occurred on the pad, shown in Figure 3. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water sources are within a 0.50-mile radius of the location. The closest well is approximately 1.92 miles Northeast of the site in S15, T24S, R35E and was drilled in 1976. The well has a reported depth to groundwater of 9.83 feet below the ground surface (ft bgs). A copy of the associated point of diversion is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

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

4.0 Site Assessment Activities

On February 26, 2024, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of three (3) vertical sample points (S-1 through S-3) and four (4) horizontal sample points (H-1 through H-4) were advanced to depths ranging from the surface to 1.0' bgs inside the release area to assess the vertical and horizontal extent. Carmona Resources did not sample near the base of the flare in the heavy stained area. See Figure 3 for the sample locations. For chemical analysis, the soil samples

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



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. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

See Table 1 for the analytical results.

5.0 Remediation Activities

Carmona Resources personnel were on site to oversee excavation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via NMOCD web portal on March 7, 2024, per Subsection D of 19.15.29.12 NMAC. See Appendix C. A total of eight (8) confirmation floor samples (CS-1 through CS-8) and ten (10) sidewall samples (SW-1 through SW-10) were collected every 200 square feet to ensure the proper removal of the contaminated soils. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Cardinal Laboratories in Hobbs, New Mexico. All collected samples were analyzed for TPH by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. Refer to Table 2. The excavation depths and confirmation sample locations are shown in Figure 4.

Approximately 40 cubic yards of material were excavated and transported offsite for proper disposal.

6.0 Conclusions

Based on the assessment results and the analytical data, no further actions are required at the site. The final C-141 is attached, and COG formally requests the closure of the release. If you have any questions regarding this report or need additional information, please get in touch with us at 432-813-1992.

Sincerely,

Carmona Resources, LLC

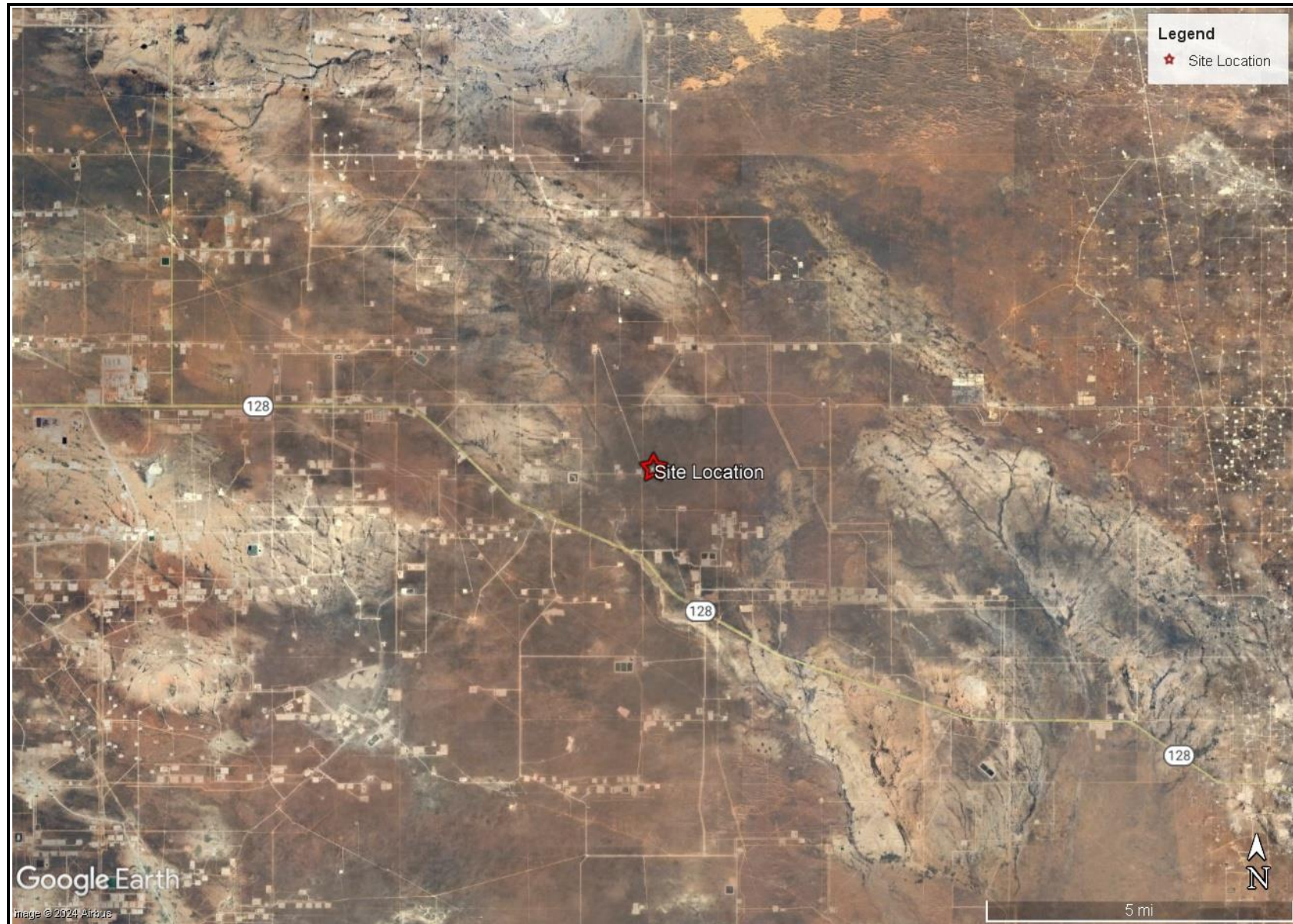
Mike Carmona
Environmental Manager

Conner Moehring
Sr. Project Manager

FIGURES

CARMONA RESOURCES

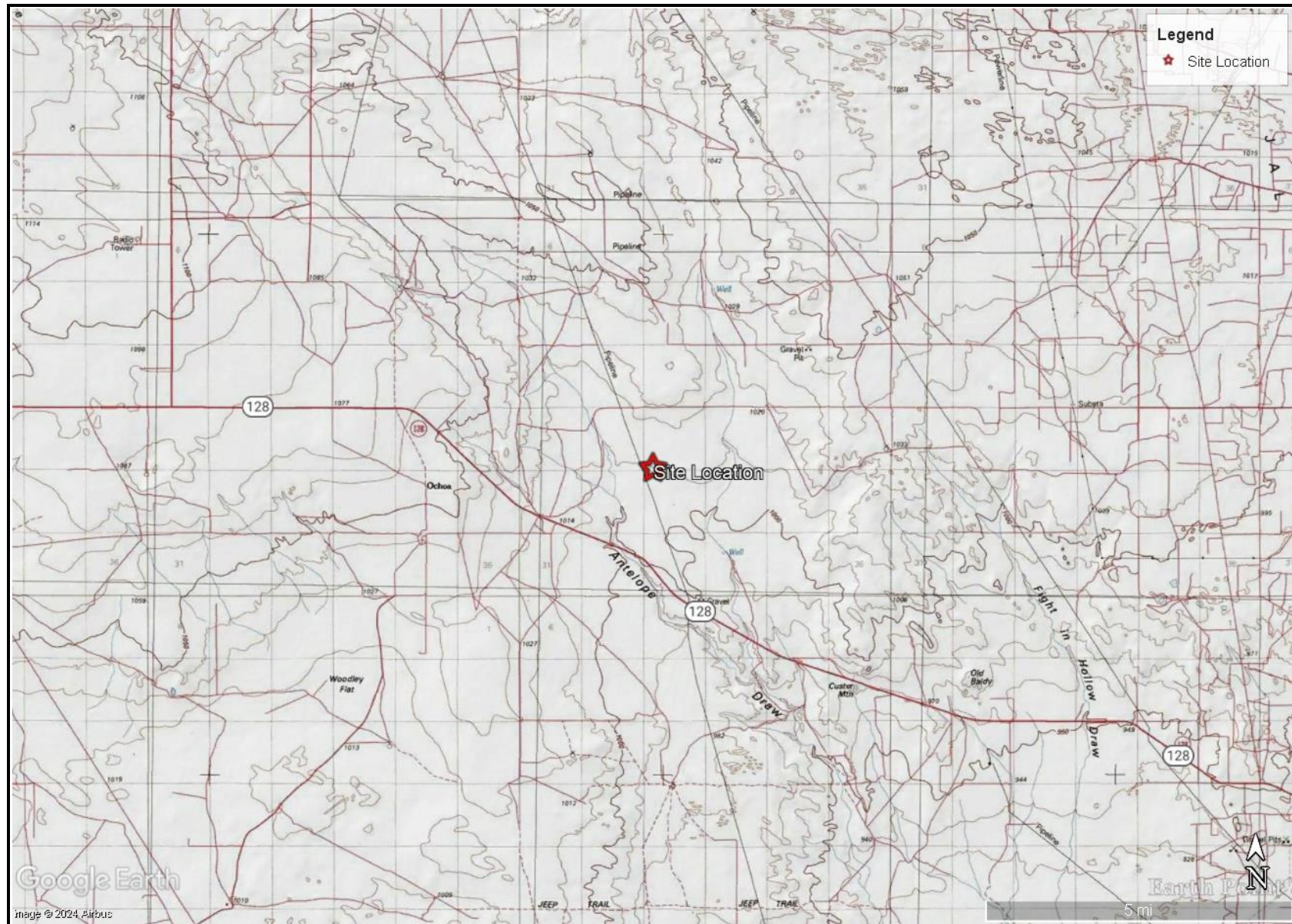




OVERVIEW MAP
COG OPERATING, LLC
COONSKIN FEE 28D CTB (02.18.24)
LEA COUNTY, NEW MEXICO
32.1956°, -103.3779°



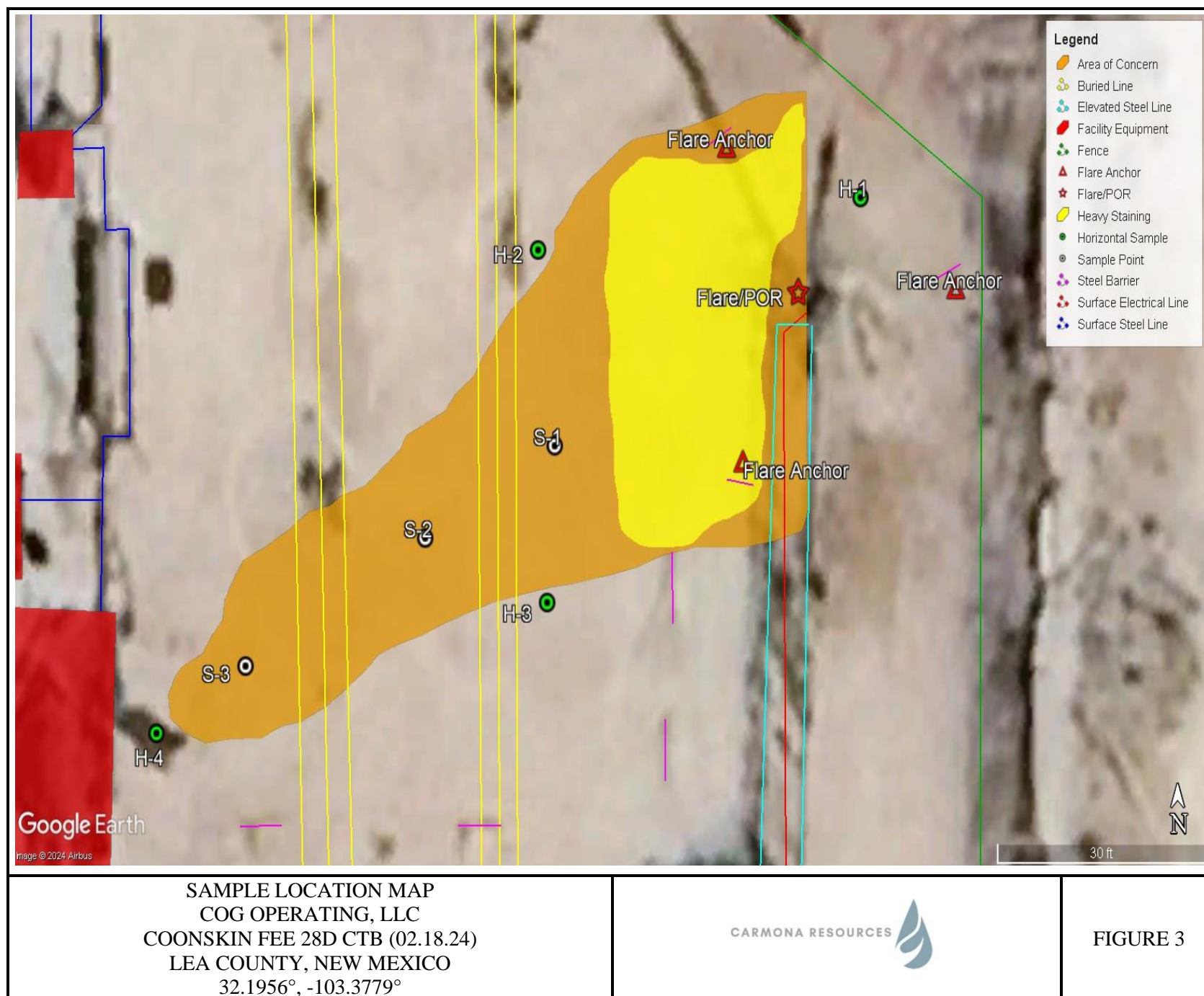
FIGURE 1

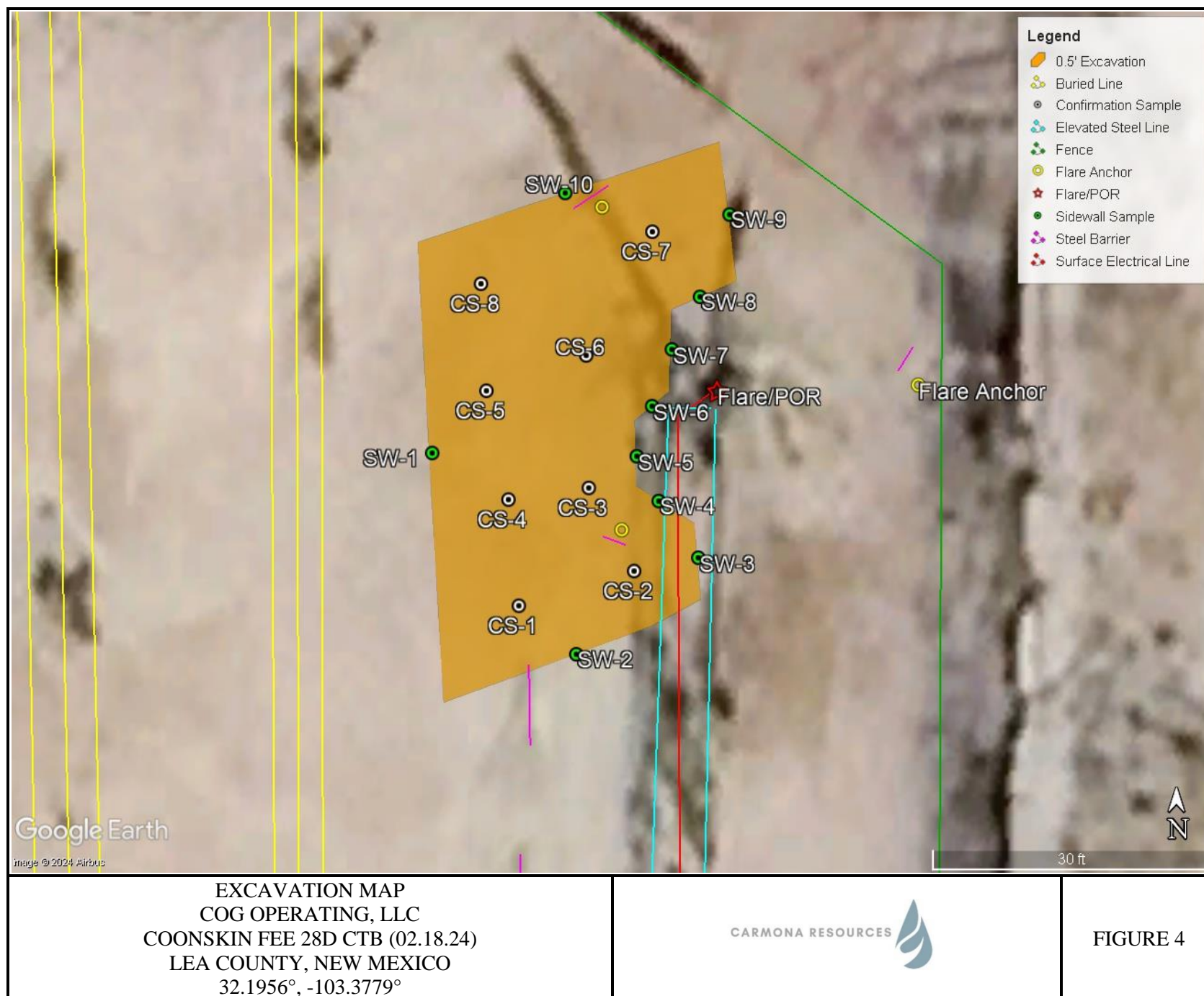


TOPOGRAPHIC MAP
 COG OPERATING, LLC
 COONSKIN FEE 28D CTB (02.18.24)
 LEA COUNTY, NEW MEXICO
 32.1956°, -103.3779°



FIGURE 2





APPENDIX A

CARMONA RESOURCES



Table 1
COG Operating
Coonskin Fee 28D CTB (02.18.24)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	2/26/2024	0-0.25	<50.5	<50.5	<50.5	<50.5	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	85.3
	"	0.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	95.6
	"	1.0	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	163
S-2	2/26/2024	0-0.25	<50.0	97.6	<50.0	97.6	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	209
	"	0.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	232
	"	1.0	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	138
S-3	2/26/2024	0-0.25	<50.1	50.2	<50.1	50.2	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	115
	"	0.5	<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	81.2
	"	1.0	<50.2	<50.2	<50.2	<50.2	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	97.3
H-1	2/26/2024	0-0.5	<49.7	<49.7	<49.7	<49.7	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	85.0
H-2	2/26/2024	0-0.5	<50.5	<50.5	<50.5	<50.5	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	130
H-3	2/26/2024	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	90.0
H-4	2/26/2024	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	95.1
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 Sample

Table 2
COG Operating
Coonskin Fee 28D CTB (02.18.24)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	3/12/2024	0.5	<10.0	15.6	<10.0	15.6	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-2	3/12/2024	0.5	<10.0	55.0	<10.0	55.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-3	3/12/2024	0.5	<10.0	72.9	15.3	88.2	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-4	3/12/2024	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-5	3/12/2024	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-6	3/12/2024	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-7	3/12/2024	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-8	3/12/2024	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-1	3/12/2024	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-2	3/12/2024	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-3	3/12/2024	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-4	3/12/2024	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-5	3/12/2024	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-6	3/12/2024	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-7	3/12/2024	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-8	3/12/2024	0.5	<10.0	11.6	<10.0	11.6	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-9	3/12/2024	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-10	3/12/2024	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
Battle Axe Pit	3/12/2024	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
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

Photograph No. 1

Facility: Coonskin Fee 28D CTB (02.18.24)

County: Lea County, New Mexico

Description:

View Northeast, area of CS-1 through CS-8.



Photograph No. 2

Facility: Coonskin Fee 28D CTB (02.18.24)

County: Lea County, New Mexico

Description:

View South, area of CS-1 through CS-8.



Photograph No. 3

Facility: Coonskin Fee 28D CTB (02.18.24)

County: Lea County, New Mexico

Description:

View Southeast, area of CS-1 through CS-6.



PHOTOGRAPHIC LOG
COG Operating

Photograph No. 4

Facility: Coonskin Fee 28D CTB (02.18.24)

County: Lea County, New Mexico

Description:
View Southeast, area of CS-7 and CS-8



APPENDIX C

CARMONA RESOURCES



District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 315330

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 315330
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Coonskin Fee 28D CTB
Date Release Discovered	02/18/2024
Surface Owner	Private

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

Nature and Volume of Release	
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: Other Other (Specify) 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)	Not answered.

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

QUESTIONS, Page 2

Action 315330

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 315330
	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	emergency services were not notified, the fire burned itself out. the release was confined to the well pad directly under the flare.
Per Paragraph 4 of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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

ACKNOWLEDGMENTS

Action 315330

ACKNOWLEDGMENTS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 315330
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

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

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 315330

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 315330
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
jlaire	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	2/18/2024

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 321346

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 321346
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2404951211
Incident Name	NAPP2404951211 COONSKIN FEE 28D CTB @ 0
Incident Type	Oil Release
Incident Status	Notification Accepted
Incident Facility	[fAPP2135130341] Coonskin Fee 28D Battery

Location of Release Source	
Site Name	Coonskin Fee 28D CTB
Date Release Discovered	02/18/2024
Surface Owner	Private

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	3,500
What is the estimated number of samples that will be gathered	18
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/12/2024
Time sampling will commence	10:00 AM
Please provide any information necessary for observers to contact samplers	Mike Carmona (432) 813-1992
Please provide any information necessary for navigation to sampling site	At the intersection of NM 128 and an unnamed lease road (located at GPS 32.181715°, -103.398503°), travel north for 0.90 miles and turn right on the unnamed lease road. Travel east for 1.18 miles and turn left into the pad entrance. The area of concern is located on the NE end of the pad. GPS coordinates 32.196054°, -103.377192°.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 321346

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 321346
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jlaire	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.	3/7/2024

APPENDIX D

CARMONA RESOURCES



Nearest water well

COG Operating

Legend

- 0.50 Mile Radius
- 1.92 Miles
- 2.23 Miles
- 2.23 Miles
- Coonskin Fee 28D CTB (02.18.2024)
- NMSEO Water Well
- USGS Water Well



9.83' - Drilled 1976

Coonskin Fee 28D CTB (02.18.2024)

180' - Drilled 2023

138.58' - Drilled 1970

Low Karst

COG Operating

Legend

- Coonskin Fee 28D CTB (02.18.2024)
- Low

Coonskin Fee 28D CTB (02.18.2024)





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 00839 POD1	CP	LE		4	3	30	24S	35E		650017	3561833*	3208	175		
C 04682	C	LE		4	4	2	25	24S	34E	649349	3562621	3593	290	180	110

Average Depth to Water: **180 feet**

Minimum Depth: **180 feet**

Maximum Depth: **180 feet**

Record Count: 2

UTMNAD83 Radius Search (in meters):

Easting (X): 652882

Northing (Y): 3563278

Radius: 4000

*UTM location was derived from PLSS - see Help

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2/20/24 2:40 PM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



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National Water Information System: Web Interface


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

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

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 321249103211101

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

USGS 321249103211101 24S.35E.15.234

Lea County, New Mexico
Latitude 32°12'49", Longitude 103°21'11" NAD27
Land-surface elevation 3,346 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1968-06-12			D 62610		3343.04	NGVD29	1	Z		
1968-06-12			D 62611		3344.55	NAVD88	1	Z		
1968-06-12			D 72019	1.45			1	Z		
1970-12-09			D 62610		3338.22	NGVD29	1	Z		
1970-12-09			D 62611		3339.73	NAVD88	1	Z		
1970-12-09			D 72019	6.27			1	Z		
1976-01-16			D 62610		3334.66	NGVD29	1	Z		
1976-01-16			D 62611		3336.17	NAVD88	1	Z		
1976-01-16			D 72019	9.83			1	Z		

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet

Section	Code	Description
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	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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




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0.29 0.25 nadww02



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 04682	4	4	2	25	24S	34E	649349	3562621 
<hr/>									
Driller License: 1058		Driller Company:				KEY'S DRILLING & PUMP SERVICE			
Driller Name: GARY KEY									
Drill Start Date: 12/20/2022		Drill Finish Date:				01/18/2023		Plug Date: 01/18/2023	
Log File Date: 02/08/2023		PCW Rcv Date:						Source: Shallow	
Pump Type:		Pipe Discharge Size:						Estimated Yield: 3 GPM	
Casing Size: 4.50		Depth Well:				290 feet		Depth Water: 180 feet	
<hr/>									
Water Bearing Stratifications:				Top	Bottom	Description			
				157	270	Sandstone/Gravel/Conglomerate			
<hr/>									
Casing Perforations:				Top	Bottom				
				160	290				
<hr/>									

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2/20/24 2:46 PM

POINT OF DIVERSION SUMMARY



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National Water Information System: Web Interface

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

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

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 321039103243401

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

USGS 321039103243401 24S.35E.30.34233

Lea County, New Mexico
Latitude 32°10'39", Longitude 103°24'34" NAD27
Land-surface elevation 3,343 feet above NAVD88
The depth of the well is 176 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Chinle Formation (231CHNL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measur
1953-11-27			D 62610		3201.89	NGVD29	1		Z	
1953-11-27			D 62611		3203.44	NAVD88	1		Z	
1953-11-27			D 72019	139.56			1		Z	
1965-11-02			D 62610		3200.46	NGVD29	1		Z	
1965-11-02			D 62611		3202.01	NAVD88	1		Z	
1965-11-02			D 72019	140.99			1		Z	
1968-06-12			D 62610		3200.93	NGVD29	1		Z	
1968-06-12			D 62611		3202.48	NAVD88	1		Z	
1968-06-12			D 72019	140.52			1		Z	
1970-12-08			D 62610		3202.87	NGVD29	1		Z	
1970-12-08			D 62611		3204.42	NAVD88	1		Z	
1970-12-08			D 72019	138.58			1		Z	

Explanation		
Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Title: Groundwater for New Mexico: Water Levels
URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>



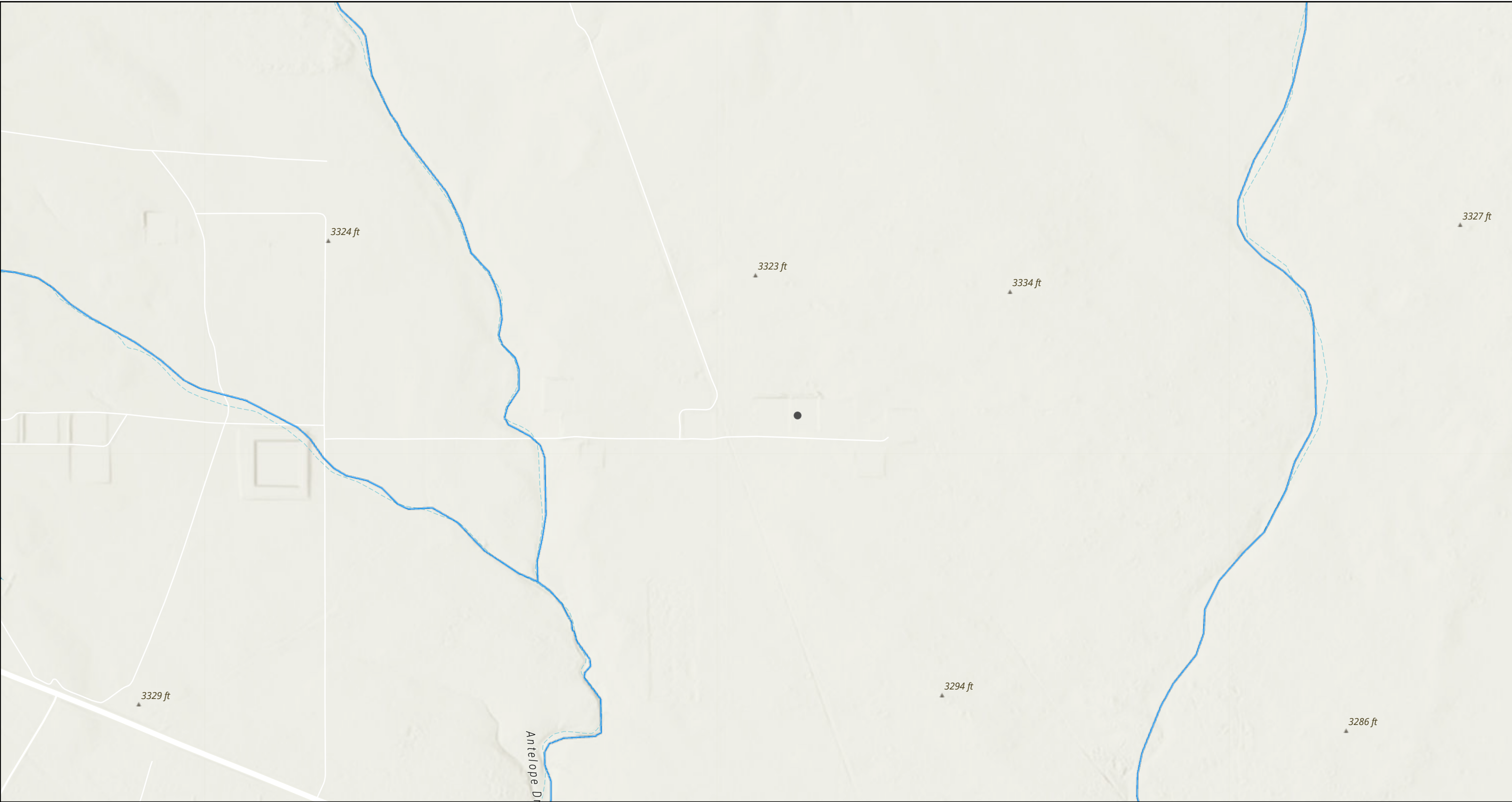
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0.34 0.31 nadww01

FEMA National Flood Hazard Layer (NFHL)



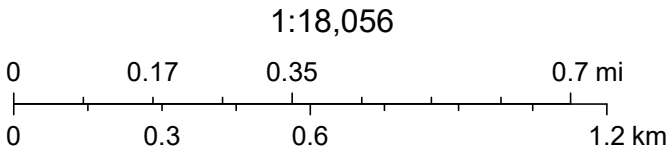
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Coonskin Fee 28D CTB (02.18.2024)



2/20/2024, 3:39:40 PM

— OSE Streams



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APPENDIX E

CARMONA RESOURCES





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mike Carmona
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701
Generated 3/4/2024 2:58:42 PM

JOB DESCRIPTION

Coonskin Fee 28D CTB Flare Fire (02.18.24)
Lea County, New Mexico

JOB NUMBER

880-40071-1

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
3/4/2024 2:58:42 PM

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

Client: Carmona Resources
Project/Site: Coonskin Fee 28D CTB Flare Fire (02.18.24)

Laboratory Job ID: 880-40071-1
SDG: Lea County, New Mexico

Table of Contents

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Surrogate Summary	14
QC Sample Results	15
QC Association Summary	20
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Method Summary	27
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Chain of Custody	29
Receipt Checklists	30

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Coonskin Fee 28D CTB Flare Fire (02.18.24)

Job ID: 880-40071-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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: Coonskin Fee 28D CTB Flare Fire (02.18.24)

Job ID: 880-40071-1

Job ID: 880-40071-1

Eurofins Midland

Job Narrative 880-40071-1

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

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

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

Receipt

The samples were received on 2/28/2024 2:05 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 -1.7°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (0-0.25') (880-40071-1), S-1 (0.5') (880-40071-2), S-1 (1.0') (880-40071-3), S-2 (0-0.25') (880-40071-4), S-2 (0.5') (880-40071-5), S-2 (1.0') (880-40071-6), S-3 (0-0.25') (880-40071-7), S-3 (0.5') (880-40071-8) and S-3 (1.0') (880-40071-9).

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: S-2 (1.0') (880-40071-6). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: S-2 (0.5') (880-40071-5). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The method blank for preparation batch 880-74188 and 880-74361 and analytical batch 880-74315 contained Benzene above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-74361 and analytical batch 880-74315 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-74398 and analytical batch 880-74445 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-74398/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The method blank for preparation batch 880-74398 and analytical batch 880-74445 contained Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-74398 and analytical batch 880-74445 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-74445 recovered above the upper

Eurofins Midland

Case Narrative

Client: Carmona Resources
Project: Coonskin Fee 28D CTB Flare Fire (02.18.24)

Job ID: 880-40071-1

Job ID: 880-40071-1 (Continued) **Eurofins Midland**

control limit for Diesel Range Organics (Over C10-C28). An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-74445/20).

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: Coonskin Fee 28D CTB Flare Fire (02.18.24)

Job ID: 880-40071-1
SDG: Lea County, New Mexico

Client Sample ID: S-1 (0-0.25')

Lab Sample ID: 880-40071-1

Date Collected: 02/26/24 00:00

Matrix: Solid

Date Received: 02/28/24 14:05

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		02/29/24 12:21	03/01/24 03:39	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/29/24 12:21	03/01/24 03:39	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/29/24 12:21	03/01/24 03:39	1
m-Xylene & p-Xylene	<0.00396	U **	0.00396		mg/Kg		02/29/24 12:21	03/01/24 03:39	1
o-Xylene	<0.00198	U **	0.00198		mg/Kg		02/29/24 12:21	03/01/24 03:39	1
Xylenes, Total	<0.00396	U **	0.00396		mg/Kg		02/29/24 12:21	03/01/24 03:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	02/29/24 12:21	03/01/24 03:39	1
1,4-Difluorobenzene (Surr)	80		70 - 130	02/29/24 12:21	03/01/24 03:39	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			03/01/24 03:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			03/01/24 12:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		02/29/24 15:18	03/01/24 12:37	1
Diesel Range Organics (Over C10-C28)	<50.5	U ** *1	50.5		mg/Kg		02/29/24 15:18	03/01/24 12:37	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		02/29/24 15:18	03/01/24 12:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	02/29/24 15:18	03/01/24 12:37	1
o-Terphenyl	94		70 - 130	02/29/24 15:18	03/01/24 12:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	85.3		4.96		mg/Kg			02/29/24 10:48	1

Client Sample ID: S-1 (0.5')

Lab Sample ID: 880-40071-2

Date Collected: 02/26/24 00:00

Matrix: Solid

Date Received: 02/28/24 14:05

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		02/29/24 12:21	03/01/24 03:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/29/24 12:21	03/01/24 03:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/29/24 12:21	03/01/24 03:59	1
m-Xylene & p-Xylene	<0.00400	U **	0.00400		mg/Kg		02/29/24 12:21	03/01/24 03:59	1
o-Xylene	<0.00200	U **	0.00200		mg/Kg		02/29/24 12:21	03/01/24 03:59	1
Xylenes, Total	<0.00400	U **	0.00400		mg/Kg		02/29/24 12:21	03/01/24 03:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	02/29/24 12:21	03/01/24 03:59	1
1,4-Difluorobenzene (Surr)	75		70 - 130	02/29/24 12:21	03/01/24 03:59	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Coonskin Fee 28D CTB Flare Fire (02.18.24)

Job ID: 880-40071-1
SDG: Lea County, New Mexico

Client Sample ID: S-1 (0.5')
Date Collected: 02/26/24 00:00
Date Received: 02/28/24 14:05

Lab Sample ID: 880-40071-2
Matrix: Solid

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			03/01/24 03:59	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.9	U	49.9		mg/Kg			03/01/24 12:59	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	<49.9	U	49.9		mg/Kg		02/29/24 15:18	03/01/24 12:59	1	
Diesel Range Organics (Over C10-C28)	<49.9	U *+ *1	49.9		mg/Kg		02/29/24 15:18	03/01/24 12:59	1	
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/29/24 15:18	03/01/24 12:59	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	92		70 - 130				02/29/24 15:18	03/01/24 12:59	1	
o-Terphenyl	77		70 - 130				02/29/24 15:18	03/01/24 12:59	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	95.6		4.98		mg/Kg			02/29/24 10:56	1	

Client Sample ID: S-1 (1.0')
Date Collected: 02/26/24 00:00
Date Received: 02/28/24 14:05

Lab Sample ID: 880-40071-3
Matrix: Solid

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		02/29/24 12:21	03/01/24 04:20	1	
Toluene	<0.00199	U	0.00199		mg/Kg		02/29/24 12:21	03/01/24 04:20	1	
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/29/24 12:21	03/01/24 04:20	1	
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		02/29/24 12:21	03/01/24 04:20	1	
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		02/29/24 12:21	03/01/24 04:20	1	
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		02/29/24 12:21	03/01/24 04:20	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	80		70 - 130				02/29/24 12:21	03/01/24 04:20	1	
1,4-Difluorobenzene (Surr)	76		70 - 130				02/29/24 12:21	03/01/24 04:20	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			03/01/24 04:20	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.7	U	49.7		mg/Kg			03/01/24 13:42	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	<49.7	U	49.7		mg/Kg		02/29/24 15:18	03/01/24 13:42	1	
Diesel Range Organics (Over C10-C28)	<49.7	U *+ *1	49.7		mg/Kg		02/29/24 15:18	03/01/24 13:42	1	

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Client Sample Results

Client: Carmona Resources
Project/Site: Coonskin Fee 28D CTB Flare Fire (02.18.24)

Job ID: 880-40071-1
SDG: Lea County, New Mexico

Client Sample ID: S-1 (1.0')
Date Collected: 02/26/24 00:00
Date Received: 02/28/24 14:05

Lab Sample ID: 880-40071-3
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/29/24 15:18	03/01/24 13:42	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	88		70 - 130				02/29/24 15:18	03/01/24 13:42	1	
o-Terphenyl	74		70 - 130				02/29/24 15:18	03/01/24 13:42	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	163		5.00		mg/Kg			02/29/24 11:04	1	

Client Sample ID: S-2 (0-0.25')
Date Collected: 02/26/24 00:00
Date Received: 02/28/24 14:05

Lab Sample ID: 880-40071-4
Matrix: Solid

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		02/29/24 12:21	03/01/24 04:40	1	
Toluene	<0.00201	U	0.00201		mg/Kg		02/29/24 12:21	03/01/24 04:40	1	
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/29/24 12:21	03/01/24 04:40	1	
m-Xylene & p-Xylene	<0.00402	U **	0.00402		mg/Kg		02/29/24 12:21	03/01/24 04:40	1	
o-Xylene	<0.00201	U **	0.00201		mg/Kg		02/29/24 12:21	03/01/24 04:40	1	
Xylenes, Total	<0.00402	U **	0.00402		mg/Kg		02/29/24 12:21	03/01/24 04:40	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	87		70 - 130				02/29/24 12:21	03/01/24 04:40	1	
1,4-Difluorobenzene (Surr)	71		70 - 130				02/29/24 12:21	03/01/24 04:40	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			03/01/24 04:40	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	97.6		50.0		mg/Kg			03/01/24 14:04	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/29/24 15:18	03/01/24 14:04	1	
Diesel Range Organics (Over C10-C28)	97.6	** *1	50.0		mg/Kg		02/29/24 15:18	03/01/24 14:04	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/29/24 15:18	03/01/24 14:04	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	98		70 - 130				02/29/24 15:18	03/01/24 14:04	1	
o-Terphenyl	86		70 - 130				02/29/24 15:18	03/01/24 14:04	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	209		5.00		mg/Kg			02/29/24 11:12	1	

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Client Sample Results

Client: Carmona Resources
Project/Site: Coonskin Fee 28D CTB Flare Fire (02.18.24)

Job ID: 880-40071-1
SDG: Lea County, New Mexico

Client Sample ID: S-2 (0.5')

Lab Sample ID: 880-40071-5

Date Collected: 02/26/24 00:00

Matrix: Solid

Date Received: 02/28/24 14:05

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		02/29/24 12:21	03/01/24 05:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/29/24 12:21	03/01/24 05:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/29/24 12:21	03/01/24 05:01	1
m-Xylene & p-Xylene	<0.00399	U **	0.00399		mg/Kg		02/29/24 12:21	03/01/24 05:01	1
o-Xylene	<0.00200	U **	0.00200		mg/Kg		02/29/24 12:21	03/01/24 05:01	1
Xylenes, Total	<0.00399	U **	0.00399		mg/Kg		02/29/24 12:21	03/01/24 05:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	02/29/24 12:21	03/01/24 05:01	1
1,4-Difluorobenzene (Surr)	62	S1-	70 - 130	02/29/24 12:21	03/01/24 05:01	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			03/01/24 05:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/01/24 14:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/29/24 15:18	03/01/24 14:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U ** *1	49.9		mg/Kg		02/29/24 15:18	03/01/24 14:26	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/29/24 15:18	03/01/24 14:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	02/29/24 15:18	03/01/24 14:26	1
o-Terphenyl	75		70 - 130	02/29/24 15:18	03/01/24 14:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	232		4.99		mg/Kg			02/29/24 11:45	1

Client Sample ID: S-2 (1.0')

Lab Sample ID: 880-40071-6

Date Collected: 02/26/24 00:00

Matrix: Solid

Date Received: 02/28/24 14:05

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		02/29/24 12:21	03/01/24 05:21	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/29/24 12:21	03/01/24 05:21	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/29/24 12:21	03/01/24 05:21	1
m-Xylene & p-Xylene	<0.00398	U **	0.00398		mg/Kg		02/29/24 12:21	03/01/24 05:21	1
o-Xylene	<0.00199	U **	0.00199		mg/Kg		02/29/24 12:21	03/01/24 05:21	1
Xylenes, Total	<0.00398	U **	0.00398		mg/Kg		02/29/24 12:21	03/01/24 05:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	02/29/24 12:21	03/01/24 05:21	1
1,4-Difluorobenzene (Surr)	62	S1-	70 - 130	02/29/24 12:21	03/01/24 05:21	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Coonskin Fee 28D CTB Flare Fire (02.18.24)

Job ID: 880-40071-1
SDG: Lea County, New Mexico

Client Sample ID: S-2 (1.0')

Lab Sample ID: 880-40071-6

Date Collected: 02/26/24 00:00

Matrix: Solid

Date Received: 02/28/24 14:05

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			03/01/24 05:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			03/01/24 14:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		02/29/24 15:18	03/01/24 14:48	1
Diesel Range Organics (Over C10-C28)	<49.6	U ** *1	49.6		mg/Kg		02/29/24 15:18	03/01/24 14:48	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		02/29/24 15:18	03/01/24 14:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				02/29/24 15:18	03/01/24 14:48	1
o-Terphenyl	78		70 - 130				02/29/24 15:18	03/01/24 14:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	138		5.05		mg/Kg			02/29/24 11:53	1

Client Sample ID: S-3 (0-0.25')

Lab Sample ID: 880-40071-7

Date Collected: 02/26/24 00:00

Matrix: Solid

Date Received: 02/28/24 14:05

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		02/29/24 12:21	03/01/24 05:41	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/29/24 12:21	03/01/24 05:41	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/29/24 12:21	03/01/24 05:41	1
m-Xylene & p-Xylene	<0.00396	U **	0.00396		mg/Kg		02/29/24 12:21	03/01/24 05:41	1
o-Xylene	<0.00198	U **	0.00198		mg/Kg		02/29/24 12:21	03/01/24 05:41	1
Xylenes, Total	<0.00396	U **	0.00396		mg/Kg		02/29/24 12:21	03/01/24 05:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				02/29/24 12:21	03/01/24 05:41	1
1,4-Difluorobenzene (Surr)	77		70 - 130				02/29/24 12:21	03/01/24 05:41	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			03/01/24 05:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	50.2		50.1		mg/Kg			03/01/24 15:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		02/29/24 15:18	03/01/24 15:10	1
Diesel Range Organics (Over C10-C28)	50.2	** *1	50.1		mg/Kg		02/29/24 15:18	03/01/24 15:10	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Coonskin Fee 28D CTB Flare Fire (02.18.24)

Job ID: 880-40071-1
SDG: Lea County, New Mexico

Client Sample ID: S-3 (0-0.25')

Lab Sample ID: 880-40071-7

Date Collected: 02/26/24 00:00

Matrix: Solid

Date Received: 02/28/24 14:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		02/29/24 15:18	03/01/24 15:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				02/29/24 15:18	03/01/24 15:10	1
o-Terphenyl	89		70 - 130				02/29/24 15:18	03/01/24 15:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	115		4.97		mg/Kg			02/29/24 04:10	1

Client Sample ID: S-3 (0.5')

Lab Sample ID: 880-40071-8

Date Collected: 02/26/24 00:00

Matrix: Solid

Date Received: 02/28/24 14:05

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		02/29/24 12:21	03/01/24 06:02	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/29/24 12:21	03/01/24 06:02	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/29/24 12:21	03/01/24 06:02	1
m-Xylene & p-Xylene	<0.00402	U **	0.00402		mg/Kg		02/29/24 12:21	03/01/24 06:02	1
o-Xylene	<0.00201	U **	0.00201		mg/Kg		02/29/24 12:21	03/01/24 06:02	1
Xylenes, Total	<0.00402	U **	0.00402		mg/Kg		02/29/24 12:21	03/01/24 06:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				02/29/24 12:21	03/01/24 06:02	1
1,4-Difluorobenzene (Surr)	78		70 - 130				02/29/24 12:21	03/01/24 06:02	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			03/01/24 06:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			03/01/24 15:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		02/29/24 15:18	03/01/24 15:32	1
Diesel Range Organics (Over C10-C28)	<50.1	U ** *1	50.1		mg/Kg		02/29/24 15:18	03/01/24 15:32	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		02/29/24 15:18	03/01/24 15:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				02/29/24 15:18	03/01/24 15:32	1
o-Terphenyl	79		70 - 130				02/29/24 15:18	03/01/24 15:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	81.2		4.96		mg/Kg			02/29/24 04:28	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Coonskin Fee 28D CTB Flare Fire (02.18.24)

Job ID: 880-40071-1
SDG: Lea County, New Mexico

Client Sample ID: S-3 (1.0')

Lab Sample ID: 880-40071-9

Date Collected: 02/26/24 00:00

Matrix: Solid

Date Received: 02/28/24 14:05

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		02/29/24 12:21	03/01/24 06:22	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/29/24 12:21	03/01/24 06:22	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/29/24 12:21	03/01/24 06:22	1
m-Xylene & p-Xylene	<0.00403	U **	0.00403		mg/Kg		02/29/24 12:21	03/01/24 06:22	1
o-Xylene	<0.00202	U **	0.00202		mg/Kg		02/29/24 12:21	03/01/24 06:22	1
Xylenes, Total	<0.00403	U **	0.00403		mg/Kg		02/29/24 12:21	03/01/24 06:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	02/29/24 12:21	03/01/24 06:22	1
1,4-Difluorobenzene (Surr)	74		70 - 130	02/29/24 12:21	03/01/24 06:22	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			03/01/24 06:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			03/01/24 15:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		02/29/24 15:18	03/01/24 15:53	1
Diesel Range Organics (Over C10-C28)	<50.2	U *+ *1	50.2		mg/Kg		02/29/24 15:18	03/01/24 15:53	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		02/29/24 15:18	03/01/24 15:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	02/29/24 15:18	03/01/24 15:53	1
o-Terphenyl	84		70 - 130	02/29/24 15:18	03/01/24 15:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	97.3		4.97		mg/Kg			02/29/24 04:46	1

Surrogate Summary

Client: Carmona Resources

Job ID: 880-40071-1

Project/Site: Coonskin Fee 28D CTB Flare Fire (02.18.24)

SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
880-39974-A-1-B MS	Matrix Spike	124	110				
880-39974-A-1-C MSD	Matrix Spike Duplicate	123	110				
880-40071-1	S-1 (0-0.25')	86	80				
880-40071-2	S-1 (0.5')	90	75				
880-40071-3	S-1 (1.0')	80	76				
880-40071-4	S-2 (0-0.25')	87	71				
880-40071-5	S-2 (0.5')	90	62 S1-				
880-40071-6	S-2 (1.0')	89	62 S1-				
880-40071-7	S-3 (0-0.25')	93	77				
880-40071-8	S-3 (0.5')	91	78				
880-40071-9	S-3 (1.0')	97	74				
LCS 880-74361/1-A	Lab Control Sample	140 S1+	97				
LCSD 880-74361/2-A	Lab Control Sample Dup	117	80				
MB 880-74188/5-A	Method Blank	71	96				
MB 880-74361/5-A	Method Blank	71	96				
Surrogate Legend							
BFB = 4-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
880-40068-A-1-H MS	Matrix Spike	97	76				
880-40068-A-1-I MSD	Matrix Spike Duplicate	100	81				
880-40071-1	S-1 (0-0.25')	113	94				
880-40071-2	S-1 (0.5')	92	77				
880-40071-3	S-1 (1.0')	88	74				
880-40071-4	S-2 (0-0.25')	98	86				
880-40071-5	S-2 (0.5')	90	75				
880-40071-6	S-2 (1.0')	92	78				
880-40071-7	S-3 (0-0.25')	107	89				
880-40071-8	S-3 (0.5')	92	79				
880-40071-9	S-3 (1.0')	97	84				
LCS 880-74398/2-A	Lab Control Sample	155 S1+	159 S1+				
LCSD 880-74398/3-A	Lab Control Sample Dup	105	102				
MB 880-74398/1-A	Method Blank	160 S1+	148 S1+				
Surrogate Legend							
1CO = 1-Chlorooctane							
OTPH = o-Terphenyl							

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QC Sample Results

Client: Carmona Resources
Project/Site: Coonskin Fee 28D CTB Flare Fire (02.18.24)

Job ID: 880-40071-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-74188/5-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 74315							Prep Batch: 74188		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/27/24 14:07	02/29/24 11:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/27/24 14:07	02/29/24 11:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/27/24 14:07	02/29/24 11:56	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/27/24 14:07	02/29/24 11:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/27/24 14:07	02/29/24 11:56	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/27/24 14:07	02/29/24 11:56	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	71		70 - 130				02/27/24 14:07	02/29/24 11:56	1
1,4-Difluorobenzene (Surr)	96		70 - 130				02/27/24 14:07	02/29/24 11:56	1

Lab Sample ID: MB 880-74361/5-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 74315							Prep Batch: 74361		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/29/24 12:21	02/29/24 22:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/29/24 12:21	02/29/24 22:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/29/24 12:21	02/29/24 22:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/29/24 12:21	02/29/24 22:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/29/24 12:21	02/29/24 22:31	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/29/24 12:21	02/29/24 22:31	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	71		70 - 130				02/29/24 12:21	02/29/24 22:31	1
1,4-Difluorobenzene (Surr)	96		70 - 130				02/29/24 12:21	02/29/24 22:31	1

Lab Sample ID: LCS 880-74361/1-A							Client Sample ID: Lab Control Sample		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 74315							Prep Batch: 74361		
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	0.100	0.09633		mg/Kg		96	70 - 130		
Toluene	0.100	0.1057		mg/Kg		106	70 - 130		
Ethylbenzene	0.100	0.1145		mg/Kg		114	70 - 130		
m-Xylene & p-Xylene	0.200	0.2879	*+	mg/Kg		144	70 - 130		
o-Xylene	0.100	0.1437	*+	mg/Kg		144	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130						
1,4-Difluorobenzene (Surr)	97		70 - 130						

Lab Sample ID: LCSD 880-74361/2-A							Client Sample ID: Lab Control Sample Dup				
Matrix: Solid							Prep Type: Total/NA				
Analysis Batch: 74315							Prep Batch: 74361				
			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limits
Benzene			0.100	0.08564		mg/Kg		86	70 - 130	12	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Coonskin Fee 28D CTB Flare Fire (02.18.24)

Job ID: 880-40071-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-74361/2-A

Matrix: Solid

Analysis Batch: 74315

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 74361

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits			
Toluene	0.100	0.07488		mg/Kg		75	70 - 130		34	35
Ethylbenzene	0.100	0.1288		mg/Kg		129	70 - 130		12	35
m-Xylene & p-Xylene	0.200	0.2525		mg/Kg		126	70 - 130		13	35
o-Xylene	0.100	0.1255		mg/Kg		125	70 - 130		14	35

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	80		70 - 130

Lab Sample ID: 880-39974-A-1-B MS

Matrix: Solid

Analysis Batch: 74315

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 74361

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec	
									Limits	
Benzene	<0.00199	U	0.0996	0.08569		mg/Kg		85	70 - 130	
Toluene	<0.00199	U	0.0996	0.09444		mg/Kg		94	70 - 130	
Ethylbenzene	<0.00199	U	0.0996	0.1297		mg/Kg		130	70 - 130	
m-Xylene & p-Xylene	<0.00398	U *	0.199	0.2487		mg/Kg		124	70 - 130	
o-Xylene	<0.00199	U *	0.0996	0.1253		mg/Kg		126	70 - 130	

Surrogate	MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	124		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: 880-39974-A-1-C MSD

Matrix: Solid

Analysis Batch: 74315

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 74361

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits			
Benzene	<0.00199	U	0.101	0.08236		mg/Kg		81	70 - 130		4	35
Toluene	<0.00199	U	0.101	0.1060		mg/Kg		104	70 - 130		12	35
Ethylbenzene	<0.00199	U	0.101	0.1284		mg/Kg		127	70 - 130		1	35
m-Xylene & p-Xylene	<0.00398	U *	0.202	0.2507		mg/Kg		124	70 - 130		1	35
o-Xylene	<0.00199	U *	0.101	0.1263		mg/Kg		125	70 - 130		1	35

Surrogate	MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	123		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

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

Lab Sample ID: MB 880-74398/1-A

Matrix: Solid

Analysis Batch: 74445

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 74398

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/29/24 15:18	03/01/24 06:27	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Coonskin Fee 28D CTB Flare Fire (02.18.24)

Job ID: 880-40071-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-74398/1-A

Matrix: Solid

Analysis Batch: 74445

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 74398

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		02/29/24 15:18	03/01/24 06:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/29/24 15:18	03/01/24 06:27	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	160	S1+	70 - 130				02/29/24 15:18	03/01/24 06:27	1
o-Terphenyl	148	S1+	70 - 130				02/29/24 15:18	03/01/24 06:27	1

Lab Sample ID: LCS 880-74398/2-A

Matrix: Solid

Analysis Batch: 74445

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 74398

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	876.9		mg/Kg		88	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1332	*+	mg/Kg		133	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	155	S1+	70 - 130				
o-Terphenyl	159	S1+	70 - 130				

Lab Sample ID: LCSD 880-74398/3-A

Matrix: Solid

Analysis Batch: 74445

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 74398

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	812.2		mg/Kg		81	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	1000	889.3	*1	mg/Kg		89	70 - 130	40	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	105		70 - 130						
o-Terphenyl	102		70 - 130						

Lab Sample ID: 880-40068-A-1-H MS

Matrix: Solid

Analysis Batch: 74445

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 74398

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	1010	1268		mg/Kg		123	70 - 130
Diesel Range Organics (Over C10-C28)	<49.7	U *+ *1	1010	914.9		mg/Kg		88	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	97		70 - 130						
o-Terphenyl	76		70 - 130						

QC Sample Results

Client: Carmona Resources
Project/Site: Coonskin Fee 28D CTB Flare Fire (02.18.24)

Job ID: 880-40071-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-40068-A-1-I MSD

Matrix: Solid

Analysis Batch: 74445

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 74398

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	1010	1272		mg/Kg		123	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<49.7	U *+ *1	1010	970.4		mg/Kg		94	70 - 130	6	20
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	100		70 - 130								
o-Terphenyl	81		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-74266/1-A

Matrix: Solid

Analysis Batch: 74301

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloride	<5.00	U	5.00		mg/Kg			02/28/24 21:01	1

Lab Sample ID: LCS 880-74266/2-A

Matrix: Solid

Analysis Batch: 74301

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec
							Limits
Chloride	250	245.2		mg/Ka		98	90 - 110

Lab Sample ID: LCSD 880-74266/3-A

Matrix: Solid

Analysis Batch: 74301

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

			Spike	LCSO	LCSO				%Rec	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limits
Chloride			250	248.8		mg/Kg		100	90 - 110	1	20

Lab Sample ID: 880-40063-A-1-B MS

Matrix: Solid

Analysis Batch: 74301

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec		
	Result	Qualifier	Added	Result	Qualifier				Limits		
Chloride	76.2		250	337.1		mg/Kg		105	90 - 110		

Lab Sample ID: 880-40063-A-1-C MSD

Matrix: Solid

Analysis Batch: 74301

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 Limits
Chloride	76.2		250	338.8		mg/Kg		105	90 - 110	0	20

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QC Sample Results

Client: Carmona Resources

Job ID: 880-40071-1

Project/Site: Coonskin Fee 28D CTB Flare Fire (02.18.24)

SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-74274/1-A

Matrix: Solid

Analysis Batch: 74302

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/29/24 07:09	1

Lab Sample ID: LCS 880-74274/2-A

Matrix: Solid

Analysis Batch: 74302

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	253.3		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-74274/3-A

Matrix: Solid

Analysis Batch: 74302

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	253.9		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 880-40068-A-1-C MSD

Matrix: Solid

Analysis Batch: 74302

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	85.0		252	328.3		mg/Kg		97	90 - 110	2	20

Lab Sample ID: 880-40070-A-3-B MS

Matrix: Solid

Analysis Batch: 74302

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	303		250	576.4		mg/Kg		109	90 - 110

Lab Sample ID: 880-40070-A-3-C MSD

Matrix: Solid

Analysis Batch: 74302

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	303		250	556.0		mg/Kg		101	90 - 110	4	20

Eurofins Midland

QC Association Summary

Client: Carmona Resources

Job ID: 880-40071-1

Project/Site: Coonskin Fee 28D CTB Flare Fire (02.18.24)

SDG: Lea County, New Mexico

GC VOA

Prep Batch: 74188

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-74188/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 74315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40071-1	S-1 (0-0.25')	Total/NA	Solid	8021B	74361
880-40071-2	S-1 (0.5')	Total/NA	Solid	8021B	74361
880-40071-3	S-1 (1.0')	Total/NA	Solid	8021B	74361
880-40071-4	S-2 (0-0.25')	Total/NA	Solid	8021B	74361
880-40071-5	S-2 (0.5')	Total/NA	Solid	8021B	74361
880-40071-6	S-2 (1.0')	Total/NA	Solid	8021B	74361
880-40071-7	S-3 (0-0.25')	Total/NA	Solid	8021B	74361
880-40071-8	S-3 (0.5')	Total/NA	Solid	8021B	74361
880-40071-9	S-3 (1.0')	Total/NA	Solid	8021B	74361
MB 880-74188/5-A	Method Blank	Total/NA	Solid	8021B	74188
MB 880-74361/5-A	Method Blank	Total/NA	Solid	8021B	74361
LCS 880-74361/1-A	Lab Control Sample	Total/NA	Solid	8021B	74361
LCSD 880-74361/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	74361
880-39974-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	74361
880-39974-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	74361

Prep Batch: 74361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40071-1	S-1 (0-0.25')	Total/NA	Solid	5035	
880-40071-2	S-1 (0.5')	Total/NA	Solid	5035	
880-40071-3	S-1 (1.0')	Total/NA	Solid	5035	
880-40071-4	S-2 (0-0.25')	Total/NA	Solid	5035	
880-40071-5	S-2 (0.5')	Total/NA	Solid	5035	
880-40071-6	S-2 (1.0')	Total/NA	Solid	5035	
880-40071-7	S-3 (0-0.25')	Total/NA	Solid	5035	
880-40071-8	S-3 (0.5')	Total/NA	Solid	5035	
880-40071-9	S-3 (1.0')	Total/NA	Solid	5035	
MB 880-74361/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-74361/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-74361/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-39974-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-39974-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 74478

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40071-1	S-1 (0-0.25')	Total/NA	Solid	Total BTEX	
880-40071-2	S-1 (0.5')	Total/NA	Solid	Total BTEX	
880-40071-3	S-1 (1.0')	Total/NA	Solid	Total BTEX	
880-40071-4	S-2 (0-0.25')	Total/NA	Solid	Total BTEX	
880-40071-5	S-2 (0.5')	Total/NA	Solid	Total BTEX	
880-40071-6	S-2 (1.0')	Total/NA	Solid	Total BTEX	
880-40071-7	S-3 (0-0.25')	Total/NA	Solid	Total BTEX	
880-40071-8	S-3 (0.5')	Total/NA	Solid	Total BTEX	
880-40071-9	S-3 (1.0')	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Coonskin Fee 28D CTB Flare Fire (02.18.24)

Job ID: 880-40071-1
SDG: Lea County, New Mexico

GC Semi VOA

Prep Batch: 74398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40071-1	S-1 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-40071-2	S-1 (0.5')	Total/NA	Solid	8015NM Prep	
880-40071-3	S-1 (1.0')	Total/NA	Solid	8015NM Prep	
880-40071-4	S-2 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-40071-5	S-2 (0.5')	Total/NA	Solid	8015NM Prep	
880-40071-6	S-2 (1.0')	Total/NA	Solid	8015NM Prep	
880-40071-7	S-3 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-40071-8	S-3 (0.5')	Total/NA	Solid	8015NM Prep	
880-40071-9	S-3 (1.0')	Total/NA	Solid	8015NM Prep	
MB 880-74398/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-74398/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-74398/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-40068-A-1-H MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-40068-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 74445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40071-1	S-1 (0-0.25')	Total/NA	Solid	8015B NM	74398
880-40071-2	S-1 (0.5')	Total/NA	Solid	8015B NM	74398
880-40071-3	S-1 (1.0')	Total/NA	Solid	8015B NM	74398
880-40071-4	S-2 (0-0.25')	Total/NA	Solid	8015B NM	74398
880-40071-5	S-2 (0.5')	Total/NA	Solid	8015B NM	74398
880-40071-6	S-2 (1.0')	Total/NA	Solid	8015B NM	74398
880-40071-7	S-3 (0-0.25')	Total/NA	Solid	8015B NM	74398
880-40071-8	S-3 (0.5')	Total/NA	Solid	8015B NM	74398
880-40071-9	S-3 (1.0')	Total/NA	Solid	8015B NM	74398
MB 880-74398/1-A	Method Blank	Total/NA	Solid	8015B NM	74398
LCS 880-74398/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	74398
LCSD 880-74398/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	74398
880-40068-A-1-H MS	Matrix Spike	Total/NA	Solid	8015B NM	74398
880-40068-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	74398

Analysis Batch: 74671

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40071-1	S-1 (0-0.25')	Total/NA	Solid	8015 NM	
880-40071-2	S-1 (0.5')	Total/NA	Solid	8015 NM	
880-40071-3	S-1 (1.0')	Total/NA	Solid	8015 NM	
880-40071-4	S-2 (0-0.25')	Total/NA	Solid	8015 NM	
880-40071-5	S-2 (0.5')	Total/NA	Solid	8015 NM	
880-40071-6	S-2 (1.0')	Total/NA	Solid	8015 NM	
880-40071-7	S-3 (0-0.25')	Total/NA	Solid	8015 NM	
880-40071-8	S-3 (0.5')	Total/NA	Solid	8015 NM	
880-40071-9	S-3 (1.0')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 74266

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40071-7	S-3 (0-0.25')	Soluble	Solid	DI Leach	
880-40071-8	S-3 (0.5')	Soluble	Solid	DI Leach	
880-40071-9	S-3 (1.0')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Coonskin Fee 28D CTB Flare Fire (02.18.24)

Job ID: 880-40071-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Leach Batch: 74266 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-74266/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-74266/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-74266/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-40063-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-40063-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 74274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40071-1	S-1 (0-0.25')	Soluble	Solid	DI Leach	
880-40071-2	S-1 (0.5')	Soluble	Solid	DI Leach	
880-40071-3	S-1 (1.0')	Soluble	Solid	DI Leach	
880-40071-4	S-2 (0-0.25')	Soluble	Solid	DI Leach	
880-40071-5	S-2 (0.5')	Soluble	Solid	DI Leach	
880-40071-6	S-2 (1.0')	Soluble	Solid	DI Leach	
MB 880-74274/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-74274/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-74274/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-40068-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
880-40070-A-3-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-40070-A-3-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 74301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40071-7	S-3 (0-0.25')	Soluble	Solid	300.0	74266
880-40071-8	S-3 (0.5')	Soluble	Solid	300.0	74266
880-40071-9	S-3 (1.0')	Soluble	Solid	300.0	74266
MB 880-74266/1-A	Method Blank	Soluble	Solid	300.0	74266
LCS 880-74266/2-A	Lab Control Sample	Soluble	Solid	300.0	74266
LCSD 880-74266/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	74266
880-40063-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	74266
880-40063-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	74266

Analysis Batch: 74302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40071-1	S-1 (0-0.25')	Soluble	Solid	300.0	74274
880-40071-2	S-1 (0.5')	Soluble	Solid	300.0	74274
880-40071-3	S-1 (1.0')	Soluble	Solid	300.0	74274
880-40071-4	S-2 (0-0.25')	Soluble	Solid	300.0	74274
880-40071-5	S-2 (0.5')	Soluble	Solid	300.0	74274
880-40071-6	S-2 (1.0')	Soluble	Solid	300.0	74274
MB 880-74274/1-A	Method Blank	Soluble	Solid	300.0	74274
LCS 880-74274/2-A	Lab Control Sample	Soluble	Solid	300.0	74274
LCSD 880-74274/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	74274
880-40068-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	74274
880-40070-A-3-B MS	Matrix Spike	Soluble	Solid	300.0	74274
880-40070-A-3-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	74274

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Lab Chronicle

Client: Carmona Resources
Project/Site: Coonskin Fee 28D CTB Flare Fire (02.18.24)

Job ID: 880-40071-1
SDG: Lea County, New Mexico

Client Sample ID: S-1 (0-0.25')
Date Collected: 02/26/24 00:00
Date Received: 02/28/24 14:05

Lab Sample ID: 880-40071-1
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			5.05 g	5 mL	74361	02/29/24 12:21	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74315	03/01/24 03:39	SM	EET MID
Total/NA	Analysis	Total BTEX		1			74478	03/01/24 03:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			74671	03/01/24 12:37	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	74398	02/29/24 15:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74445	03/01/24 12:37	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	74274	02/28/24 14:59	CH	EET MID
Soluble	Analysis	300.0		1			74302	02/29/24 10:48	CH	EET MID

Client Sample ID: S-1 (0.5')
Date Collected: 02/26/24 00:00
Date Received: 02/28/24 14:05

Lab Sample ID: 880-40071-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	74361	02/29/24 12:21	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74315	03/01/24 03:59	SM	EET MID
Total/NA	Analysis	Total BTEX		1			74478	03/01/24 03:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			74671	03/01/24 12:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	74398	02/29/24 15:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74445	03/01/24 12:59	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	74274	02/28/24 14:59	CH	EET MID
Soluble	Analysis	300.0		1			74302	02/29/24 10:56	CH	EET MID

Client Sample ID: S-1 (1.0')
Date Collected: 02/26/24 00:00
Date Received: 02/28/24 14:05

Lab Sample ID: 880-40071-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	74361	02/29/24 12:21	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74315	03/01/24 04:20	SM	EET MID
Total/NA	Analysis	Total BTEX		1			74478	03/01/24 04:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			74671	03/01/24 13:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	74398	02/29/24 15:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74445	03/01/24 13:42	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	74274	02/28/24 14:59	CH	EET MID
Soluble	Analysis	300.0		1			74302	02/29/24 11:04	CH	EET MID

Client Sample ID: S-2 (0-0.25')
Date Collected: 02/26/24 00:00
Date Received: 02/28/24 14:05

Lab Sample ID: 880-40071-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	74361	02/29/24 12:21	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74315	03/01/24 04:40	SM	EET MID
Total/NA	Analysis	Total BTEX		1			74478	03/01/24 04:40	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Coonskin Fee 28D CTB Flare Fire (02.18.24)

Job ID: 880-40071-1
SDG: Lea County, New Mexico

Client Sample ID: S-2 (0-0.25')
Date Collected: 02/26/24 00:00
Date Received: 02/28/24 14:05

Lab Sample ID: 880-40071-4
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			74671	03/01/24 14:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	74398	02/29/24 15:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74445	03/01/24 14:04	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	74274	02/28/24 14:59	CH	EET MID
Soluble	Analysis	300.0		1			74302	02/29/24 11:12	CH	EET MID

Client Sample ID: S-2 (0.5')
Date Collected: 02/26/24 00:00
Date Received: 02/28/24 14:05

Lab Sample ID: 880-40071-5
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			5.01 g	5 mL	74361	02/29/24 12:21	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74315	03/01/24 05:01	SM	EET MID
Total/NA	Analysis	Total BTEX		1			74478	03/01/24 05:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			74671	03/01/24 14:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	74398	02/29/24 15:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74445	03/01/24 14:26	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	74274	02/28/24 14:59	CH	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	74302	02/29/24 11:45	CH	EET MID

Client Sample ID: S-2 (1.0')
Date Collected: 02/26/24 00:00
Date Received: 02/28/24 14:05

Lab Sample ID: 880-40071-6
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	74361	02/29/24 12:21	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74315	03/01/24 05:21	SM	EET MID
Total/NA	Analysis	Total BTEX		1			74478	03/01/24 05:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			74671	03/01/24 14:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	74398	02/29/24 15:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74445	03/01/24 14:48	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	74274	02/28/24 14:59	CH	EET MID
Soluble	Analysis	300.0		1			74302	02/29/24 11:53	CH	EET MID

Client Sample ID: S-3 (0-0.25')
Date Collected: 02/26/24 00:00
Date Received: 02/28/24 14:05

Lab Sample ID: 880-40071-7
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	74361	02/29/24 12:21	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74315	03/01/24 05:41	SM	EET MID
Total/NA	Analysis	Total BTEX		1			74478	03/01/24 05:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			74671	03/01/24 15:10	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	74398	02/29/24 15:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74445	03/01/24 15:10	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Coonskin Fee 28D CTB Flare Fire (02.18.24)

Job ID: 880-40071-1
SDG: Lea County, New Mexico

Client Sample ID: S-3 (0-0.25')
Date Collected: 02/26/24 00:00
Date Received: 02/28/24 14:05

Lab Sample ID: 880-40071-7
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			5.03 g	50 mL	74266	02/28/24 16:20	SMC	EET MID
Soluble	Analysis	300.0		1			74301	02/29/24 04:10	CH	EET MID

Client Sample ID: S-3 (0.5')
Date Collected: 02/26/24 00:00
Date Received: 02/28/24 14:05

Lab Sample ID: 880-40071-8
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			4.98 g	5 mL	74361	02/29/24 12:21	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74315	03/01/24 06:02	SM	EET MID
Total/NA	Analysis	Total BTEX		1			74478	03/01/24 06:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			74671	03/01/24 15:32	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	74398	02/29/24 15:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74445	03/01/24 15:32	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	74266	02/28/24 16:20	SMC	EET MID
Soluble	Analysis	300.0		1			74301	02/29/24 04:28	CH	EET MID

Client Sample ID: S-3 (1.0')
Date Collected: 02/26/24 00:00
Date Received: 02/28/24 14:05

Lab Sample ID: 880-40071-9
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			4.96 g	5 mL	74361	02/29/24 12:21	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74315	03/01/24 06:22	SM	EET MID
Total/NA	Analysis	Total BTEX		1			74478	03/01/24 06:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			74671	03/01/24 15:53	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	74398	02/29/24 15:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74445	03/01/24 15:53	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	74266	02/28/24 16:20	SMC	EET MID
Soluble	Analysis	300.0		1			74301	02/29/24 04:46	CH	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Coonskin Fee 28D CTB Flare Fire (02.18.24)

Job ID: 880-40071-1
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources

Job ID: 880-40071-1

Project/Site: Coonskin Fee 28D CTB Flare Fire (02.18.24)

SDG: Lea County, New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Coonskin Fee 28D CTB Flare Fire (02.18.24)

Job ID: 880-40071-1
SDG: Lea County, New Mexico



Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-40071-1	S-1 (0-0.25')	Solid	02/26/24 00:00	02/28/24 14:05
880-40071-2	S-1 (0.5')	Solid	02/26/24 00:00	02/28/24 14:05
880-40071-3	S-1 (1.0')	Solid	02/26/24 00:00	02/28/24 14:05
880-40071-4	S-2 (0-0.25')	Solid	02/26/24 00:00	02/28/24 14:05
880-40071-5	S-2 (0.5')	Solid	02/26/24 00:00	02/28/24 14:05
880-40071-6	S-2 (1.0')	Solid	02/26/24 00:00	02/28/24 14:05
880-40071-7	S-3 (0-0.25')	Solid	02/26/24 00:00	02/28/24 14:05
880-40071-8	S-3 (0.5')	Solid	02/26/24 00:00	02/28/24 14:05
880-40071-9	S-3 (1.0')	Solid	02/26/24 00:00	02/28/24 14:05



Page 1 of 1

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

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	2-28-21 1405		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-40071-1
SDG Number: Lea County, New Mexico

Login Number: 40071
List Number: 1
Creator: Rodriguez, Leticia

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: Mike Carmona
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701
Generated 3/4/2024 2:59:29 PM

JOB DESCRIPTION

Coonskin Fee 28D CTB Flare Fire (02.18.24)
Lea County, New Mexico

JOB NUMBER

880-40068-1

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
3/4/2024 2:59:29 PM

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

Client: Carmona Resources
Project/Site: Coonskin Fee 28D CTB Flare Fire (02.18.24)

Laboratory Job ID: 880-40068-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Coonskin Fee 28D CTB Flare Fire (02.18.24)

Job ID: 880-40068-1
SDG: Lea 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
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Coonskin Fee 28D CTB Flare Fire (02.18.24)

Job ID: 880-40068-1

Job ID: 880-40068-1

Eurofins Midland

Job Narrative 880-40068-1

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

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

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

Receipt

The samples were received on 2/28/2024 2:05 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 -1.7°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0-0.5') (880-40068-1), H-2 (0-0.5') (880-40068-2), H-3 (0-0.5') (880-40068-3) and H-4 (0-0.5') (880-40068-4).

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-74384 and analytical batch 880-74314 was outside the upper control limits.

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-74398 and analytical batch 880-74445 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-74398/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The method blank for preparation batch 880-74398 and analytical batch 880-74445 contained Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-74398 and analytical batch 880-74445 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-74445 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-74445/20).

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: Coonskin Fee 28D CTB Flare Fire (02.18.24)

Job ID: 880-40068-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-40068-1

Date Collected: 02/26/24 00:00

Matrix: Solid

Date Received: 02/28/24 14:05

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		02/29/24 13:08	03/01/24 00:25	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/29/24 13:08	03/01/24 00:25	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/29/24 13:08	03/01/24 00:25	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/29/24 13:08	03/01/24 00:25	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/29/24 13:08	03/01/24 00:25	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/29/24 13:08	03/01/24 00:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	02/29/24 13:08	03/01/24 00:25	1
1,4-Difluorobenzene (Surr)	109		70 - 130	02/29/24 13:08	03/01/24 00:25	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			03/01/24 00:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			03/01/24 08:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		02/29/24 15:18	03/01/24 08:58	1
Diesel Range Organics (Over C10-C28)	<49.7	U *+ *1	49.7		mg/Kg		02/29/24 15:18	03/01/24 08:58	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/29/24 15:18	03/01/24 08:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130	02/29/24 15:18	03/01/24 08:58	1
o-Terphenyl	98		70 - 130	02/29/24 15:18	03/01/24 08:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	85.0		5.04		mg/Kg			02/29/24 08:03	1

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

Lab Sample ID: 880-40068-2

Date Collected: 02/26/24 00:00

Matrix: Solid

Date Received: 02/28/24 14:05

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		02/29/24 13:08	03/01/24 00:46	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/29/24 13:08	03/01/24 00:46	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/29/24 13:08	03/01/24 00:46	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/29/24 13:08	03/01/24 00:46	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/29/24 13:08	03/01/24 00:46	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/29/24 13:08	03/01/24 00:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	02/29/24 13:08	03/01/24 00:46	1
1,4-Difluorobenzene (Surr)	104		70 - 130	02/29/24 13:08	03/01/24 00:46	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Coonskin Fee 28D CTB Flare Fire (02.18.24)

Job ID: 880-40068-1
SDG: Lea County, New Mexico

Client Sample ID: H-2 (0-0.5')
Date Collected: 02/26/24 00:00
Date Received: 02/28/24 14:05

Lab Sample ID: 880-40068-2
Matrix: Solid

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			03/01/24 00:46	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<50.5	U	50.5		mg/Kg			03/01/24 10:04	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	<50.5	U	50.5		mg/Kg		02/29/24 15:18	03/01/24 10:04	1	
Diesel Range Organics (Over C10-C28)	<50.5	U *+ *1	50.5		mg/Kg		02/29/24 15:18	03/01/24 10:04	1	
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		02/29/24 15:18	03/01/24 10:04	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	112		70 - 130				02/29/24 15:18	03/01/24 10:04	1	
o-Terphenyl	93		70 - 130				02/29/24 15:18	03/01/24 10:04	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	130		4.99		mg/Kg			02/29/24 08:25	1	

Client Sample ID: H-3 (0-0.5')
Date Collected: 02/26/24 00:00
Date Received: 02/28/24 14:05

Lab Sample ID: 880-40068-3
Matrix: Solid

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		02/29/24 13:08	03/01/24 01:06	1	
Toluene	<0.00201	U	0.00201		mg/Kg		02/29/24 13:08	03/01/24 01:06	1	
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/29/24 13:08	03/01/24 01:06	1	
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/29/24 13:08	03/01/24 01:06	1	
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/29/24 13:08	03/01/24 01:06	1	
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/29/24 13:08	03/01/24 01:06	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	101		70 - 130				02/29/24 13:08	03/01/24 01:06	1	
1,4-Difluorobenzene (Surr)	109		70 - 130				02/29/24 13:08	03/01/24 01:06	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			03/01/24 01:06	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			03/01/24 10:26	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/29/24 15:18	03/01/24 10:26	1	
Diesel Range Organics (Over C10-C28)	<50.0	U *+ *1	50.0		mg/Kg		02/29/24 15:18	03/01/24 10:26	1	

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Coonskin Fee 28D CTB Flare Fire (02.18.24)

Job ID: 880-40068-1
SDG: Lea County, New Mexico

Client Sample ID: H-3 (0-0.5')
Date Collected: 02/26/24 00:00
Date Received: 02/28/24 14:05

Lab Sample ID: 880-40068-3
Matrix: Solid

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		02/29/24 15:18	03/01/24 10:26	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	96		70 - 130				02/29/24 15:18	03/01/24 10:26	1	
o-Terphenyl	81		70 - 130				02/29/24 15:18	03/01/24 10:26	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	90.0		4.95		mg/Kg			02/29/24 12:28	1	

Client Sample ID: H-4 (0-0.5')
Date Collected: 02/26/24 00:00
Date Received: 02/28/24 14:05

Lab Sample ID: 880-40068-4
Matrix: Solid

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		02/29/24 13:08	03/01/24 01:27	1	
Toluene	<0.00201	U	0.00201		mg/Kg		02/29/24 13:08	03/01/24 01:27	1	
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/29/24 13:08	03/01/24 01:27	1	
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/29/24 13:08	03/01/24 01:27	1	
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/29/24 13:08	03/01/24 01:27	1	
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/29/24 13:08	03/01/24 01:27	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	110		70 - 130				02/29/24 13:08	03/01/24 01:27	1	
1,4-Difluorobenzene (Surr)	110		70 - 130				02/29/24 13:08	03/01/24 01:27	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			03/01/24 01:27	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.8	U	49.8		mg/Kg			03/01/24 10:48	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/29/24 15:18	03/01/24 10:48	1	
Diesel Range Organics (Over C10-C28)	<49.8	U ** *1	49.8		mg/Kg		02/29/24 15:18	03/01/24 10:48	1	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/29/24 15:18	03/01/24 10:48	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	102		70 - 130				02/29/24 15:18	03/01/24 10:48	1	
o-Terphenyl	87		70 - 130				02/29/24 15:18	03/01/24 10:48	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	95.1		5.02		mg/Kg			02/29/24 12:37	1	

Surrogate Summary

Client: Carmona Resources
Project/Site: Coonskin Fee 28D CTB Flare Fire (02.18.24)

Job ID: 880-40068-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)
Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-40068-1	H-1 (0-0.5')	85	109
880-40068-1 MS	H-1 (0-0.5')	95	96
880-40068-1 MSD	H-1 (0-0.5')	102	102
880-40068-2	H-2 (0-0.5')	91	104
880-40068-3	H-3 (0-0.5')	101	109
880-40068-4	H-4 (0-0.5')	110	110
LCS 880-74384/1-A	Lab Control Sample	100	101
LCSD 880-74384/2-A	Lab Control Sample Dup	103	98
MB 880-74189/5-A	Method Blank	114	125
MB 880-74384/5-A	Method Blank	133 S1+	137 S1+
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-40068-1	H-1 (0-0.5')	114	98
880-40068-1 MS	H-1 (0-0.5')	97	76
880-40068-1 MSD	H-1 (0-0.5')	100	81
880-40068-2	H-2 (0-0.5')	112	93
880-40068-3	H-3 (0-0.5')	96	81
880-40068-4	H-4 (0-0.5')	102	87
LCS 880-74398/2-A	Lab Control Sample	155 S1+	159 S1+
LCSD 880-74398/3-A	Lab Control Sample Dup	105	102
MB 880-74398/1-A	Method Blank	160 S1+	148 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Coonskin Fee 28D CTB Flare Fire (02.18.24)

Job ID: 880-40068-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-74189/5-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 74314							Prep Batch: 74189		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/27/24 14:20	02/29/24 12:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/27/24 14:20	02/29/24 12:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/27/24 14:20	02/29/24 12:19	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/27/24 14:20	02/29/24 12:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/27/24 14:20	02/29/24 12:19	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/27/24 14:20	02/29/24 12:19	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				02/27/24 14:20	02/29/24 12:19	1
1,4-Difluorobenzene (Surr)	125		70 - 130				02/27/24 14:20	02/29/24 12:19	1

Lab Sample ID: MB 880-74384/5-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 74314							Prep Batch: 74384		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/29/24 13:08	02/29/24 23:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/29/24 13:08	02/29/24 23:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/29/24 13:08	02/29/24 23:56	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/29/24 13:08	02/29/24 23:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/29/24 13:08	02/29/24 23:56	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/29/24 13:08	02/29/24 23:56	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130				02/29/24 13:08	02/29/24 23:56	1
1,4-Difluorobenzene (Surr)	137	S1+	70 - 130				02/29/24 13:08	02/29/24 23:56	1

Lab Sample ID: LCS 880-74384/1-A							Client Sample ID: Lab Control Sample		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 74314							Prep Batch: 74384		
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	0.100	0.09449		mg/Kg		94	70 - 130		
Toluene	0.100	0.09116		mg/Kg		91	70 - 130		
Ethylbenzene	0.100	0.08691		mg/Kg		87	70 - 130		
m-Xylene & p-Xylene	0.200	0.1846		mg/Kg		92	70 - 130		
o-Xylene	0.100	0.09168		mg/Kg		92	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	100		70 - 130						
1,4-Difluorobenzene (Surr)	101		70 - 130						

Lab Sample ID: LCSD 880-74384/2-A							Client Sample ID: Lab Control Sample Dup		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 74314							Prep Batch: 74384		
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.09672		mg/Kg		97	70 - 130	2	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Coonskin Fee 28D CTB Flare Fire (02.18.24)

Job ID: 880-40068-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-74384/2-A
Matrix: Solid
Analysis Batch: 74314

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 74384

Analyte	Spike		LCSD		Unit	D	%Rec	%Rec		RPD
	Added		Result	Qualifier				Limits	RPD	
Toluene	0.100		0.08990		mg/Kg		90	70 - 130	1	35
Ethylbenzene	0.100		0.09149		mg/Kg		91	70 - 130	5	35
m-Xylene & p-Xylene	0.200		0.1997		mg/Kg		100	70 - 130	8	35
o-Xylene	0.100		0.09856		mg/Kg		99	70 - 130	7	35
LCSD		LCSD								
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)	103		70 - 130							
1,4-Difluorobenzene (Surr)	98		70 - 130							

Lab Sample ID: 880-40068-1 MS
Matrix: Solid
Analysis Batch: 74314

Client Sample ID: H-1 (0-0.5')
Prep Type: Total/NA
Prep Batch: 74384

Analyte	Sample		Spike	MS		Unit	D	%Rec	%Rec	
	Result	Qualifier		Result	Qualifier				Limits	
Benzene	<0.00198	U	0.101	0.08814		mg/Kg		87	70 - 130	
Toluene	<0.00198	U	0.101	0.07729		mg/Kg		77	70 - 130	
Ethylbenzene	<0.00198	U	0.101	0.08157		mg/Kg		81	70 - 130	
m-Xylene & p-Xylene	<0.00396	U	0.202	0.1710		mg/Kg		85	70 - 130	
o-Xylene	<0.00198	U	0.101	0.08804		mg/Kg		87	70 - 130	
MS		MS								
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)	95		70 - 130							
1,4-Difluorobenzene (Surr)	96		70 - 130							

Lab Sample ID: 880-40068-1 MSD
Matrix: Solid
Analysis Batch: 74314

Client Sample ID: H-1 (0-0.5')
Prep Type: Total/NA
Prep Batch: 74384

Analyte	Sample		Spike	MSD		Unit	D	%Rec	%Rec		RPD
	Result	Qualifier		Result	Qualifier				Limits	RPD	
Benzene	<0.00198	U	0.100	0.09896		mg/Kg		99	70 - 130	12	35
Toluene	<0.00198	U	0.100	0.08092		mg/Kg		81	70 - 130	5	35
Ethylbenzene	<0.00198	U	0.100	0.08920		mg/Kg		89	70 - 130	9	35
m-Xylene & p-Xylene	<0.00396	U	0.201	0.1837		mg/Kg		92	70 - 130	7	35
o-Xylene	<0.00198	U	0.100	0.09414		mg/Kg		94	70 - 130	7	35
MSD		MSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	102		70 - 130								
1,4-Difluorobenzene (Surr)	102		70 - 130								

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

Lab Sample ID: MB 880-74398/1-A
Matrix: Solid
Analysis Batch: 74445

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 74398

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
	Result	Qualifier								
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/29/24 15:18	03/01/24 06:27		1

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QC Sample Results

Client: Carmona Resources
Project/Site: Coonskin Fee 28D CTB Flare Fire (02.18.24)

Job ID: 880-40068-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-74398/1-A
Matrix: Solid
Analysis Batch: 74445

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 74398

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		02/29/24 15:18	03/01/24 06:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/29/24 15:18	03/01/24 06:27	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	160	S1+	70 - 130				02/29/24 15:18	03/01/24 06:27	1
o-Terphenyl	148	S1+	70 - 130				02/29/24 15:18	03/01/24 06:27	1

Lab Sample ID: LCS 880-74398/2-A
Matrix: Solid
Analysis Batch: 74445

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 74398

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	876.9		mg/Kg		88	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1332	*+	mg/Kg		133	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	155	S1+	70 - 130				
o-Terphenyl	159	S1+	70 - 130				

Lab Sample ID: LCSD 880-74398/3-A
Matrix: Solid
Analysis Batch: 74445

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 74398

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	812.2		mg/Kg		81	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	1000	889.3	*1	mg/Kg		89	70 - 130	40	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	105		70 - 130						
o-Terphenyl	102		70 - 130						

Lab Sample ID: 880-40068-1 MS
Matrix: Solid
Analysis Batch: 74445

Client Sample ID: H-1 (0-0.5')
Prep Type: Total/NA
Prep Batch: 74398

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	1010	1268		mg/Kg		123	70 - 130
Diesel Range Organics (Over C10-C28)	<49.7	U *+ *1	1010	914.9		mg/Kg		88	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	97		70 - 130						
o-Terphenyl	76		70 - 130						

QC Sample Results

Client: Carmona Resources
Project/Site: Coonskin Fee 28D CTB Flare Fire (02.18.24)

Job ID: 880-40068-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-40068-1 MSD

Matrix: Solid

Analysis Batch: 74445

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

Prep Type: Total/NA

Prep Batch: 74398

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	1010	1272		mg/Kg		123	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<49.7	U *+ *1	1010	970.4		mg/Kg		94	70 - 130	6	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	100		70 - 130								
o-Terphenyl	81		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-74274/1-A

Matrix: Solid

Analysis Batch: 74302

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloride	<5.00	U	5.00		mg/Kg			02/29/24 07:09	1

Lab Sample ID: LCS 880-74274/2-A

Matrix: Solid

Analysis Batch: 74302

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	253.3		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-74274/3-A

Matrix: Solid

Analysis Batch: 74302

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	RPD	RPD
							Limits		Limits
Chloride	250	253.9		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 880-40068-1 MS

Matrix: Solid

Analysis Batch: 74302

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

Prep Type: Soluble

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier					
Chloride	85.0		252	335.8		mg/Kg		100		90 - 110

Lab Sample ID: 880-40068-1 MSD

Matrix: Solid

Analysis Batch: 74302

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limits
Chloride	85.0		252	328.3		mg/Kg		97	90 - 110	2	20

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QC Association Summary

Client: Carmona Resources

Job ID: 880-40068-1

Project/Site: Coonskin Fee 28D CTB Flare Fire (02.18.24)

SDG: Lea County, New Mexico

GC VOA

Prep Batch: 74189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-74189/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 74314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40068-1	H-1 (0-0.5')	Total/NA	Solid	8021B	74384
880-40068-2	H-2 (0-0.5')	Total/NA	Solid	8021B	74384
880-40068-3	H-3 (0-0.5')	Total/NA	Solid	8021B	74384
880-40068-4	H-4 (0-0.5')	Total/NA	Solid	8021B	74384
MB 880-74189/5-A	Method Blank	Total/NA	Solid	8021B	74189
MB 880-74384/5-A	Method Blank	Total/NA	Solid	8021B	74384
LCS 880-74384/1-A	Lab Control Sample	Total/NA	Solid	8021B	74384
LCSD 880-74384/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	74384
880-40068-1 MS	H-1 (0-0.5')	Total/NA	Solid	8021B	74384
880-40068-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8021B	74384

Prep Batch: 74384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40068-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-40068-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-40068-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-40068-4	H-4 (0-0.5')	Total/NA	Solid	5035	
MB 880-74384/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-74384/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-74384/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-40068-1 MS	H-1 (0-0.5')	Total/NA	Solid	5035	
880-40068-1 MSD	H-1 (0-0.5')	Total/NA	Solid	5035	

Analysis Batch: 74480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40068-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-40068-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-40068-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-40068-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 74398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40068-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-40068-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-40068-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-40068-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-74398/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-74398/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-74398/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-40068-1 MS	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-40068-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 74445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40068-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	74398

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QC Association Summary

Client: Carmona Resources
Project/Site: Coonskin Fee 28D CTB Flare Fire (02.18.24)

Job ID: 880-40068-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 74445 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40068-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	74398
880-40068-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	74398
880-40068-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	74398
MB 880-74398/1-A	Method Blank	Total/NA	Solid	8015B NM	74398
LCS 880-74398/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	74398
LCSD 880-74398/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	74398
880-40068-1 MS	H-1 (0-0.5')	Total/NA	Solid	8015B NM	74398
880-40068-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8015B NM	74398

Analysis Batch: 74669

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40068-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-40068-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-40068-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-40068-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 74274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40068-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-40068-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-40068-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-40068-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-74274/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-74274/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-74274/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-40068-1 MS	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-40068-1 MSD	H-1 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 74302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40068-1	H-1 (0-0.5')	Soluble	Solid	300.0	74274
880-40068-2	H-2 (0-0.5')	Soluble	Solid	300.0	74274
880-40068-3	H-3 (0-0.5')	Soluble	Solid	300.0	74274
880-40068-4	H-4 (0-0.5')	Soluble	Solid	300.0	74274
MB 880-74274/1-A	Method Blank	Soluble	Solid	300.0	74274
LCS 880-74274/2-A	Lab Control Sample	Soluble	Solid	300.0	74274
LCSD 880-74274/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	74274
880-40068-1 MS	H-1 (0-0.5')	Soluble	Solid	300.0	74274
880-40068-1 MSD	H-1 (0-0.5')	Soluble	Solid	300.0	74274

Lab Chronicle

Client: Carmona Resources
Project/Site: Coonskin Fee 28D CTB Flare Fire (02.18.24)

Job ID: 880-40068-1
SDG: Lea County, New Mexico

Client Sample ID: H-1 (0-0.5')
Date Collected: 02/26/24 00:00
Date Received: 02/28/24 14:05

Lab Sample ID: 880-40068-1
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			5.05 g	5 mL	74384	02/29/24 13:08	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74314	03/01/24 00:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74480	03/01/24 00:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			74669	03/01/24 08:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	74398	02/29/24 15:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74445	03/01/24 08:58	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	74274	02/28/24 14:59	CH	EET MID
Soluble	Analysis	300.0		1			74302	02/29/24 08:03	CH	EET MID

Client Sample ID: H-2 (0-0.5')
Date Collected: 02/26/24 00:00
Date Received: 02/28/24 14:05

Lab Sample ID: 880-40068-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	74384	02/29/24 13:08	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74314	03/01/24 00:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74480	03/01/24 00:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			74669	03/01/24 10:04	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	74398	02/29/24 15:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74445	03/01/24 10:04	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	74274	02/28/24 14:59	CH	EET MID
Soluble	Analysis	300.0		1			74302	02/29/24 08:25	CH	EET MID

Client Sample ID: H-3 (0-0.5')
Date Collected: 02/26/24 00:00
Date Received: 02/28/24 14:05

Lab Sample ID: 880-40068-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	74384	02/29/24 13:08	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74314	03/01/24 01:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74480	03/01/24 01:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			74669	03/01/24 10:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	74398	02/29/24 15:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74445	03/01/24 10:26	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	74274	02/28/24 14:59	CH	EET MID
Soluble	Analysis	300.0		1			74302	02/29/24 12:28	CH	EET MID

Client Sample ID: H-4 (0-0.5')
Date Collected: 02/26/24 00:00
Date Received: 02/28/24 14:05

Lab Sample ID: 880-40068-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	74384	02/29/24 13:08	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74314	03/01/24 01:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74480	03/01/24 01:27	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Coonskin Fee 28D CTB Flare Fire (02.18.24)

Job ID: 880-40068-1
SDG: Lea County, New Mexico

Client Sample ID: H-4 (0-0.5')
Date Collected: 02/26/24 00:00
Date Received: 02/28/24 14:05

Lab Sample ID: 880-40068-4
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			74669	03/01/24 10:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	74398	02/29/24 15:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74445	03/01/24 10:48	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	74274	02/28/24 14:59	CH	EET MID
Soluble	Analysis	300.0		1			74302	02/29/24 12:37	CH	EET MID

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

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Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Coonskin Fee 28D CTB Flare Fire (02.18.24)

Job ID: 880-40068-1
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources

Job ID: 880-40068-1

Project/Site: Coonskin Fee 28D CTB Flare Fire (02.18.24)

SDG: Lea County, New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Coonskin Fee 28D CTB Flare Fire (02.18.24)

Job ID: 880-40068-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-40068-1	H-1 (0-0.5')	Solid	02/26/24 00:00	02/28/24 14:05
880-40068-2	H-2 (0-0.5')	Solid	02/26/24 00:00	02/28/24 14:05
880-40068-3	H-3 (0-0.5')	Solid	02/26/24 00:00	02/28/24 14:05
880-40068-4	H-4 (0-0.5')	Solid	02/26/24 00:00	02/28/24 14:05

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Chain of Custody



880-40068 Chain of Custody

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

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

Project Name		Coonskin Fee 28D CTB Flare Fire (02 18 24)		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes										
Project Number		2282		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush			Parameters																	None NO DI Water: H ₂ O									
Project Location		Lea County, New Mexico		Due Date																				72 HR		Cool Cool MeOH Me							
Sampler's Name		GPJ/IR																								HCL HC HNO ₃ HN							
PO #:								BTEX 802/B TPH 8015M (GRO + DRO + MRO) Chloride 300.0																H ₂ SO ₄ H ₂ NaOH Na									
SAMPLE RECEIPT		Temp Blank: Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>		Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>		Wet Ice: Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>																		H ₃ PO ₄ HP									
Received Intact:		Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Thermometer ID																				NaHSO ₄ NABIS									
Cooler Custody Seals:		Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Correction Factor				Na ₂ S ₂ O ₃ NaSO ₃																									
Sample Custody Seals:		Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Temperature Reading				Zn Acetate+NaOH Zn																									
Total Containers				Corrected Temperature:				NaOH+Ascorbic Acid SAPC																									
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont																		Sample Comments			
H-1 (0-0 5')		2/26/2024				X				G		1																		X X X			
H-2 (0-0 5')		2/26/2024				X				G		1																		X X X			
H-3 (0-0 5')		2/26/2024				X				G		1																		X X X			
H-4 (0-0 5')		2/26/2024				X				G		1																		X X X			

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	2-28-24 1405		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-40068-1
SDG Number: Lea County, New Mexico

Login Number: 40068
List Number: 1
Creator: Rodriguez, Leticia

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	



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

March 13, 2024

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: COONSKIN FEE 28D CTB FLARE FIRE (02.18.24)

Enclosed are the results of analyses for samples received by the laboratory on 03/12/24 17:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	03/12/2024	Sampling Date:	03/12/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	COONSKIN FEE 28D CTB FLARE FIRE (02	Sampling Condition:	Cool & Intact
Project Number:	2282	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: CS - 1 (0.5') (H241271-01)

BTEx 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2024	ND	2.20	110	2.00	5.17	
Toluene*	<0.050	0.050	03/13/2024	ND	2.17	108	2.00	4.59	
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.09	105	2.00	4.19	
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.32	105	6.00	3.87	
Total BTEX	<0.300	0.300	03/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/13/2024	ND	432	108	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/13/2024	ND	215	108	200	1.65	
DRO >C10-C28*	15.6	10.0	03/13/2024	ND	211	105	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					

Surrogate: 1-Chlorooctane 96.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	03/12/2024	Sampling Date:	03/12/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	COONSKIN FEE 28D CTB FLARE FIRE (02	Sampling Condition:	Cool & Intact
Project Number:	2282	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: CS - 2 (0.5') (H241271-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	2.20	110	2.00	5.17		
Toluene*	<0.050	0.050	03/13/2024	ND	2.17	108	2.00	4.59		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.09	105	2.00	4.19		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.32	105	6.00	3.87		
Total BTEX	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	03/13/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/13/2024	ND	215	108	200	1.65	
DRO >C10-C28*	55.0	10.0	03/13/2024	ND	211	105	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					

Surrogate: 1-Chlorooctane 73.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.8 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	03/12/2024	Sampling Date:	03/12/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	COONSKIN FEE 28D CTB FLARE FIRE (02	Sampling Condition:	Cool & Intact
Project Number:	2282	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: CS - 3 (0.5') (H241271-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	1.97	98.7	2.00	4.05		
Toluene*	<0.050	0.050	03/13/2024	ND	2.12	106	2.00	9.28		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.13	107	2.00	4.50		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.17	103	6.00	2.58		
Total BTEX	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/13/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/13/2024	ND	215	108	200	1.65		
DRO >C10-C28*	72.9	10.0	03/13/2024	ND	211	105	200	1.43		
EXT DRO >C28-C36	15.3	10.0	03/13/2024	ND						

Surrogate: 1-Chlorooctane 95.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	03/12/2024	Sampling Date:	03/12/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	COONSKIN FEE 28D CTB FLARE FIRE (02	Sampling Condition:	Cool & Intact
Project Number:	2282	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: CS - 4 (0.5') (H241271-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	1.97	98.7	2.00	4.05		
Toluene*	<0.050	0.050	03/13/2024	ND	2.12	106	2.00	9.28		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.13	107	2.00	4.50		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.17	103	6.00	2.58		
Total BTEx	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/13/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/13/2024	ND	215	108	200	1.65	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	211	105	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					

Surrogate: 1-Chlorooctane 94.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	03/12/2024	Sampling Date:	03/12/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	COONSKIN FEE 28D CTB FLARE FIRE (02	Sampling Condition:	Cool & Intact
Project Number:	2282	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: CS - 5 (0.5') (H241271-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	1.97	98.7	2.00	4.05		
Toluene*	<0.050	0.050	03/13/2024	ND	2.12	106	2.00	9.28		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.13	107	2.00	4.50		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.17	103	6.00	2.58		
Total BTEx	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/13/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/13/2024	ND	215	108	200	1.65	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	211	105	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					

Surrogate: 1-Chlorooctane 97.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	03/12/2024	Sampling Date:	03/12/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	COONSKIN FEE 28D CTB FLARE FIRE (02	Sampling Condition:	Cool & Intact
Project Number:	2282	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: CS - 6 (0.5') (H241271-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	1.97	98.7	2.00	4.05		
Toluene*	<0.050	0.050	03/13/2024	ND	2.12	106	2.00	9.28		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.13	107	2.00	4.50		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.17	103	6.00	2.58		
Total BTEX	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/13/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/13/2024	ND	215	108	200	1.65	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	211	105	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					

Surrogate: 1-Chlorooctane 86.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.5 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	03/12/2024	Sampling Date:	03/12/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	COONSKIN FEE 28D CTB FLARE FIRE (02	Sampling Condition:	Cool & Intact
Project Number:	2282	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: CS - 7 (0.5') (H241271-07)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	1.97	98.7	2.00	4.05		
Toluene*	<0.050	0.050	03/13/2024	ND	2.12	106	2.00	9.28		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.13	107	2.00	4.50		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.17	103	6.00	2.58		
Total BTX	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/13/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/13/2024	ND	215	108	200	1.65	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	211	105	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	03/12/2024	Sampling Date:	03/12/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	COONSKIN FEE 28D CTB FLARE FIRE (02	Sampling Condition:	Cool & Intact
Project Number:	2282	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: CS - 8 (0.5') (H241271-08)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	1.97	98.7	2.00	4.05		
Toluene*	<0.050	0.050	03/13/2024	ND	2.12	106	2.00	9.28		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.13	107	2.00	4.50		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.17	103	6.00	2.58		
Total BTX	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/13/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/13/2024	ND	215	108	200	1.65	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	211	105	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
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 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	03/12/2024	Sampling Date:	03/12/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	COONSKIN FEE 28D CTB FLARE FIRE (02	Sampling Condition:	Cool & Intact
Project Number:	2282	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: SW - 1 (0.5') (H241271-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	1.97	98.7	2.00	4.05		
Toluene*	<0.050	0.050	03/13/2024	ND	2.12	106	2.00	9.28		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.13	107	2.00	4.50		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.17	103	6.00	2.58		
Total BTEx	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/13/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/13/2024	ND	215	108	200	1.65	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	211	105	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					

Surrogate: 1-Chlorooctane 82.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.7 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	03/12/2024	Sampling Date:	03/12/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	COONSKIN FEE 28D CTB FLARE FIRE (02	Sampling Condition:	Cool & Intact
Project Number:	2282	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: SW - 2 (0.5') (H241271-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	1.97	98.7	2.00	4.05		
Toluene*	<0.050	0.050	03/13/2024	ND	2.12	106	2.00	9.28		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.13	107	2.00	4.50		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.17	103	6.00	2.58		
Total BTEX	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/13/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/13/2024	ND	215	108	200	1.65	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	211	105	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	03/12/2024	Sampling Date:	03/12/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	COONSKIN FEE 28D CTB FLARE FIRE (02	Sampling Condition:	Cool & Intact
Project Number:	2282	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: SW - 3 (0.5') (H241271-11)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	1.97	98.7	2.00	4.05		
Toluene*	<0.050	0.050	03/13/2024	ND	2.12	106	2.00	9.28		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.13	107	2.00	4.50		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.17	103	6.00	2.58		
Total BTX	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/13/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/13/2024	ND	215	108	200	1.65	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	211	105	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	03/12/2024	Sampling Date:	03/12/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	COONSKIN FEE 28D CTB FLARE FIRE (02	Sampling Condition:	Cool & Intact
Project Number:	2282	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: SW - 4 (0.5') (H241271-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	2.20	110	2.00	2.49		
Toluene*	<0.050	0.050	03/13/2024	ND	2.47	123	2.00	12.8		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.50	125	2.00	14.5		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	7.43	124	6.00	13.7		
Total BTEx	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/13/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/13/2024	ND	194	97.1	200	1.07	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	208	104	200	0.706	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					

Surrogate: 1-Chlorooctane 89.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	03/12/2024	Sampling Date:	03/12/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	COONSKIN FEE 28D CTB FLARE FIRE (02	Sampling Condition:	Cool & Intact
Project Number:	2282	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: SW - 5 (0.5') (H241271-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	2.20	110	2.00	2.49		
Toluene*	<0.050	0.050	03/13/2024	ND	2.47	123	2.00	12.8		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.50	125	2.00	14.5		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	7.43	124	6.00	13.7		
Total BTEX	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/13/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/13/2024	ND	194	97.1	200	1.07	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	208	104	200	0.706	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					

Surrogate: 1-Chlorooctane 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	03/12/2024	Sampling Date:	03/12/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	COONSKIN FEE 28D CTB FLARE FIRE (02	Sampling Condition:	Cool & Intact
Project Number:	2282	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: SW - 6 (0.5') (H241271-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	2.20	110	2.00	2.49		
Toluene*	<0.050	0.050	03/13/2024	ND	2.47	123	2.00	12.8		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.50	125	2.00	14.5		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	7.43	124	6.00	13.7		
Total BTEX	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/13/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/13/2024	ND	194	97.1	200	1.07	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	208	104	200	0.706	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					

Surrogate: 1-Chlorooctane 93.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	03/12/2024	Sampling Date:	03/12/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	COONSKIN FEE 28D CTB FLARE FIRE (02	Sampling Condition:	Cool & Intact
Project Number:	2282	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: SW - 7 (0.5') (H241271-15)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2024	ND	2.20	110	2.00	2.49	
Toluene*	<0.050	0.050	03/13/2024	ND	2.47	123	2.00	12.8	
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.50	125	2.00	14.5	
Total Xylenes*	<0.150	0.150	03/13/2024	ND	7.43	124	6.00	13.7	
Total BTEX	<0.300	0.300	03/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/13/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/13/2024	ND	194	97.1	200	1.07	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	208	104	200	0.706	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					

Surrogate: 1-Chlorooctane 80.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	03/12/2024	Sampling Date:	03/12/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	COONSKIN FEE 28D CTB FLARE FIRE (02	Sampling Condition:	Cool & Intact
Project Number:	2282	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: SW - 8 (0.5') (H241271-16)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	2.20	110	2.00	2.49		
Toluene*	<0.050	0.050	03/13/2024	ND	2.47	123	2.00	12.8		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.50	125	2.00	14.5		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	7.43	124	6.00	13.7		
Total BTEX	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/13/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/13/2024	ND	194	97.1	200	1.07	
DRO >C10-C28*	11.6	10.0	03/13/2024	ND	208	104	200	0.706	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					

Surrogate: 1-Chlorooctane 86.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	03/12/2024	Sampling Date:	03/12/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	COONSKIN FEE 28D CTB FLARE FIRE (02	Sampling Condition:	Cool & Intact
Project Number:	2282	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: SW - 9 (0.5') (H241271-17)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2024	ND	2.20	110	2.00	2.49	
Toluene*	<0.050	0.050	03/13/2024	ND	2.47	123	2.00	12.8	
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.50	125	2.00	14.5	
Total Xylenes*	<0.150	0.150	03/13/2024	ND	7.43	124	6.00	13.7	
Total BTEX	<0.300	0.300	03/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/13/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/13/2024	ND	194	97.1	200	1.07	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	208	104	200	0.706	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					

Surrogate: 1-Chlorooctane 92.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	03/12/2024	Sampling Date:	03/12/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	COONSKIN FEE 28D CTB FLARE FIRE (02	Sampling Condition:	Cool & Intact
Project Number:	2282	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: SW - 10 (0.5') (H241271-18)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	2.20	110	2.00	2.49		
Toluene*	<0.050	0.050	03/13/2024	ND	2.47	123	2.00	12.8		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.50	125	2.00	14.5		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	7.43	124	6.00	13.7		
Total BTEX	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/13/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/13/2024	ND	194	97.1	200	1.07	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	208	104	200	0.706	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					

Surrogate: 1-Chlorooctane 87.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Work Order No: H241271


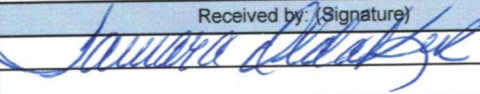
Page 1 of 2

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: Coonskin Fee 28D CTB Flare Fire (02.18.24)										Turn Around		ANALYSIS REQUEST										Preservative Codes	
Project Number: 2282										<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush												None: NO DI Water: H ₂ O	
Project Location: Lea County, New Mexico										Due Date: 24 HR												Cool: Cool MeOH: Me	
Sampler's Name: IR																						HCL: HC HNO ₃ : HN	
PO #:																						H ₂ SO ₄ : H ₂ NaOH: Na	
SAMPLE RECEIPT		Temp Blank: Yes No		Wet Ice: Yes No		Parameters												H ₃ PO ₄ : HP					
Received Intact: Yes No		Thermometer ID: 140																NaHSO ₄ : NABIS					
Cooler Custody Seals: Yes No N/A		Correction Factor:																Na ₂ S ₂ O ₃ : NaSO ₃					
Sample Custody Seals: Yes No N/A		Temperature Reading: 5.12																Zn Acetate+NaOH: Zn					
Total Containers:		Corrected Temperature:																NaOH+Ascorbic Acid: SAPC					

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments	
CS-1 (0.5')	3/12/2024		X		C	1	X	X	X									
CS-2 (0.5')	3/12/2024		X		C	1	X	X	X									
CS-3 (0.5')	3/12/2024		X		C	1	X	X	X									
CS-4 (0.5')	3/12/2024		X		C	1	X	X	X									
CS-5 (0.5')	3/12/2024		X		C	1	X	X	X									
CS-6 (0.5')	3/12/2024		X		C	1	X	X	X									
CS-7 (0.5')	3/12/2024		X		C	1	X	X	X									
CS-8 (0.5')	3/12/2024		X		C	1	X	X	X									
SW-1 (0.5')	3/12/2024		X		C	1	X	X	X									
SW-2 (0.5')	3/12/2024		X		C	1	X	X	X									

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

Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time	
		3-12-24 1700					

Work Order No: H241271

Page 2 of 2

Released to Imaging: 5/7/2024 1:23:19 PM



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

March 13, 2024

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: COONSKIN FEE 28D CTB FLARE FIRE (02.18.24)

Enclosed are the results of analyses for samples received by the laboratory on 03/12/24 17:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received:	03/12/2024	Sampling Date:	03/12/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	COONSKIN FEE 28D CTB FLARE FIRE (02	Sampling Condition:	Cool & Intact
Project Number:	2282	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: BATTLE AXE PIT (H241273-01)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	2.20	110	2.00	2.49		
Toluene*	<0.050	0.050	03/13/2024	ND	2.47	123	2.00	12.8		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.50	125	2.00	14.5		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	7.43	124	6.00	13.7		
Total BTX	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	03/13/2024	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/13/2024	ND	194	97.1	200	1.07	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	208	104	200	0.706	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					

Surrogate: 1-Chlorooctane 74.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H241273

Page 1 of 1

[illegible]

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QUESTIONS

Action 328755

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:
	229137
	Action Number:
	328755
Action Type:	
[C-141] Reclamation Report C-141 (C-141-v-Reclamation)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2404951211
Incident Name	NAPP2404951211 COONSKIN FEE 28D CTB @ 0
Incident Type	Oil Release
Incident Status	Reclamation Report Received
Incident Facility	[fAPP2135130341] Coonskin Fee 28D Battery

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Coonskin Fee 28D CTB
Date Release Discovered	02/18/2024
Surface Owner	Private

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

Nature and Volume of Release	
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: Other Other (Specify) 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)	Not answered.

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QUESTIONS, Page 2

Action 328755

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:	229137
	Action Number:	328755
	Action Type:	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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	emergency services were not notified, the fire burned itself out. the release was confined to the well pad directly under the flare.
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 04/02/2024

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QUESTIONS, Page 3

Action 328755

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:
	229137
	Action Number:
	328755
Action Type:	
[C-141] Reclamation Report C-141 (C-141-v-Reclamation)	

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	U.S. Geological Survey
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 ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

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
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.	
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)	232
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	98
GRO+DRO	(EPA SW-846 Method 8015M)	98
BTEX	(EPA SW-846 Method 8021B or 8260B)	0.3
Benzene	(EPA SW-846 Method 8021B or 8260B)	0.5

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	03/12/2024
On what date will (or did) the final sampling or liner inspection occur	03/12/2024
On what date will (or was) the remediation complete(d)	03/14/2024
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	1408
What is the estimated volume (in cubic yards) that will be remediated	40

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

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

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QUESTIONS, Page 4

Action 328755

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:	229137
	Action Number:	328755
	Action Type:	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS**Remediation Plan (continued)**

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

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	Coonskin Fee 28D Battery [fAPP2135130341]
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	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(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)	No

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

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

I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 04/02/2024
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The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 328755

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 328755
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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 328755

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:
	229137
	Action Number:
	328755
Action Type:	
[C-141] Reclamation Report C-141 (C-141-v-Reclamation)	

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	321346
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/12/2024
What was the (estimated) number of samples that were to be gathered	18
What was the sampling surface area in square feet	3500

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	1408
What was the total volume (cubic yards) remediated	40
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	N/A

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 04/02/2024
--	---

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QUESTIONS, Page 7

Action 328755

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:	229137
	Action Number:	328755
	Action Type:	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Reclamation Report	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	1408
What was the total volume of replacement material (in cubic yards) for this site	40
<i>Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.</i>	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeding commence(d)	04/02/2024
Summarize any additional reclamation activities not included by answers (above)	Spill on pad no reseeding needed The caliche used for backfill was sampled and was below thresholds, and the material is clean. The data are in Table 2.
<i>The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeding plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 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: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 04/02/2024

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QUESTIONS, Page 8

Action 328755

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:
	229137
	Action Number:
	328755
Action Type:	
[C-141] Reclamation Report C-141 (C-141-v-Reclamation)	

QUESTIONS

Revegetation Report	
Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.	
Requesting a restoration complete approval with this submission	No
Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.	

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CONDITIONS

Action 328755

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 328755
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	5/7/2024