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	OGRID				
Contact Nam	e			Contact T	t Telephone				
Contact emai	1			Incident #	(assigned by OCD)				
Contact mail									
			Location	of Release S	ource				
Latitude			(NAD 83 in dec	Longitude _cimal degrees to 5 decir	mal places)				
Site Name				Site Type					
Date Release	Discovered			API# (if app	plicable)				
Unit Letter	Section	Township	Range	Cour	nty				
Crude Oil		(s) Released (Select all	I that apply and attach	Volume of	Release justification for the volumes provided below) Volume Recovered (bbls)				
Produced		Volume Released			Volume Recovered (bbls)				
Troduced	water		ion of dissolved cl	hloride in the	Yoldine Recovered (bbls)				
Condensa	te	Volume Released			Volume Recovered (bbls)				
Natural G	as	Volume Released	d (Mcf)		Volume Recovered (Mcf)				
Other (des	scribe)	Volume/Weight	Released (provide	e units)	Volume/Weight Recovered (provide units)				
Cause of Rela	ease								

Received by OCD: 4/2/2024 8:43:12 AM State of New Mexico Oil Conservation Division Page 2

	Pag	e.	2 ој	12	١
: ID					

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the response	onsible party consider this a major release?
☐ Yes ☐ No		
If VEC i 1i-4-	tion since to the OCD2 December 2.7	de ang Whan and harmhad mana (mbana ang 1 448)
II YES, was immediate no	once given to the OCD? By whom? 10 w	hom? When and by what means (phone, email, etc)?
	Initial R	Response
The responsible p	party must undertake the following actions immediat	ely unless they could create a safety hazard that would result in injury
☐ The source of the rele	ase has been stopped.	
☐ The impacted area has	s been secured to protect human health an	d the environment.
Released materials ha	ve been contained via the use of berms or	dikes, absorbent pads, or other containment devices.
All free liquids and re	coverable materials have been removed a	nd managed appropriately.
If all the actions described	l above have <u>not</u> been undertaken, explain	why:
has begun, please attach a	a narrative of actions to date. If remedial	remediation immediately after discovery of a release. If remediation efforts have been successfully completed or if the release occurred please attach all information needed for closure evaluation.
regulations all operators are public health or the environm failed to adequately investigated to adequately investigated to a second control of the control	required to report and/or file certain release no nent. The acceptance of a C-141 report by the ate and remediate contamination that pose a thr	be best of my knowledge and understand that pursuant to OCD rules and iffications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have eat to groundwater, surface water, human health or the environment. In f responsibility for compliance with any other federal, state, or local laws
Printed Name		Title:
Signature:	tangsparge	Date:
		Telephone:
OCD Only		
·		Detai
keceived by:		Date:

Spill Calculation - Subsurface Spill - Rectangle										Remediation Recommendation	
Received by OC	D: 4/2/	2024 6	8:43:12	AM					Total Estimated	Page 3 of 123	
Convert Irregular shape	Longth	Width	Average	On/Off	Soil Spilled-Fluid	Estimated volume of each	Total Estimated		Contaminated	Current Rule of Thumb -	
into a series of rectangles		(ft.)	Depth	Pad	Saturation	area	Volume of Spill		Soil,	RMR Handover Volume,	
into a series of rectangles	(IL)	(11.)	(in.)	(dropdown)	(%.)	(bbl.)	(bbl.)		uncompacted,	(yd ³ .)	
6			(6) ISS 1	501 101 101	087 1.65 1	007 109	571 26 S		25% (yd ³ .)	1720 10	
Rectangle A	25.0	25.0	0.1	On-Pad~	10.50%	1.16	0.12		0.30		
Rectangle B				~		0.00			0.00		
Rectangle C				~		0.00			0.00		
Rectangle D				~		0.00			0.00		
Rectangle E				~		0.00			0.00	750	
Rectangle F				~		0.00			0.00	750	
Rectangle G				~		0.00			0.00		
Rectangle H				~		0.00			0.00		
Rectangle I	•			~		0.00			0.00		
Released to Ima	ging: :	5/7/202	<i>4 1:12:</i>	30 PM		0.00			0.00		

0.1217

0.30

Total Subsurface Volume Released:



SITE INFORMATION

Closure Report Fascinator C CTB (02.21.24) Lea County, New Mexico Incident ID: NAPP2405256649 Unit C Sec 30 T24S R35E 32.19343611°, -103.4076888°

Crude Oil Release

Point of Release: Equipment Failure

Release Date: 02.21.24

Volume Released: 0 Barrels 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



TABLE OF CONTENTS

1.0 SITE INFORMATION AND BACKGROUND

2.0 SITE CHARACTERIZATION AND GROUNDWATER

3.0 NMAC REGULATORY CRITERIA

4.0 SITE ASSESSMENT ACTIVITIES

5.0 REMEDIATION ACTIVITIES

6.0 CONCLUSIONS

FIGURE 3

FIGURES

FIGURE 1	OVERVIEW	FIGURE 2	TOPOGRAPHIC		

APPENDICES

FIGURE 4

APPENDIX A	TABLES
APPENDIX B	PHOTOS
APPENDIX C	N.O.R AND FINAL C-141/NMOCD CORRESPONDENCE
APPENDIX D	SITE CHARACTERIZATION AND GROUNDWATER
APPENDIX E	LABORATORY REPORTS

SAMPLE LOCATION

EXCAVATION



March 29, 2024

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

Re: Closure Report

Fascinator C CTB (02.21.24) Concho Operating, LLC Incident ID: NAPP2405256649

Site Location: Unit C, S30, T24S, R35E (Lat 32.19343611°, Long -103.4076888°)

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 Fascinator C CTB (02.21.24). The site is located at 32.19343611°, -103.4076888° within Unit C, S30, 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 21, 2024, due to equipment failure resulting in a fire. It resulted in approximately zero (0) barrels of crude oil being released and zero (0) barrels of crude oil being recovered. The impacted area occurred on the pad, shown in Figure 3. The 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, one known water source is within a 0.50-mile radius of the location. The closest well is approximately 0.50 miles Southwest of the site in S25, T24S, R34E and was drilled in 2023. The well has a reported depth to groundwater of 180 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: 2,500 mg/kg (GRO + DRO + MRO).
- TPH: 1,000 mg/kg)GRO + DRO).
- Chloride: 20,000 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 0.5' bgs inside the release area to assess the vertical and horizontal extent. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored

10 West Wall Street, Suite 500

Midland, Texas /9/01

432.813.1992



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 twelve (12) confirmation floor samples (CS-1 through CS-12) 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 86 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,

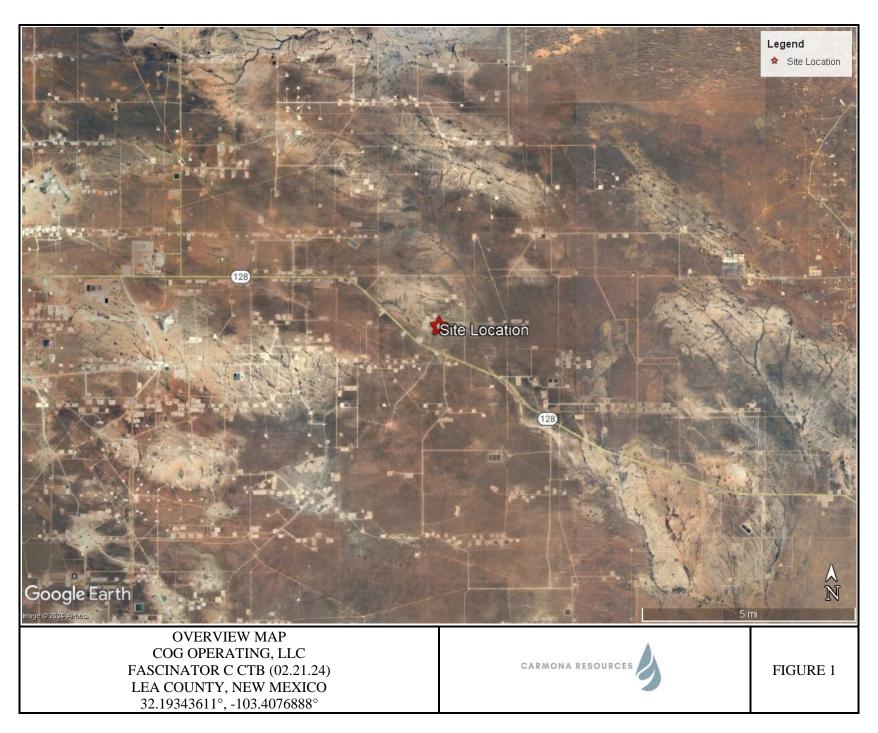
Carmona Resources, LLC

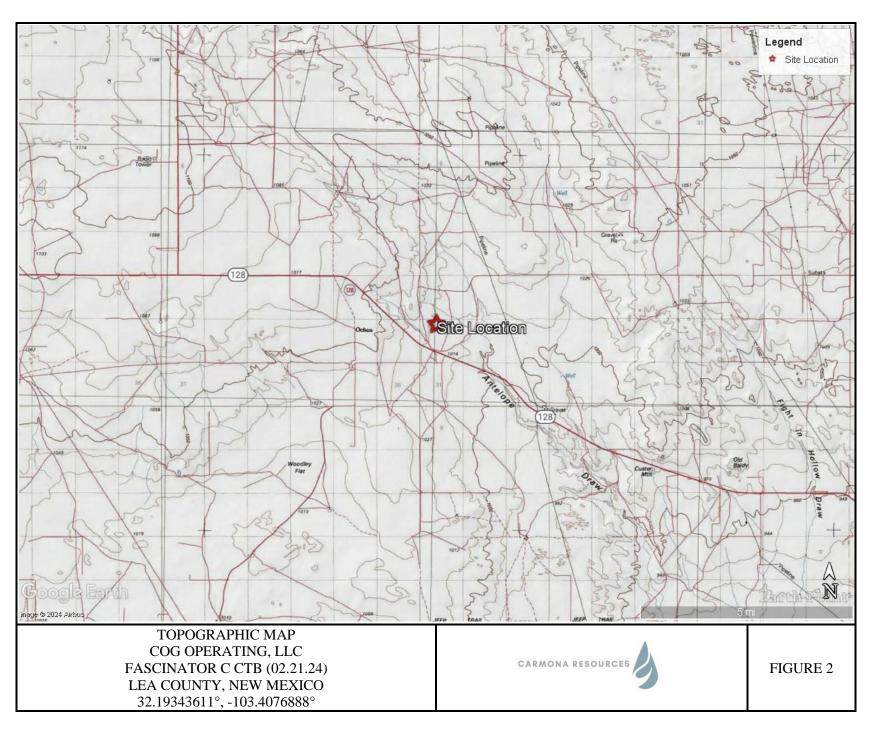
Mike Carmona

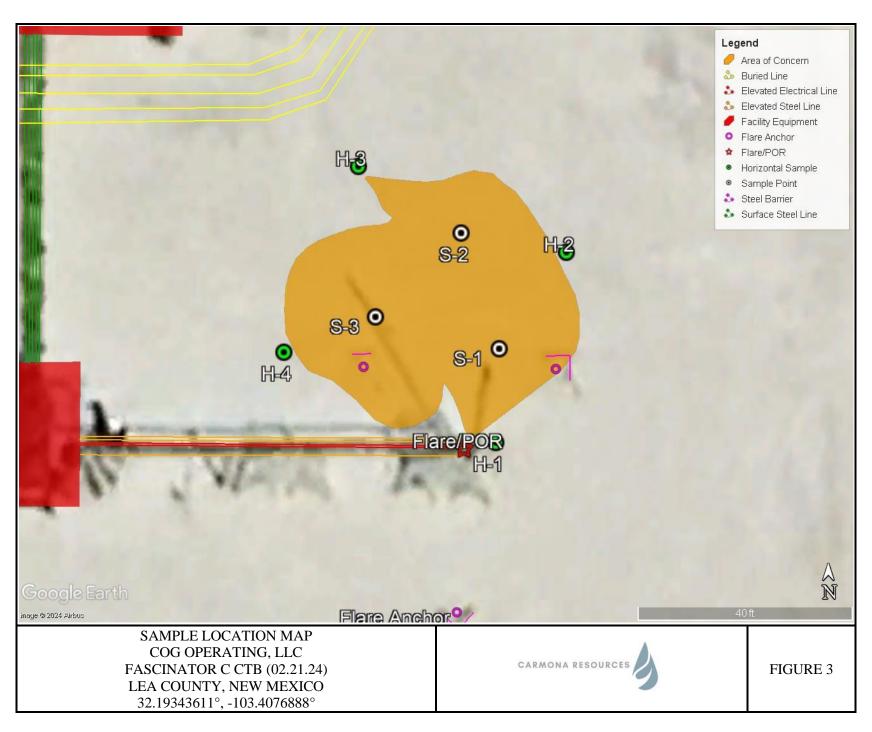
Environmental Manager

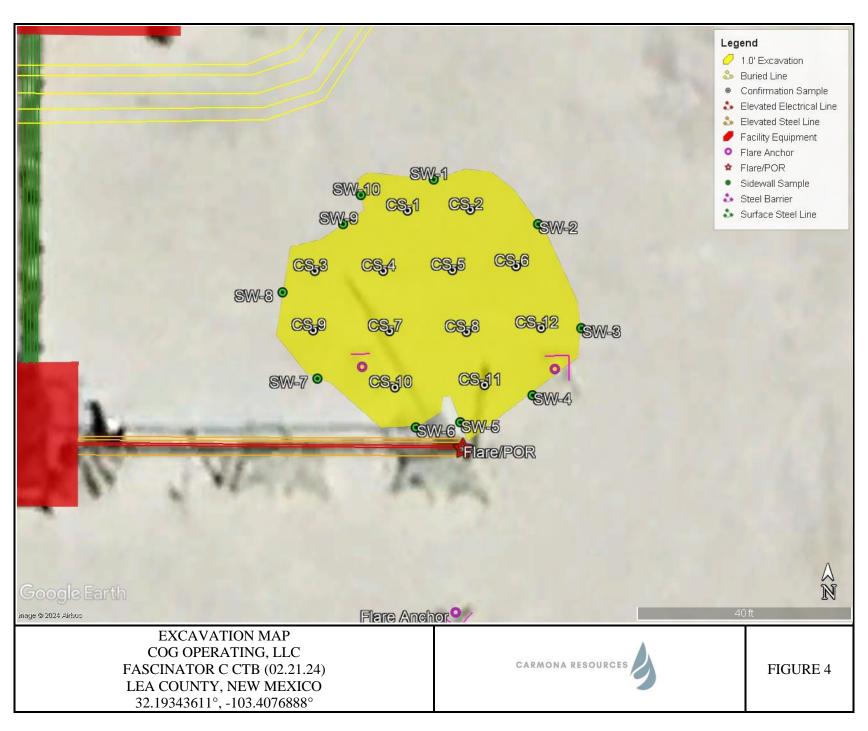
Conner Moehring Sr. Project Manager

FIGURES









APPENDIX A

Table 1 **Conoco Phillips** Fascinator C CTB (02.21.24) Lea County, New Mexico

0 1 10	2.1	D (1 (6)		TP⊦	l (mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total BTEX	
Sample ID	Date	Depth (ft)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Chloride (mg/kg)
S-1	2/26/2024	0-0.25	119	164	<49.6	283	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	122
3-1	"	0.5	110	107	<50.1	217	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	88.1
S-2	2/26/2024	0-0.25	104	104	<50.4	208	<0.00198	0.00909	0.00273	0.0396	0.0514	303
3-2	II .	0.5	96.7	75.3	<50.5	172	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	108
S-3	2/26/2024	0-0.25	95.8	74.0	<49.8	170	<0.00198	0.00875	0.00210	0.0246	0.0354	88.2
3-3	"	0.5	94.3	61.9	<49.9	156	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	69.6
H-1	2/26/2024	0-0.5	<49.6	<49.6	<49.6	<49.6	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	108
H-2	2/26/2024	0-0.5	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	88.6
H-3	2/26/2024	0-0.5	<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	76.5
H-4	2/26/2024	0-0.5	<50.4	<50.4	<50.4	<50.4	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	23.4
	ry Criteria ^A		1,000	mg/kg		2,500 mg/kg	10 mg/kg				50 mg/kg	20,000 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
Removed

Table 2
Conoco Phillips
Fascinator C CTB (02.21.24)
Lea County, New Mexico

Sample ID	Date	Depth (ft)		TPH	l (mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total BTEX	Chloride (mg/kg)
		Deptii (it)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Cilionae (mg/kg)
CS-1	3/12/2024	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-2	3/12/2024	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-3	3/12/2024	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-4	3/12/2024	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-5	3/12/2024	1.0	<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	1.0	<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	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-8	3/12/2024	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-9	3/12/2024	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-10	3/12/2024	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-11	3/12/2024	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-12	3/12/2024	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-1	3/12/2024	1.0	<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	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-3	3/12/2024	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-4	3/12/2024	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-5	3/12/2024	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-6	3/12/2024	1.0	<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	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-8	3/12/2024	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-9	3/12/2024	1.0	<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	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
Tomahawk Pit	3/12/2024		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
	ry Criteria A		1,000	mg/kg		2,500 mg/kg	10 mg/kg				50 mg/kg	20,000 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

PHOTOGRAPHIC LOG

COG Operating

Photograph No. 1

Facility: Fascinator C CTB (02.21.2024)

County: Lea County, New Mexico

Description:

View South, area of CS-1 through CS-12.



Photograph No. 2

Facility: Fascinator C CTB (02.21.2024)

County: Lea County, New Mexico

Description:

View Southwest, area of CS-1 through CS-12.



Photograph No. 3

Facility: Fascinator C CTB (02.21.2024)

County: Lea County, New Mexico

Description:

View Northeast, area of CS-1 through CS-9, and CS-12.





PHOTOGRAPHIC LOG

COG Operating

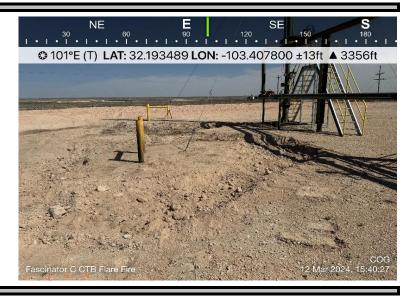
Photograph No. 4

Facility: Fascinator C CTB (02.21.2024)

County: Lea County, New Mexico

Description:

View East, area of CS-7 through CS-12.



APPENDIX C

<u>District I</u> 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

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 316443

QUESTIONS

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	316443
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source					
Please answer all the questions in this group.					
Site Name Fascinator C CTB					
Date Release Discovered	02/21/2024				
Surface Owner	State				

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: 0 BBL Recovered: 0 BBL Lost: 0 BBL.	
Produced Water Released (bbls) Details	Not answered.	
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.	
Condensate Released (bbls) Details	Not answered.	
Natural Gas Vented (Mcf) Details	Not answered.	
Natural Gas Flared (Mcf) Details	Not answered.	
Other Released Details	Not answered.	
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.	

District I
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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 316443

QUESTIONS	(continued)
QUESTIONS!	COH I III I I I I C C I I

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	316443
	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 Release was confined to the well pad Facility has been cleared by safety personnel	

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

District I
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Phone: (575) 393-6161 Fax: (575) 393-0720 District II

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ACKNOWLEDGMENTS

Action 316443

ACKNOWLEDGMENTS

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	316443
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

✓	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
V	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.
V	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.
V	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.
V	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.
V	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

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 316443

CONDITIONS

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	316443
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By		Condition Date
jlaird	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	2/21/2024

Received by OCD: 4/2/2024 8:43:12 AM State of New Mexico
Page 6 Oil Conservation Division

	Page 24 of 123
Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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 (electronic submittals in .pdf format are preferred) 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.

Closure Report Attachment Checklist: Each of the following items must be included in the closure report.

☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC		
Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)		
☐ Laboratory analyses of final sampling (Note: appropriate ODG	C District office must be notified 2 days prior to final sampling)	
☐ Description of remediation activities		
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.		
Printed Name:		
Signature: <u>Jacob Laird</u>	Date:	
email:	Telephone:	
OCD Only		
Received by:	Date:	
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.		
Closure Approved by:	Date:	
Printed Name:	Title:	

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

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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 321350

QUESTIONS

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	321350
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites									
Incident ID (n#)	nAPP2405256649								
Incident Name	NAPP2405256649 FASCINATOR C CTB @ 0								
Incident Type	Oil Release								
Incident Status	Notification Accepted								
Incident Facility	[fAPP2135131533] Fascinator C CTB - RT BTTY								

Location of Release Source	
Site Name	Fascinator C CTB
Date Release Discovered	02/21/2024
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	4,400
What is the estimated number of samples that will be gathered	22
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 0.93 miles and turn left on the unnamed lease road. Travel west for 0.5 miles and turn left on unmarked lease road. Travel SW for 0.11 miles and arrive to pad location. The area of concern is located on the SE end of the pad. GPS coordinates 32.193504°, -103.407749°.

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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 321350

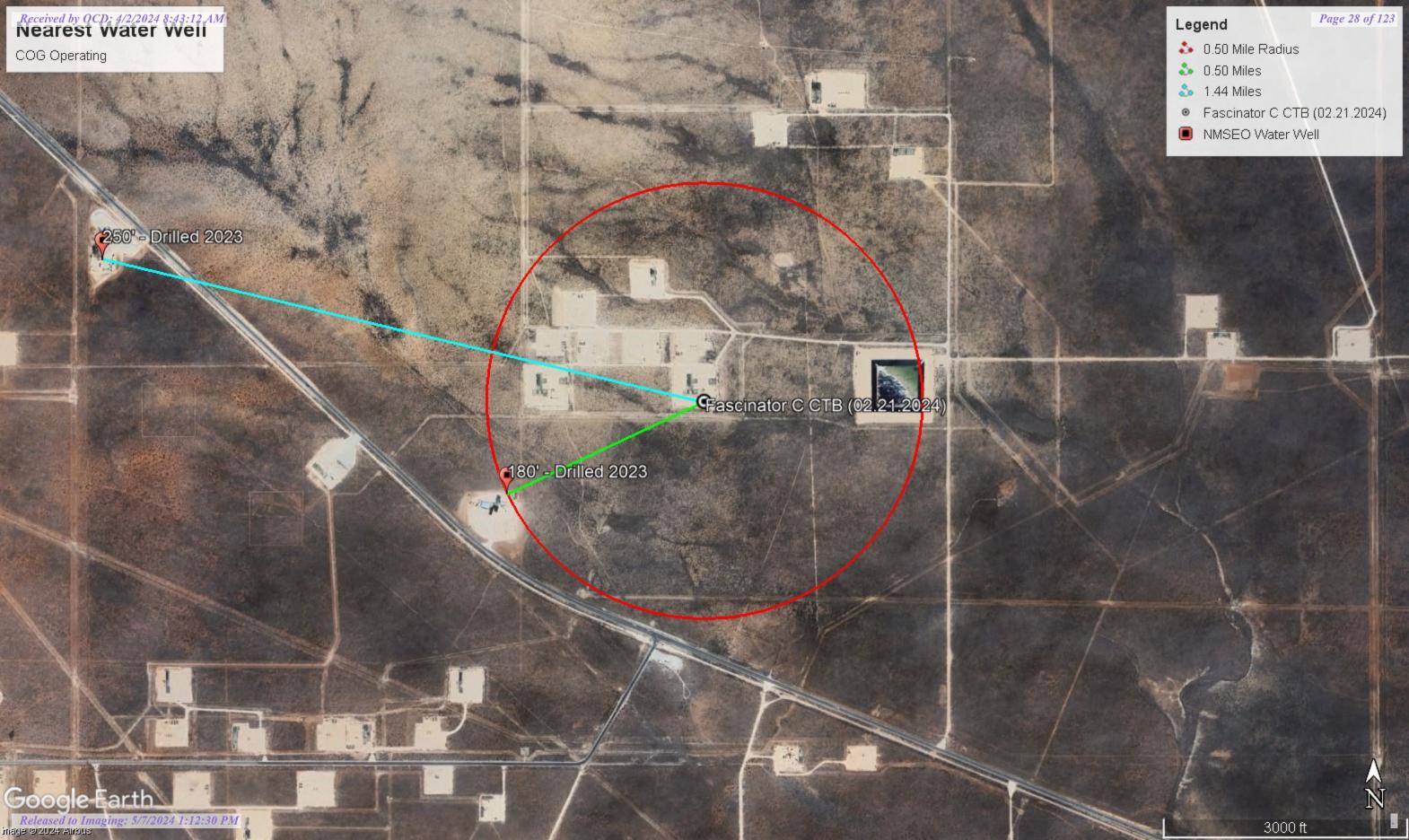
CONDITIONS

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	321350
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created	Condition	Condition
Ву		Date
jlaird	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







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 Sub-		Q	Q	Q							Depth	Depth	Water
POD Number	Code basin	County	64	16	4 :	Sec	Tws	Rng	Х	Υ	Distance	-	-	Column
<u>C 04682</u>	С	LE	4	4	2	25	24S	34E	649349	3562621 🌑	816	290	180	110
CP 00839 POD1	СР	LE		4	3	30	24S	35E	650017	3561833* 🌍	1148	175		
C 04042 POD1	CUB	LE	2	1	4	36	24S	34E	648539	3561545 🌍	2106			
C 04737 POD1	CUB	LE	1	3	3	24	24S	34E	647828	3563471 🌍	2306	250		
C 02401	CUB	LE	2	2	1	01	25S	34E	648534	3559896* 🌍	3450	275	260	15
C 03942 POD1	CUB	LE	3	1	2	35	24S	34E	647005	3561246 🌍	3531	420	222	198

Average Depth to Water: 220 feet

Minimum Depth: 180 feet

Maximum Depth: 260 feet

Record Count: 6

UTMNAD83 Radius Search (in meters):

Easting (X): 650082 Northing (Y): 3562980 Radius: 4000

*UTM location was derived from PLSS - see Help

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



New Mexico Office of the State Engineer

Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag **POD Number** Q64 Q16 Q4 Sec Tws Rng

 \mathbf{X} Y

C 04682 NA

24S 34E

649349 3562621

Driller License: 1058

Driller Company:

KEY'S DRILLING & PUMP SERVICE

Driller Name: GARY KEY

Drill Start Date: 12/20/2022 02/08/2023

Drill Finish Date: PCW Rcv Date:

Depth Well:

01/18/2023

Plug Date:

01/18/2023

Log File Date:

Source:

Shallow

Pump Type: Casing Size:

4.50

Pipe Discharge Size:

290 feet

Bottom Description

Estimated Yield: 3 GPM Depth Water:

180 feet

Water Bearing Stratifications:

Top 157

270 Sandstone/Gravel/Conglomerate

Casing Perforations:

Bottom

Top 160 290

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

2/22/24 1:07 PM

POINT OF DIVERSION SUMMARY

WELL RECORD & LOG
OFFICE OF THE STATE ENGINEER
www.ose.state.nm.us

OSE OIT JUN 30 2023 PM2:15

POD1	WAIED MAN	IE(S)			MW-1			C-4737 PHONE (OPTI	ONAL					
1	wner nam aste Serv							PHONE (OPTI	ONAL)					
10.000000000000000000000000000000000000	wner MAI outhview	LING ADDRESS Circle			<u> </u>			CITY Center		STAT	TE 75935	ZI		
W	T		DE	GREES	MINUTES	SECO	NDS			passara papara				
WE LOCA		LATITUDE		32	11	53	.12 _N	* ACCURACY	REQUIRED: ONE TEN	TH OF	A SECOND			
(FROM	(GPS)	LONGITUDE		103	25	53	.91 W	* DATUM REG	QUIRED: WGS 84					
									wnshjip, range) wh ~596' SW of NM-		VAILABLE			
LICENSE NI	NO. M-1800	NAME OF LI	CENSED		arod M Michals	sky			NAME OF WELL DR		COMPANY LPE, Ltd.			
	G STARTEI /25/23	DRILLING E 4/28/2		DEPTH OF CO	OMPLETED WELL (FT)		LE DEPTH (FT) 251	DEPTH WATER FIR		COUNTERED (FT)	1		
COMPLE	TED WELL	IS: ARTESIA		✓ DRY HO	LE SHALL	OW (UNC	ONFINED)		WATER LEVEL PLETED WELL N	/A	DATE STATIC N/			
DRILLIN	G FLUID:	✓ AIR		MUD	ADDIT	IVES – SPE	CIFY:							
DRILLIN	G METHOD	: ROTARY	HAMM	ER CAB	SLE TOOL OT	HER – SPE	CIFY:	- X	CHECK INSTAL	HERE LED	IF PITLESS ADAI	PTER		
DEP	ΓΗ (feet bg	BORE H	HOLE	CASING	MATERIAL AN	ID/OR	CA	SING	CASING	CA	SING WALL	Ts		
FROM	T			(include	GRADE each casing string	g and	CONN	IECTION	INSIDE DIAM.	THICKNESS		(in		
		(inch	es)		sections of screen		(add coupl	YPE ing diameter)	(inches)		(inches)			
0	21	0 8			Sch 80 PVC		F	Riser	4		0.5			
210	25	0 8			Sch 80 PVC		S	creen	4		0.5	'		
										-		_		
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			ans congression	LIST ANN	ULAR SEAL MAT	ERIAL AN	D GRAVEI	PACK SIZE-						
DEP	ΓH (feet bg	DIAM G				BY INTER			AMOUNT		METHO PLACEN			
FROM		3	nenes)	*(if using Co	entralizers for Arte			spacing below)	(cubic feet)					
0	2					and Ceme		100	0.13		Trem			
2	19	Land St. Land	<u> </u>			ntonite Pe			12.89		Trem			
195	25	8			8/16	Silica Sar	10		3.74		Trem	iie		
			1											
	1		No. 1											

POD NO.

24.34.24.

TRN NO.

WELL TAG ID NO.

PAGE 1 OF 2

FILE NO.

LOCATION

		THICKNESS	s		TER RING?	YIELD FOR WATER-	
FROM	ТО	(feet)	(attach supplemental sheets to fully describe all units)		(YES	/ NO)	BEARING ZONES (gpm
0	10	10	SM: Sandy Silt, 20% Fine Grained Sand, 80% Silt, Dry, 7.5YR 8/3, No C	Odor	Y	✓ N	
10	15	5	SM-SW: Fine, 15% Silt, 45% Sand, 40% pebbles, Dry, 7.5YR 8/4, No O	dor	Y	✓ N	
15	20	5	SW: Fine Grained Sand, Dry, 2.5YR 6/6, No Odor		Y	√ N	
20	45	25	SM: Sandy Silt, 10-20% Fine Sand, 20-80% Silt, Dry, 2.5-5YR 4-5/4, No	Odor	Y	✓ N	
45	55	10	SM: Sandy Silt, 10% Fine Grained Sand, 90% Silt, Dry, 10YR 6/2, No O	dor	Y	✓ N	
55	60	5	SM: Sandy Silt, 10% Fine Grained Sand, 90% Silt, Dry, 5YR 4/4, No Oo	dor	Y	✓ N	
60	70	10	SM: Sandy Siltstone, Friable, 10% Fine Sand, 90% Silt, Dry, 2.5YR 4/4, N	o Odc	Y	✓ N	
70	75	5	SW: Fine Grained Sandstone, Dry, 10YR 4/1, No Odor		Y	✓ N	
75	90	15	SM: Sandy Siltstone, Friable, 15% Fine Sand, 85% Silt, Dry, 2.5YR 5/4, N	o Odc	Y	✓ N	100
90	140	50	SM: Silty Sandstone, Friable, 45% Silt, 55% Fine Sand, Dry, 5YR 6/2, No	Odor	Y	✓ N	
140	145	5	SW: Fine Grained Sandstone, Dry, 5YR 6/2, No Odor		Y	✓ N	
145	155	15	SM: Sandy Siltstone, Friable, 20% Fine Sand, 80% Silt, Dry, 2.5YR 5/6, N	o Odc	Y	✓ N	,
155	170	15	SW: Sandstone, Friable, 40% Medium Sand, 60% Fine Sand, 2.5YR 6/6	Dry	Y	✓ N	
170	175	5	SM: Silty Sandstone, 20% Silt, 80% Fine Sand, Friable, Dry, 2.5YR 3/4, N	o Odo	Y	✓ N	
175	185	10	SW: Sandstone, Friable, 40% Medium Sand, 60% Fine Sand, Dry, 2.5YR	4/4	Y	✓ N	
185	200	15	SW: Sandstone, Very Fine to Fine Grained Sand, Dry, 2.5YR 4/4, No Oo	ior	Y	✓ N	
200	205	5	SM: Silty Sandstone, 20% Silt, 80% Fine Sand, Dry, 2.5YR 4/4, No Od	or	Y	✓ N	
205	220	15	SW: Silty Sandstone, Fine Grained Sand, Dry, 5YR 5/6, No Odor	73.5	Y	✓ N	
220	230	10	SW: Sandstone, 50% Medium Sand, 50% Fine Sand, 2.5YR 4/4, No Od	or	Y	✓ N	
230	251	21	SW: Sandstone, Fine Grained Sand, Dense, Damp, 5YR 4/6, No Odor		Y	✓ N	
					Y	N	
METHOD U	SED TO ES	STIMATE YIELD	OF WATER-BEARING STRATA:	TOTAL	ESTIN	ATED	
PUMF	- A	IR LIFT	BAILER OTHER – SPECIFY:	WELL	YIELD	(gpm):	
WELL TEST							
MISCELLA	NEOUS INI	FORMATION:					
			USE		JN 30	2023	PM2:15
PRINT NAV	(E(S) OF D	RILL RIG SUPER	VISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONS	STRUCTI	ON O	THER TH	IAN LICENSEE
	www						
CORRECT F	RECORD O	F THE ABOVE D	DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL R				
Jarod M Michalsk	v À	DN: cn=Jarod M Michalsky, o=Ta LPE, Ltd., ou, email=jmichalsky@talonlpe.com,	Jarod M Michalsky		06/27	7/2023	
			R / PRINT SIGNEE NAME			DATE	
	10 15 20 45 55 60 70 75 90 140 145 155 170 175 185 200 205 220 230 METHOD U PUMF WELL TEST MISCELLAN PRINT NAM Zechariah D THE UNDER CORRECT FAND THE P. Jarod M	0 10 10 15 15 20 20 45 45 55 55 60 60 70 70 75 75 90 90 140 140 145 145 155 155 170 170 175 175 185 185 200 200 205 200 205 201 220 220 230 230 251 METHOD USED TO EST PUMP	0 10 10 10 10 15 5 15 20 5 20 45 25 45 55 10 55 60 5 60 70 10 70 75 5 75 90 15 90 140 50 140 145 5 145 155 15 155 170 15 170 175 5 175 185 10 185 200 15 200 205 5 200 205 5 200 205 15 220 230 10 230 251 21 METHOD USED TO ESTIMATE YIELD □ PUMP □ AIR LIFT □ WELL TEST TEST RESULTS - ATT. START TIME, END TIME MISCELLANEOUS INFORMATION: PRINT NAME(S) OF DRILL RIG SUPER Zechariah D Moody THE UNDERSIGNED HEREBY CERTIFIC CORRECT RECORD OF THE ABOVE IS AND THE PERMIT HOLDER WITHIN 3 Jarod M Michalsky Digitally signed by Jarod M Mechalsky PRINT NAME(S) OF DRILL RIG SUPER Zechariah D Moody THE UNDERSIGNED HEREBY CERTIFIC CORRECT RECORD OF THE ABOVE IS AND THE PERMIT HOLDER WITHIN 3 Jarod M Michalsky Digitally signed by Jarod M Michalsky, or To Left. Line, calasty effetiology, core, Date: 2013.06.27 10:05:28.06500	TO (feet) (attach supplemental sheets to fully describe all units)	Cattach supplemental sheets to fully describe all units)	TO	FROM

POD NO.

24.

TRN NO.

WELL TAG ID NO.

PAGE 2 OF 2

FILE NO.

LOCATION

Mike A. Hamman, P.E. State Engineer



koswell Office 1900 WEST SECOND STREET ROSWELL, NM 88201

STATE OF NEW MEXICO OFFICE OF THE STATE ENGINEER

Trn Nbr:

745751

File Nbr:

C 04737

Well File Nbr: C 04737 POD1

Jun. 30, 2023

WOODY DUNCAN TALON LPE 921 N BIVINS STREET AMARILLO, TX 79107

Greetings:

The above numbered permit was issued in your name on 04/14/2023.

The Well Record was received in this office on 06/30/2023, stating that it had been completed on 04/28/2023, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 04/13/2024.

If you have any questions, please feel free to contact us.

Sincerely,

Maret Thompson (575)622-6521

drywell

Fascinator C CTB (02.21.2024)



2/22/2024, 2:05:04 PM

OSE Streams

1:9,028 0 0.07 0.15 0.3 mi 0 0.15 0.3 0.6 km

Esri, HERE, Garmin, iPC, Maxar, NM OSE

APPENDIX E

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 3/1/2024 1:58:32 PM

JOB DESCRIPTION

Fascinator C CTB Flare Fire (02.21.24) Lea County, New Mexico

JOB NUMBER

880-40070-1

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 3/1/2024 1:58:32 PM

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

3

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a

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13

14

Client: Carmona Resources Project/Site: Fascinator C CTB Flare Fire (02.21.24) Laboratory Job ID: 880-40070-1 SDG: Lea County, New Mexico

Table of Contents

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Surrogate Summary	11
QC Sample Results	12
QC Association Summary	16
Lab Chronicle	19
Certification Summary	21
Method Summary	22
Sample Summary	23
Chain of Custody	24
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6

Q Q

9

11

46

14

Definitions/Glossary

Job ID: 880-40070-1 Client: Carmona Resources Project/Site: Fascinator C CTB Flare Fire (02.21.24)

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**

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

HPLC/IC

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

Glossary

CNF

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

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)

Contains No Free Liquid

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level" Minimum Detectable Activity (Radiochemistry) MDA MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit Minimum Level (Dioxin) ML MPN Most Probable Number Method Quantitation Limit MQL

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)

Reporting Limit or Requested Limit (Radiochemistry) RL

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Case Narrative

Client: Carmona Resources Job ID: 880-40070-1

Project: Fascinator C CTB Flare Fire (02.21.24)

Eurofins Midland Job ID: 880-40070-1

Job Narrative 880-40070-1

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
- 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') (880-40070-1), S-1 (0.5') (880-40070-2), S-2 (0-0.25') (880-40070-3), S-2 (0.5') (880-40070-4), S-3 (0-0.25') (880-40070-5) and S-3 (0.5') (880-40070-6).

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 880-74367 and analytical batch 880-74322 was outside the upper control limits.

Method 8015MOD NM: Surrogate recovery for the following samples were outside control limits: S-1 (0-0.25') (880-40070-1), S-3 (0-0.25') (880-40070-5) and (880-40091-A-1-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or reanalysis was not performed.

Method 8015MOD NM: The continuing calibration verification (CCV) associated with batch 880-74322 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 880-74322/58).

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

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

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

Date Collected: 02/26/24 00:00

Date Received: 02/28/24 14:05

Client Sample Results

Client: Carmona Resources

Project/Site: Fascinator C CTB Flare Fire (02.21.24)

SDG: Lea County, New Mexico

Lab Sample ID: 880-40070-1

Matrix: Solid

Job ID: 880-40070-1

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 03:09	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/29/24 13:08	03/01/24 03:09	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/29/24 13:08	03/01/24 03:09	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/29/24 13:08	03/01/24 03:09	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/29/24 13:08	03/01/24 03:09	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/29/24 13:08	03/01/24 03:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				02/29/24 13:08	03/01/24 03:09	1
1,4-Difluorobenzene (Surr)	102		70 - 130				02/29/24 13:08	03/01/24 03:09	1

Method: TAL SOP Total BTEX	- Total BTEX	Calculation
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Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			03/01/24 03:09	1

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

	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
L	Total TPH	283		49.6		mg/Kg			03/01/24 03:01	1

Analyte Re	sult Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	119	49.6	mg/Kg		02/29/24 12:42	03/01/24 03:01	1
(GRO)-C6-C10							
Diesel Range Organics (Over	164	49.6	mg/Kg		02/29/24 12:42	03/01/24 03:01	1
C10-C28)							
OII Range Organics (Over C28-C36)	49.6 U	49.6	mg/Kg		02/29/24 12:42	03/01/24 03:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	134	S1+	70 - 130	02/29/24 12:42	03/01/24 03:01	1
o-Terphenyl	140	S1+	70 - 130	02/29/24 12:42	03/01/24 03:01	1

Method: EPA 300.0	- Anions, ion	Chromato	gra	ony	- Soluble
		_		_	

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	122	4.95	mg/Kg			02/29/24 09:32	1

Client Sample ID: S-1 (0.5')

Date Collected: 02/26/24 00:00 Date Received: 02/28/24 14:05

107

Lab	Samp	le ID:	880-400	70-2
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02/29/24 13:08

Matrix: Solid

Mothod: SW846 8021B	- Volatilo	Organic	Compounds	(CC)

Welliou. 344040 002 IB - Volati	ne Organic Comp	ounus (GC)	,						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/29/24 13:08	03/01/24 03:30	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/29/24 13:08	03/01/24 03:30	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/29/24 13:08	03/01/24 03:30	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		02/29/24 13:08	03/01/24 03:30	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/29/24 13:08	03/01/24 03:30	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/29/24 13:08	03/01/24 03:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				02/29/24 13:08	03/01/24 03:30	1

Eurofins Midland

03/01/24 03:30

70 - 130

1,4-Difluorobenzene (Surr)

Client: Carmona Resources

Project/Site: Fascinator C CTB Flare Fire (02.21.24)

Job ID: 880-40070-1

SDG: Lea County, New Mexico

02/29/24 09:39

Client Sample ID: S-1 (0.5') Lab Sample ID: 880-40070-2 Date Collected: 02/26/24 00:00

Matrix: Solid

Date Received: 02/28/24 14:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			03/01/24 03:30	1
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	217		50.1		mg/Kg			03/01/24 03:21	1
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	110		50.1		mg/Kg		02/29/24 12:42	03/01/24 03:21	1
(GRO)-C6-C10									
Diesel Range Organics (Over	107		50.1		mg/Kg		02/29/24 12:42	03/01/24 03:21	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		02/29/24 12:42	03/01/24 03:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane			70 - 130				02/29/24 12:42	03/01/24 03:21	1
o-Terphenyl	121		70 - 130				02/29/24 12:42	03/01/24 03:21	1

Client Sample ID: S-2 (0-0.25') Lab Sample ID: 880-40070-3 **Matrix: Solid**

4.96

mg/Kg

88.1

Date Collected: 02/26/24 00:00

Chloride

Date Received: 02/28/24 14:05

Released to Imaging: 5/7/2024 1:12:30 PM

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00198	U	0.00198		mg/Kg		02/29/24 13:08	03/01/24 05:20	
Toluene	0.00909		0.00198		mg/Kg		02/29/24 13:08	03/01/24 05:20	
Ethylbenzene	0.00273		0.00198		mg/Kg		02/29/24 13:08	03/01/24 05:20	
m-Xylene & p-Xylene	0.0293		0.00397		mg/Kg		02/29/24 13:08	03/01/24 05:20	
o-Xylene	0.0103		0.00198		mg/Kg		02/29/24 13:08	03/01/24 05:20	
Xylenes, Total	0.0396		0.00397		mg/Kg		02/29/24 13:08	03/01/24 05:20	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	89		70 - 130				02/29/24 13:08	03/01/24 05:20	
Method: TAL SOP Total BTEX -			70 ₋ 130	MDI	Unit	n	02/29/24 13:08	03/01/24 05:20	
Method: TAL SOP Total BTEX - Analyte	Total BTEX Cald	culation Qualifier	70 - 130 RL 0.00397	MDL	Unit mg/Kg	D	02/29/24 13:08 Prepared	03/01/24 05:20 Analyzed 03/01/24 05:20	
Method: TAL SOP Total BTEX - Analyte Total BTEX	Total BTEX Calc Result 0.0514	Qualifier	RL 0.00397	MDL		<u>D</u>		Analyzed	Dil Fac
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte	Total BTEX Calc Result 0.0514 sel Range Organ	Qualifier	RL 0.00397			<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Dies	Total BTEX Calc Result 0.0514 sel Range Organ	Qualifier ics (DRO) (RL 0.00397		mg/Kg		Prepared	Analyzed 03/01/24 05:20	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte	Total BTEX Calc Result 0.0514 sel Range Organ Result 208	Qualifier ics (DRO) (RL 0.00397 GC) RL 50.4		mg/Kg		Prepared	Analyzed 03/01/24 05:20 Analyzed	
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte Total TPH	Total BTEX Calc Result 0.0514 sel Range Organ Result 208 esel Range Orga	Qualifier ics (DRO) (RL 0.00397 GC) RL 50.4	MDL	mg/Kg		Prepared	Analyzed 03/01/24 05:20 Analyzed	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte Total TPH Method: SW846 8015B NM - Dies	Total BTEX Calc Result 0.0514 sel Range Organ Result 208 esel Range Orga	Qualifier ics (DRO) (Qualifier nics (DRO)	RL 0.00397 GC) RL 50.4 (GC)	MDL	mg/Kg Unit mg/Kg	<u></u>	Prepared Prepared	Analyzed 03/01/24 05:20 Analyzed 03/01/24 03:42	Dil Fa

Client: Carmona Resources

Project/Site: Fascinator C CTB Flare Fire (02.21.24)

Job ID: 880-40070-1

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: 880-40070-3

Matrix: Solid

Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC) (Continue	ed)				
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.4	U	50.4	mg/Kg		02/29/24 12:42	03/01/24 03:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Surrogate 1-Chlorooctane	%Recovery 121	Qualifier	70 - 130			Prepared 02/29/24 12:42	Analyzed 03/01/24 03:42	Dil Fac

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier RL MDL Dil Fac Analyte Unit D Prepared Analyzed 5.00 02/29/24 09:47 303 Chloride mg/Kg

Client Sample ID: S-2 (0.5')

Date Collected: 02/26/24 00:00

o-Xylene

Xylenes, Total

o-Terphenyl

Lab Sample ID: 880-40070-4

03/01/24 05:41

03/01/24 05:41

02/29/24 13:08

02/29/24 13:08

02/29/24 12:42

Matrix: Solid

Date Received: 02/28/24 14:05 Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Benzene <0.00200 U 0.00200 02/29/24 13:08 03/01/24 05:41 mg/Kg Toluene <0.00200 U 0.00200 02/29/24 13:08 03/01/24 05:41 mg/Kg Ethylbenzene <0.00200 U 0.00200 02/29/24 13:08 03/01/24 05:41 mg/Kg m-Xylene & p-Xylene 02/29/24 13:08 03/01/24 05:41 < 0.00399 U 0.00399 mg/Kg

0.00200

0.00399

mg/Kg

mg/Kg

<0.00200 U

<0.00399 U

118

%Recovery Qualifier Limits Dil Fac Surrogate Prepared Analyzed 70 - 130 02/29/24 13:08 4-Bromofluorobenzene (Surr) 93 03/01/24 05:41 1,4-Difluorobenzene (Surr) 110 70 - 130 02/29/24 13:08 03/01/24 05:41

Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL MDL Unit D Dil Fac Prepared Analyzed Total BTEX <0.00399 U 0.00399 mg/Kg 03/01/24 05:41

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier MDL Dil Fac RL Unit D Prepared Analyzed 50.5 mg/Kg 03/01/24 04:03 **Total TPH** 172

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier Analyte RL MDL Unit Prepared Analyzed Dil Fac 50.5 02/29/24 12:42 03/01/24 04:03 **Gasoline Range Organics** 96.7 mg/Kg (GRO)-C6-C10 50.5 02/29/24 12:42 03/01/24 04:03 **Diesel Range Organics (Over** 75.3 mg/Kg OII Range Organics (Over C28-C36) <50.5 U 50.5 mg/Kg 02/29/24 12:42 03/01/24 04:03 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 116 70 - 130 02/29/24 12:42 03/01/24 04:03

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier MDL Unit Dil Fac RL Prepared Analyzed Chloride 108 4.98 02/29/24 12:55 mg/Kg

70 - 130

Eurofins Midland

03/01/24 04:03

Client: Carmona Resources

Project/Site: Fascinator C CTB Flare Fire (02.21.24)

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: 880-40070-5

Matrix: Solid

Job ID: 880-40070-1

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 06:01	1
Toluene	0.00875		0.00198		mg/Kg		02/29/24 13:08	03/01/24 06:01	1
Ethylbenzene	0.00210		0.00198		mg/Kg		02/29/24 13:08	03/01/24 06:01	1
m-Xylene & p-Xylene	0.0184		0.00396		mg/Kg		02/29/24 13:08	03/01/24 06:01	1
o-Xylene	0.00617		0.00198		mg/Kg		02/29/24 13:08	03/01/24 06:01	1
Xylenes, Total	0.0246		0.00396		mg/Kg		02/29/24 13:08	03/01/24 06:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				02/29/24 13:08	03/01/24 06:01	1
1,4-Difluorobenzene (Surr)	107		70 - 130				02/29/24 13:08	03/01/24 06:01	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0354		0.00396		mg/Kg			03/01/24 06:01	1
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)						
Analyte	Result	ics (DRO) (RL	MDL	Unit	D	Prepared	Analyzed	
			•	MDL		<u>D</u>	Prepared	Analyzed 03/01/24 04:24	
Analyte	Result 170	Qualifier	RL 49.8	MDL	Unit	<u>D</u>	Prepared		
Analyte Total TPH	Result 170 sel Range Orga	Qualifier	RL 49.8	MDL	Unit mg/Kg	<u>D</u>	Prepared Prepared		1
Analyte Total TPH Method: SW846 8015B NM - Dies	Result 170 sel Range Orga	Qualifier nics (DRO)	RL 49.8 (GC)		Unit mg/Kg		<u> </u>	03/01/24 04:24	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result 170 sel Range Orga	Qualifier nics (DRO)	(GC)		Unit mg/Kg		Prepared	03/01/24 04:24 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10	Result 170 sel Range Orga Result 95.8	Qualifier nics (DRO) Qualifier	RL 49.8 (GC) RL 49.8		Unit mg/Kg Unit mg/Kg		Prepared 02/29/24 12:42	03/01/24 04:24 Analyzed 03/01/24 04:24	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result 170 sel Range Orga Result 95.8 74.0	Qualifier nics (DRO) Qualifier	RL 49.8 (GC) RL 49.8 49.8		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 02/29/24 12:42 02/29/24 12:42	03/01/24 04:24 Analyzed 03/01/24 04:24 03/01/24 04:24	1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result 170 sel Range Orga Result 95.8 74.0 <49.8	Qualifier nics (DRO) Qualifier	RL 49.8 (GC) RL 49.8 49.8 49.8		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 02/29/24 12:42 02/29/24 12:42 02/29/24 12:42	03/01/24 04:24 Analyzed 03/01/24 04:24 03/01/24 04:24 03/01/24 04:24	Dil Face 1 1 1 Dil Face
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result 170	Qualifier nics (DRO) Qualifier U	RL 49.8 (GC) RL 49.8 49.8 49.8 Limits		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 02/29/24 12:42 02/29/24 12:42 02/29/24 12:42 Prepared	03/01/24 04:24 Analyzed 03/01/24 04:24 03/01/24 04:24 03/01/24 04:24 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result 170	Qualifier Dics (DRO) Qualifier U Qualifier S1+ S1+	RL 49.8 (GC) RL 49.8 49.8 49.8 Limits 70 - 130 70 - 130		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 02/29/24 12:42 02/29/24 12:42 02/29/24 12:42 Prepared 02/29/24 12:42	03/01/24 04:24 Analyzed 03/01/24 04:24 03/01/24 04:24 Analyzed 03/01/24 04:24	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result 170	Qualifier Dics (DRO) Qualifier U Qualifier S1+ S1+	RL 49.8 (GC) RL 49.8 49.8 49.8 Limits 70 - 130 70 - 130		Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg		Prepared 02/29/24 12:42 02/29/24 12:42 02/29/24 12:42 Prepared 02/29/24 12:42	03/01/24 04:24 Analyzed 03/01/24 04:24 03/01/24 04:24 Analyzed 03/01/24 04:24	Dil Fac 1 Dil Fac 1 1 Dil Fac 1 Dil Fac 1 Dil Fac

Client Sample ID: S-3 (0.5') Lab Sample ID: 880-40070-6 Date Collected: 02/26/24 00:00 **Matrix: Solid**

Date Received: 02/28/24 14:05

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 06:22	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/29/24 13:08	03/01/24 06:22	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/29/24 13:08	03/01/24 06:22	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/29/24 13:08	03/01/24 06:22	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/29/24 13:08	03/01/24 06:22	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/29/24 13:08	03/01/24 06:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				02/29/24 13:08	03/01/24 06:22	1
1,4-Difluorobenzene (Surr)	109		70 - 130				02/29/24 13:08	03/01/24 06:22	1

Client: Carmona Resources

Project/Site: Fascinator C CTB Flare Fire (02.21.24)

Job ID: 880-40070-1

SDG: Lea County, New Mexico

02/29/24 10:40

Lab Sample ID: 880-40070-6

Matrix: Solid

Client Sample ID: S-3 (0.5)	
Date Collected: 02/26/24 00:00	

Date Received: 02/28/24 14:05

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/01/24 06:22	1
Method: SW846 8015 NM - Diesel	Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	156		49.9		mg/Kg			03/01/24 04:44	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	94.3		49.9		mg/Kg	_	02/29/24 12:42	03/01/24 04:44	1
Diesel Range Organics (Over C10-C28)	61.9		49.9		mg/Kg		02/29/24 12:42	03/01/24 04:44	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/29/24 12:42	03/01/24 04:44	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	105		70 - 130				02/29/24 12:42	03/01/24 04:44	
o-Terphenyl	112		70 - 130				02/29/24 12:42	03/01/24 04:44	

5.00

mg/Kg

69.6

Surrogate Summary

Client: Carmona Resources

Project/Site: Fascinator C CTB Flare Fire (02.21.24)

Job ID: 880-40070-1 SDG: Lea County, New Mexico

ODG. Lea Coul

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

		BFB1	DFBZ1	Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-40068-A-1-D MS	Matrix Spike	95	96	
880-40068-A-1-E MSD	Matrix Spike Duplicate	102	102	
880-40070-1	S-1 (0-0.25')	104	102	
880-40070-2	S-1 (0.5')	114	107	
880-40070-3	S-2 (0-0.25')	89	97	
880-40070-4	S-2 (0.5')	93	110	
880-40070-5	S-3 (0-0.25')	100	107	
880-40070-6	S-3 (0.5')	103	109	
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	
	Method Blank	133 S1+	137 S1+	

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-40070-1	S-1 (0-0.25')	134 S1+	140 S1+	
880-40070-2	S-1 (0.5')	116	121	
880-40070-3	S-2 (0-0.25')	121	125	
880-40070-4	S-2 (0.5')	116	118	
880-40070-5	S-3 (0-0.25')	138 S1+	138 S1+	
880-40070-6	S-3 (0.5')	105	112	
880-40091-A-1-B MS	Matrix Spike	118	117	
380-40091-A-1-C MSD	Matrix Spike Duplicate	141 S1+	141 S1+	
LCS 880-74367/2-A	Lab Control Sample	100	103	
LCSD 880-74367/3-A	Lab Control Sample Dup	94	99	
MB 880-74367/1-A	Method Blank	157 S1+	175 S1+	

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: Carmona Resources

Job ID: 880-40070-1 Project/Site: Fascinator C CTB Flare Fire (02.21.24)

SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-74189/5-A

Matrix: Solid

Analysis Batch: 74314

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 74189

	MB	MB							
Analyte	Result	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

мв мв

мв мв

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	125		70 - 130

Prepared	Analyzed	Dil Fac
02/27/24 14:20	02/29/24 12:19	1
02/27/24 14:20	02/29/24 12:19	1

Lab Sample ID: MB 880-74384/5-A

Matrix: Solid

Analysis Batch: 74314

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

Prep Batch: 74384

Analyte	Result (Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200 l	U	0.00200		mg/Kg		02/29/24 13:08	02/29/24 23:56	1
Toluene	<0.00200 l	U	0.00200		mg/Kg		02/29/24 13:08	02/29/24 23:56	1
Ethylbenzene	<0.00200 l	U	0.00200		mg/Kg		02/29/24 13:08	02/29/24 23:56	1
m-Xylene & p-Xylene	<0.00400 l	U	0.00400		mg/Kg		02/29/24 13:08	02/29/24 23:56	1
o-Xylene	<0.00200 l	U	0.00200		mg/Kg		02/29/24 13:08	02/29/24 23:56	1
Xylenes, Total	<0.00400 l	U	0.00400		mg/Kg		02/29/24 13:08	02/29/24 23:56	1

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130	02/29/24 13:0	02/29/24 23:56	1
1,4-Difluorobenzene (Surr)	137	S1+	70 - 130	02/29/24 13:0	8 02/29/24 23:56	1

Lab Sample ID: LCS 880-74384/1-A

Matrix: Solid

Analysis Batch: 74314

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

Prep Batch: 74384

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%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	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	100	70 - 130
1,4-Difluorobenzene (Surr)	101	70 - 130

Lab Sample ID: LCSD 880-74384/2-A

Matrix: Solid

Analysis Batch: 74314

Client Sample ID: Lab	Control Sample Dup
	Dren Times Tetal/NA

Prep Type: Total/NA

Prep Batch: 74384

	Spike	LCSD LCSD				%Rec		RPD
Analyte	Added	Result Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09672	mg/Kg		97	70 - 130	2	35

Client: Carmona Resources

Project/Site: Fascinator C CTB Flare Fire (02.21.24)

Job ID: 880-40070-1

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

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
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-A-1-D MS

Matrix: Solid

Analysis Batch: 74314

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 74384

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	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-A-1-E MSD

Matrix: Solid

Analysis Batch: 74314

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 74384

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
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

мв мв Result Qualifier

<50.0 U

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 880-74367/1-A

Matrix: Solid

Analysis Batch: 74322

Gasoline Range Organics

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

Prepared

02/29/24 12:42

Prep Batch: 74367

02/29/24 20:03

(GRO)-C6-C10

Eurofins Midland

50.0

MDL Unit

mg/Kg

Client: Carmona Resources

Project/Site: Fascinator C CTB Flare Fire (02.21.24)

Job ID: 880-40070-1

SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-74367/1-A

Lab Sample ID: LCS 880-74367/2-A

Matrix: Solid

Analysis Batch: 74322

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 74367

ı		IND							
	Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
	Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		02/29/24 12:42	02/29/24 20:03	1
	C10-C28) OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/29/24 12:42	02/29/24 20:03	1

MB MB

MR MR

Surrogate	%Recovery	Qualifier	Limits	Prepa	ared	Analyzed	Dil Fac
1-Chlorooctane	157	S1+	70 - 130	02/29/24	4 12:42	02/29/24 20:03	1
o-Terphenyl	175	S1+	70 - 130	02/29/24	4 12:42	02/29/24 20:03	1

Client Sample ID: Lab Control Sample

Matrix: Solid Prep Type: Total/NA Analysis Batch: 74322 Prep Batch: 74367 LCS LCS Spike

Analyte Added Result Qualifier Unit %Rec Limits Gasoline Range Organics 1000 963.9 mg/Kg 96 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over 1000 1152 70 - 130 mg/Kg 115 C10-C28)

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	103		70 - 130

Lab Sample ID: LCSD 880-74367/3-A

Matrix: Solid

Analysis Batch: 74322

Prep Type: Total/NA

Prep Batch: 74367

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	932.7		mg/Kg		93	70 - 130	3	20
Diesel Range Organics (Over	1000	1092		mg/Kg		109	70 - 130	5	20
C10-C28)									

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

Lab Sample ID: 880-40091-A-1-B MS

Matrix: Solid

Analysis Batch: 74322

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 74367

	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	1010	970.6		mg/Kg		92	70 - 130
Diesel Range Organics (Over	102		1010	1044		mg/Kg		93	70 - 130

C10-C28)

	IVIS	IVIS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	118		70 - 130
o-Terphenyl	117		70 - 130

Client: Carmona Resources

Project/Site: Fascinator C CTB Flare Fire (02.21.24)

Job ID: 880-40070-1

SDG: Lea County, New Mexico

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

Lab Sample ID: 880-40091-A-1-C MSD

Matrix: Solid

Analysis Batch: 74322

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 74367

-	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	<49.7	U	1010	1183		mg/Kg		113	70 - 130	20	20
(GRO)-C6-C10											
Diesel Range Organics (Over	102		1010	1272		mg/Kg		116	70 - 130	20	20
C10-C28)											

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	141	S1+	70 - 130
o-Terphenyl	141	S1+	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

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Client Sample ID: S-2 (0-0.25')

Client Sample ID: S-2 (0-0.25')

мв мв

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

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

Matrix: Solid

Analysis Batch: 74302

	Spike	LCS	LCS			%Rec
Analyte	Added	Result	Qualifier U	nit D	%Rec	Limits
Chloride	250	253.3	m	ng/Kg	101	90 - 110

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

Matrix: Solid

Analysis Batch: 74302

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

Lab Sample ID: 880-40070-3 MS

Matrix: Solid

Analysis Batch: 74302

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	303		250	576.4		ma/Ka	_	109	90 _ 110	

Lab Sample ID: 880-40070-3 MSD

Matrix: Solid

Analysis Ratch: 74302

Alialysis Dalcii. 14302											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	303		250	556.0		mg/Kg		101	90 - 110	4	20

QC Association Summary

Client: Carmona Resources

Project/Site: Fascinator C CTB Flare Fire (02.21.24)

Job ID: 880-40070-1 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
880-40070-1	S-1 (0-0.25')	Total/NA	Solid	8021B	74384
880-40070-2	S-1 (0.5')	Total/NA	Solid	8021B	74384
880-40070-3	S-2 (0-0.25')	Total/NA	Solid	8021B	74384
880-40070-4	S-2 (0.5')	Total/NA	Solid	8021B	74384
880-40070-5	S-3 (0-0.25')	Total/NA	Solid	8021B	74384
880-40070-6	S-3 (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-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	74384
880-40068-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	74384

Prep Batch: 74384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40070-1	S-1 (0-0.25')	Total/NA	Solid	5035	_
880-40070-2	S-1 (0.5')	Total/NA	Solid	5035	
880-40070-3	S-2 (0-0.25')	Total/NA	Solid	5035	
880-40070-4	S-2 (0.5')	Total/NA	Solid	5035	
880-40070-5	S-3 (0-0.25')	Total/NA	Solid	5035	
880-40070-6	S-3 (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-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
880-40068-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 74482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40070-1	S-1 (0-0.25')	Total/NA	Solid	Total BTEX	
880-40070-2	S-1 (0.5')	Total/NA	Solid	Total BTEX	
880-40070-3	S-2 (0-0.25')	Total/NA	Solid	Total BTEX	
880-40070-4	S-2 (0.5')	Total/NA	Solid	Total BTEX	
880-40070-5	S-3 (0-0.25')	Total/NA	Solid	Total BTEX	
880-40070-6	S-3 (0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 74322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40070-1	S-1 (0-0.25')	Total/NA	Solid	8015B NM	74367
880-40070-2	S-1 (0.5')	Total/NA	Solid	8015B NM	74367
880-40070-3	S-2 (0-0.25')	Total/NA	Solid	8015B NM	74367
880-40070-4	S-2 (0.5')	Total/NA	Solid	8015B NM	74367
880-40070-5	S-3 (0-0.25')	Total/NA	Solid	8015B NM	74367
880-40070-6	S-3 (0.5')	Total/NA	Solid	8015B NM	74367
MB 880-74367/1-A	Method Blank	Total/NA	Solid	8015B NM	74367

Eurofins Midland

Released to Imaging: 5/7/2024 1:12:30 PM

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14

QC Association Summary

Client: Carmona Resources

Project/Site: Fascinator C CTB Flare Fire (02.21.24)

Job ID: 880-40070-1

SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 74322 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-74367/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	74367
LCSD 880-74367/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	74367
880-40091-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	74367
880-40091-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	74367

Prep Batch: 74367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40070-1	S-1 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-40070-2	S-1 (0.5')	Total/NA	Solid	8015NM Prep	
880-40070-3	S-2 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-40070-4	S-2 (0.5')	Total/NA	Solid	8015NM Prep	
880-40070-5	S-3 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-40070-6	S-3 (0.5')	Total/NA	Solid	8015NM Prep	
MB 880-74367/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-74367/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-74367/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-40091-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-40091-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 74471

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40070-1	S-1 (0-0.25')	Total/NA	Solid	8015 NM	
880-40070-2	S-1 (0.5')	Total/NA	Solid	8015 NM	
880-40070-3	S-2 (0-0.25')	Total/NA	Solid	8015 NM	
880-40070-4	S-2 (0.5')	Total/NA	Solid	8015 NM	
880-40070-5	S-3 (0-0.25')	Total/NA	Solid	8015 NM	
880-40070-6	S-3 (0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 74274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40070-1	S-1 (0-0.25')	Soluble	Solid	DI Leach	_
880-40070-2	S-1 (0.5')	Soluble	Solid	DI Leach	
880-40070-3	S-2 (0-0.25')	Soluble	Solid	DI Leach	
880-40070-4	S-2 (0.5')	Soluble	Solid	DI Leach	
880-40070-5	S-3 (0-0.25')	Soluble	Solid	DI Leach	
880-40070-6	S-3 (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	
880-40070-3 MS	S-2 (0-0.25')	Soluble	Solid	DI Leach	
880-40070-3 MSD	S-2 (0-0.25')	Soluble	Solid	DI Leach	

Analysis Batch: 74302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40070-1	S-1 (0-0.25')	Soluble	Solid	300.0	74274
880-40070-2	S-1 (0.5')	Soluble	Solid	300.0	74274
880-40070-3	S-2 (0-0.25')	Soluble	Solid	300.0	74274
880-40070-4	S-2 (0.5')	Soluble	Solid	300.0	74274
880-40070-5	S-3 (0-0.25')	Soluble	Solid	300.0	74274

Eurofins Midland

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QC Association Summary

Client: Carmona Resources

Job ID: 880-40070-1

Project/Site: Fascinator C CTB Flare Fire (02.21.24)

SDG: Lea County, New Mexico

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HPLC/IC (Continued)

Analysis Batch: 74302 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	
880-40070-6	S-3 (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	
880-40070-3 MS	S-2 (0-0.25')	Soluble	Solid	300.0	74274	
880-40070-3 MSD	S-2 (0-0.25')	Soluble	Solid	300.0	74274	

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12

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12

Lab Chronicle

Client: Carmona Resources

Project/Site: Fascinator C CTB Flare Fire (02.21.24)

SDG: Lea County, New Mexico

Lab Sample ID: 880-40070-1

Matrix: Solid

Job ID: 880-40070-1

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

Date Collected: 02/26/24 00:00 Date Received: 02/28/24 14:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 03:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74482	03/01/24 03:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			74471	03/01/24 03:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	74367	02/29/24 12:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74322	03/01/24 03:01	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	74274	02/28/24 14:59	СН	EET MID
Soluble	Analysis	300.0		1			74302	02/29/24 09:32	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: 880-40070-2

Matrix: Solid

Dil Initial Final Batch Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab 5035 Total/NA Prep 4.96 g 5 mL 74384 02/29/24 13:08 EL EET MID Total/NA 8021B 5 mL 03/01/24 03:30 Analysis 1 5 mL 74314 MNR EET MID Total/NA Total BTEX 03/01/24 03:30 SM Analysis 74482 **EET MID** 1 Total/NA Analysis 8015 NM 74471 03/01/24 03:21 SM **EET MID** Total/NA 9.98 g 74367 02/29/24 12:42 Prep 8015NM Prep 10 mL TKC **EET MID** Total/NA Analysis 8015B NM 1 uL 1 uL 74322 03/01/24 03:21 SM **EET MID** 02/28/24 14:59 Soluble Leach DI Leach 5.04 g 50 mL 74274 CH **EET MID** Soluble Analysis 300.0 74302 02/29/24 09:39 СН **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: 880-40070-3

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 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 05:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74482	03/01/24 05:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			74471	03/01/24 03:42	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	74367	02/29/24 12:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74322	03/01/24 03:42	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 09:47	CH	EET MID

Client Sample ID: S-2 (0.5')

Date Collected: 02/26/24 00:00

Date Received: 02/28/24 14:05

Prep Type

Total/NA

Total/NA

Total/NA

Batch

Туре

Prep

Analysis

Analysis

Batch

5035

8021B

Total BTEX

Method

Lab Sample ID:	880-40070-4
	Matrix: Solid

Final	Batch	Prepared		
Amount	Number	or Analyzed	Analyst	Lab
5 mL	74384	02/29/24 13:08	EL	EET MID
5 mL	74314	03/01/24 05:41	MNR	EET MID
	74482	03/01/24 05:41	SM	EET MID

Eurofins Midland

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Initial

Amount

5.01 g

5 mL

Dil

1

1

Factor

Run

Lab Chronicle

Client: Carmona Resources

Date Received: 02/28/24 14:05

Project/Site: Fascinator C CTB Flare Fire (02.21.24)

SDG: Lea County, New Mexico

Job ID: 880-40070-1

Client Sample ID: S-2 (0.5') Lab Sample ID: 880-40070-4 Date Collected: 02/26/24 00:00

Matrix: Solid

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA 8015 NM 74471 Analysis 03/01/24 04:03 SM EET MID Total/NA Prep 8015NM Prep 9.90 g 10 mL 74367 02/29/24 12:42 TKC **EET MID** Total/NA Analysis 8015B NM 1 uL 1 uL 74322 03/01/24 04:03 SM EET MID DI Leach Soluble 5.02 g 50 mL 74274 02/28/24 14:59 EET MID Leach CH 300.0 74302 02/29/24 12:55 Soluble Analysis 1 СН EET MID

Client Sample ID: S-3 (0-0.25') Lab Sample ID: 880-40070-5

Date Collected: 02/26/24 00:00 **Matrix: Solid**

Date Received: 02/28/24 14:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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 06:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74482	03/01/24 06:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			74471	03/01/24 04:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	74367	02/29/24 12:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74322	03/01/24 04:24	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	74274	02/28/24 14:59	СН	EET MID
Soluble	Analysis	300.0		1			74302	02/29/24 13:04	CH	EET MID

Client Sample ID: S-3 (0.5') Lab Sample ID: 880-40070-6

Date Collected: 02/26/24 00:00 **Matrix: Solid** Date Received: 02/28/24 14:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 06:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74482	03/01/24 06:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			74471	03/01/24 04:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	74367	02/29/24 12:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74322	03/01/24 04:44	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 10:40	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

Job ID: 880-40070-1

Project/Site: Fascinator C CTB Flare Fire (02.21.24)

SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Progra	am	Identification Number	Expiration Date		
Texas	NELAP		T104704400-23-26	06-30-24		
• •	are included in this report, bu	it the laboratory is not certif	fied by the governing authority. This lis	t may include analytes		
Analysis Method	Prep Method	Matrix	Analyte			
8015 NM		Solid	Total TPH			
Total BTEX		Solid	Total BTEX			

Method Summary

Client: Carmona Resources

Project/Site: Fascinator C CTB Flare Fire (02.21.24)

Job ID: 880-40070-1

SDG: Lea County, New Mexico

Method	Method Description	Protocol	Laboratory
3021B	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
015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
00.0	Anions, Ion Chromatography	EPA	EET MID
035	Closed System Purge and Trap	SW846	EET MID
015NM Prep	Microextraction	SW846	EET MID
I Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

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Sample Summary

Client: Carmona Resources

Project/Site: Fascinator C CTB Flare Fire (02.21.24)

Job ID: 880-40070-1

SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-40070-1	S-1 (0-0.25')	Solid	02/26/24 00:00	02/28/24 14:05
880-40070-2	S-1 (0.5')	Solid	02/26/24 00:00	02/28/24 14:05
880-40070-3	S-2 (0-0.25')	Solid	02/26/24 00:00	02/28/24 14:05
880-40070-4	S-2 (0.5')	Solid	02/26/24 00:00	02/28/24 14:05
880-40070-5	S-3 (0-0.25')	Solid	02/26/24 00:00	02/28/24 14:05
880-40070-6	S-3 (0.5')	Solid	02/26/24 00:00	02/28/24 14:05

Chain of Custody



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roject Manager	Conner Moehrin				Bill to: (if	difficación.		Corm	one De						7				100			raye		_ 1
Company Name	Carmona Resou				Company			Carmona Resources					-	Work Order Comments										
ddress:	310 W Wall St				Address.	ivame									Program UST/PST ☐PRP ☐srownfields ☐RRC ☐uperfund ☐ State of Project:									
City, State ZIP	Midland, TX 797					~ 7ID	**. ;;;;;***							_	Reporting Level II Level III PST/UST RRP Level IV									
hone.	432-813-6823	7 0 1		- Fencil	City, State ZIP											Deliverables EDD ADaPT Other								
				L Email.	rmona@carmonaresources.com							Deliverables EDD												
roject Name	Fascinat		re Fire (02.21 24)	<u> </u>	Around		Pres,	ANALYSIS REQI							JEST			·		·	Preserv	vative Code	s	
			Routine	✓ Rush) 	Code	-	ļ			ļ								<u> </u>	1	None NO	DI Water	· H ₂ O	
Project Location	L	ea County, N		Due Date.	72	HR																Cool: Cool	MeOH M	1e
Sampler's Name PO #:	:	GPJ/I	<u>K</u>	-					+ MRO)													HCL HC	HNO ₃ HM	
SAMPLE RECE	IDT Tom		()	Wet Ice:	1)	te S		ė.	۰												H ₂ SO ₄ H ₂	NaOH N	а
eceived Intact:		Tento Blank. Yes No Thermometer ID				No	Parameters	BTEX 8021B	ļ <u>t</u>	Chloride 300.0												H₃PO₄ HP		
poler Custody Seals Yes			Correction Factor	· · · · · · · · · · · · · · · · · · ·	1718		Par	X	8	ride												NaHSO ₄ . NAB Na ₂ S ₂ O ₃ NaS		
ample Custody Seals. Yes		No (N/A)	Temperature Reading	- indicate of the second	-18		1	E .) WS	Chic												Zn Acetate+N	-	
otal Containers	· · · · · · · · · · · · · · · · · · ·		Corrected Temperature:		1.1				TPH 8015M (GRO + DRO													NaOH+Ascort		c
Sample Ide	ntification	Date	Time	Soil	Water	Grab/ Comp	# of Cont		Ŧ													Sample	e Comments	s
S-1 (0-	0 25')	2/26/2024	hamilton i i	Х	1	G	1	X	Х	Х									ļ	╁				***************************************
S-1 (0	0 5')	2/26/2024		Х		G	1	Х	X	Х	 	†						<u> </u>	I	+	 			
S-2 (0-	0 25')	2/26/2024		X		G	1	Х	X	Х	1	<u> </u>								†				
S-2 ((0 5')	2/26/2024		Х		G	1	Х	X	Х										1		 		
S-3 (0-	0 25')	2/26/2024		Х		G	1	X	Х	Х	1								<u> </u>	T				
S-3 (0 5')	2/26/2024		Х		G	1	Х	X	Х									†	1	t			
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Comments: Ema	il to Mike Carm	ona / Mcarm	ona@carmonaresource	s.com and Co	nner Mo	ehring /	Cmoeh	ring@	carm	onar	esourc	es co	m											
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Received by OCD: 4/2/2024 8:43:12 AM

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-40070-1

SDG Number: Lea County, New Mexico

Login Number: 40070
List Source: Eurofins Midland
List Number: 1

Creator: Rodriguez, Leticia

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

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Environment Testing

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

Fascinator C CTB Flare Fire (02.18.24) Lea County, New Mexico

JOB NUMBER

880-40069-1

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 <u>Jessica.Kramer@et.eurofinsus.com</u> (432)704-5440

Client: Carmona Resources Project/Site: Fascinator C CTB Flare Fire (02.18.24) Laboratory Job ID: 880-40069-1 SDG: Lea County, New Mexico

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Definitions/Glossary

Job ID: 880-40069-1 Client: Carmona Resources Project/Site: Fascinator C CTB Flare Fire (02.18.24)

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. 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) Limit of Quantitation (DoD/DOE) LOQ

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 MOI 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

Practical Quantitation Limit PQL

PRES Presumptive **Quality Control** QC

Relative Error Ratio (Radiochemistry) **RER**

Reporting Limit or Requested Limit (Radiochemistry) RL

RPD Relative Percent Difference, a measure of the relative difference between two points

Toxicity Equivalent Factor (Dioxin) TEF Toxicity Equivalent Quotient (Dioxin) **TEQ**

TNTC Too Numerous To Count

Case Narrative

Client: Carmona Resources Job ID: 880-40069-1

Project: Fascinator C CTB Flare Fire (02.18.24)

Job ID: 880-40069-1 Eurofins Midland

Job Narrative 880-40069-1

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.

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

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Client: Carmona Resources

Project/Site: Fascinator C CTB Flare Fire (02.18.24)

Job ID: 880-40069-1 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-40069-1 Matrix: Solid

Date Received: 02/28/24 14:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/29/24 13:08	03/01/24 01:47	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/29/24 13:08	03/01/24 01:47	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/29/24 13:08	03/01/24 01:47	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		02/29/24 13:08	03/01/24 01:47	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/29/24 13:08	03/01/24 01:47	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/29/24 13:08	03/01/24 01:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				02/29/24 13:08	03/01/24 01:47	1
1,4-Difluorobenzene (Surr)	111		70 - 130				02/29/24 13:08	03/01/24 01:47	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00404	U	0.00404		mg/Kg			03/01/24 01:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	ı	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg				03/01/24 11:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.6	U	49.6		mg/Kg		02/29/24 15:18	03/01/24 11:10	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.6	U *+ *1	49.6		mg/Kg		02/29/24 15:18	03/01/24 11:10	1
C10-C28)									
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		02/29/24 15:18	03/01/24 11:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	01		70 130				02/20/24 15:18	03/01/24 11:10	

Method: EPA 300.0 - Anions, Ion Chromato	graphy - Soluble				
o-Terphenyl	80	70 - 130	02/29/24 15:18	03/01/24 11:10	1
1-Chlorooctane	94	70 - 130	02/29/24 15:18	03/01/24 11:10	1

	Method: EPA 300.0 - Anions, Ion Chromatography - Soluble											
Analyte Result Qualifier RL MDL Unit D Prepared Analyzed										Dil Fac		
	Chloride	108		5.00		mg/Kg			02/29/24 08:47	1		

Client Sample ID: H-2 (0-0.5') Lab Sample ID: 880-40069-2

Date Collected: 02/26/24 00:00 Date Received: 02/28/24 14:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/29/24 13:08	03/01/24 02:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/29/24 13:08	03/01/24 02:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/29/24 13:08	03/01/24 02:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/29/24 13:08	03/01/24 02:08	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/29/24 13:08	03/01/24 02:08	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/29/24 13:08	03/01/24 02:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				02/29/24 13:08	03/01/24 02:08	1
1,4-Difluorobenzene (Surr)	111		70 - 130				02/29/24 13:08	03/01/24 02:08	1

Eurofins Midland

Matrix: Solid

Client: Carmona Resources

Project/Site: Fascinator C CTB Flare Fire (02.18.24)

Job ID: 880-40069-1

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: 880-40069-2

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/01/24 02:08	1
Method: SW846 8015 NM - Diese	Range Organ	ics (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 11:32	1
- Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.6	U	49.6		mg/Kg		02/29/24 15:18	03/01/24 11:32	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.6	U *+ *1	49.6		mg/Kg		02/29/24 15:18	03/01/24 11:32	1
C10-C28)									
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		02/29/24 15:18	03/01/24 11:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				02/29/24 15:18	03/01/24 11:32	1
o-Terphenyl	84		70 - 130				02/29/24 15:18	03/01/24 11:32	1
Method: EPA 300.0 - Anions, Ion	Chromatogran	hv - Solubl	e						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	88.6	-	4.98		mg/Kg			02/29/24 09:10	

Client Sample ID: H-3 (0-0.5') Lab Sample ID: 880-40069-3

Date Collected: 02/26/24 00:00

Date Received: 02/28/24 14:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/29/24 13:08	03/01/24 02:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/29/24 13:08	03/01/24 02:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/29/24 13:08	03/01/24 02:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/29/24 13:08	03/01/24 02:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/29/24 13:08	03/01/24 02:28	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/29/24 13:08	03/01/24 02:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				02/29/24 13:08	03/01/24 02:28	1
1,4-Difluorobenzene (Surr)	111		70 - 130				02/29/24 13:08	03/01/24 02:28	1
		culation	70 - 130				02/29/24 13:08	03/01/24 02:28	1
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte	- Total BTEX Cald	culation Qualifier	70 ₋ 130 RL	MDL	Unit	D	02/29/24 13:08 Prepared	03/01/24 02:28 Analyzed	1 Dil Fac
Method: TAL SOP Total BTEX	- Total BTEX Cald	Qualifier		MDL	Unit mg/Kg	<u>D</u>			Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Calc Result <0.00400	Qualifier U	RL	MDL		<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	- Total BTEX Cald Result <0.00400 esel Range Organ	Qualifier U	RL	MDL	mg/Kg	<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte	- Total BTEX Cald Result <0.00400 esel Range Organ	Qualifier U ics (DRO) (Qualifier	RL 0.00400		mg/Kg	<u> </u>	Prepared	Analyzed 03/01/24 02:28	1
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Calc Result <0.00400 esel Range Organ Result <50.2	Qualifier U ics (DRO) (Qualifier U	RL 0.00400 ———————————————————————————————		mg/Kg	<u> </u>	Prepared	Analyzed 03/01/24 02:28 Analyzed	1
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D	- Total BTEX Calc Result <0.00400 esel Range Organ Result <50.2 iesel Range Orga	Qualifier U ics (DRO) (Qualifier U	RL 0.00400 ———————————————————————————————		mg/Kg Unit mg/Kg	<u> </u>	Prepared	Analyzed 03/01/24 02:28 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <0.00400 esel Range Organ Result <50.2 iesel Range Orga	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	RL 0.00400 GC) RL 50.2 (GC)	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 03/01/24 02:28 Analyzed 03/01/24 11:53	1

Eurofins Midland

C10-C28)

Matrix: Solid

Job ID: 880-40069-1

Client: Carmona Resources Project/Site: Fascinator C CTB Flare Fire (02.18.24)

SDG: Lea County, New Mexico

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

Lab Sample ID: 880-40069-3

Date Collected: 02/26/24 00:00 Date Received: 02/28/24 14:05 Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		02/29/24 15:18	03/01/24 11:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				02/29/24 15:18	03/01/24 11:53	1
o-Terphenyl	83		70 - 130				02/29/24 15:18	03/01/24 11:53	1
Analyte	Result								
<u> </u>			4 95		ma/Ka			02/29/24 09:17	1
Chloride	76.5		4.95		mg/Kg		Lab Cam	02/29/24 09:17	1
Chloride			4.95		mg/Kg		Lab Sam	02/29/24 09:17 ple ID: 880-4	0 069-4
			4.95		mg/Kg		Lab Sam	ple ID: 880-4	1 0069-4 x: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00198	U	0.00198		mg/Kg		02/29/24 13:08	03/01/24 02:49	
Toluene	<0.00198	U	0.00198		mg/Kg		02/29/24 13:08	03/01/24 02:49	
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/29/24 13:08	03/01/24 02:49	
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/29/24 13:08	03/01/24 02:49	
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/29/24 13:08	03/01/24 02:49	
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/29/24 13:08	03/01/24 02:49	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	107		70 - 130				02/29/24 13:08	03/01/24 02:49	
1,4-Difluorobenzene (Surr)	103		70 - 130				02/29/24 13:08	03/01/24 02:49	
Method: TAL SOP Total BTEX - 1	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00396	U	0.00396		mg/Kg			03/01/24 02:49	
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<50.4	U	50.4		mg/Kg			03/01/24 12:15	
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		02/29/24 15:18	03/01/24 12:15	
Diesel Range Organics (Over C10-C28)	<50.4	U *+ *1	50.4		mg/Kg		02/29/24 15:18	03/01/24 12:15	
Oll Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		02/29/24 15:18	03/01/24 12:15	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	110		70 - 130				02/29/24 15:18	03/01/24 12:15	
o-Terphenyl	93		70 - 130				02/29/24 15:18	03/01/24 12:15	
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
					mg/Kg				

Surrogate Summary

Client: Carmona Resources

Project/Site: Fascinator C CTB Flare Fire (02.18.24)

Job ID: 880-40069-1

SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-40068-A-1-D MS	Matrix Spike	95	96	
880-40068-A-1-E MSD	Matrix Spike Duplicate	102	102	
880-40069-1	H-1 (0-0.5')	95	111	
880-40069-2	H-2 (0-0.5')	109	111	
880-40069-3	H-3 (0-0.5')	117	111	
880-40069-4	H-4 (0-0.5')	107	103	
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)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(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	
880-40069-1	H-1 (0-0.5')	94	80	
880-40069-2	H-2 (0-0.5')	97	84	
880-40069-3	H-3 (0-0.5')	95	83	
880-40069-4	H-4 (0-0.5')	110	93	
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+	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: Carmona Resources

Job ID: 880-40069-1 Project/Site: Fascinator C CTB Flare Fire (02.18.24) SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-74189/5-A

Lab Sample ID: MB 880-74384/5-A

Matrix: Solid

Matrix: Solid

Analysis Batch: 74314

Analysis Batch: 74314

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 74189

	IVID	IVID							
Analyte	Result	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

MB MB

MR MR

MD MD

Surrogate	%Recovery Qualifie	r 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

Client Sample ID: Method Blank

02/29/24 23:56

Prep Type: Total/NA

Prep Batch: 74384

Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac mg/Kg Benzene <0.00200 U 0.00200 02/29/24 13:08 02/29/24 23:56 Toluene <0.00200 U 0.00200 mg/Kg 02/29/24 13:08 02/29/24 23:56 Ethylbenzene <0.00200 U 0.00200 mg/Kg 02/29/24 13:08 02/29/24 23:56 02/29/24 23:56 <0.00400 U 02/29/24 13:08 m-Xylene & p-Xylene 0.00400 mg/Kg <0.00200 U 02/29/24 23:56 o-Xylene 0.00200 mg/Kg 02/29/24 13:08

0.00400

mg/Kg

MB MB

<0.00400 U

Surrogate	%Recovery	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

Matrix: Solid

Xylenes, Total

Analysis Batch: 74314

Client Sample ID: Lab Control Sample

02/29/24 13:08

Prep Type: Total/NA Prep Batch: 74384

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%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	

LCS LCS

Surrogate	%Recovery Qu	alifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1.4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-74384/2-A

Matrix: Solid

Analysis Batch: 74314

Client Sample ID: Lab	Control Sample Dup
	Donner Towner To to 1/81 A

Prep Type: Total/NA

Prep Batch: 74384

	Бріке	LCSD LCS				%Rec		KPD
Analyte	Added	Result Qua	alifier Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09672	mg/Kg		97	70 - 130	2	35

Client: Carmona Resources

Project/Site: Fascinator C CTB Flare Fire (02.18.24)

Job ID: 880-40069-1 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

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
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-A-1-D MS

Matrix: Solid

Analysis Batch: 74314

Client	Sample ID:	: Matrix	Spike
	Pron T	vne: Tot	al/NΔ

Prep Batch: 74384

MS MS Sample Sample Spike %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Benzene 0.08814 87 <0.00198 0.101 mg/Kg 70 - 130 Toluene <0.00198 U 0.101 0.07729 77 70 - 130 mg/Kg Ethylbenzene <0.00198 U 0.101 0.08157 70 - 130 mg/Kg 81 m-Xylene & p-Xylene <0.00396 U 0.202 0.1710 85 70 - 130 mg/Kg o-Xylene <0.00198 U 0.101 0.08804 mg/Kg 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-A-1-E MSD

Matrix: Solid

Analysis Batch: 74314

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 74384

-	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
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	76Recovery	Qualifier	LIIIIII
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

(GRO)-C6-C10

мв мв Result Qualifier MDL Unit Prepared Gasoline Range Organics <50.0 U 50.0 02/29/24 15:18 03/01/24 06:27 mg/Kg

QC Sample Results

Client: Carmona Resources

Project/Site: Fascinator C CTB Flare Fire (02.18.24)

Job ID: 880-40069-1

SDG: Lea County, New Mexico

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

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

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

Matrix: Solid

Matrix: Solid

Analysis Batch: 74445

Analysis Batch: 74445

Prep Type: Total/NA

Prep Batch: 74398

ı										
	Analyte	Result	Qualifier	RL	MDL U	Jnit	D	Prepared	Analyzed	Dil Fac
	Diesel Range Organics (Over	<50.0	U	50.0	n	ng/Kg		02/29/24 15:18	03/01/24 06:27	1
	C10-C28)									
	Oll Range Organics (Over C28-C36)	<50.0	U	50.0	n	ng/Kg		02/29/24 15:18	03/01/24 06:27	1

MB MB

MR MR

Surrogate	%Recovery	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

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 74398

LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits Gasoline Range Organics 1000 876.9 mg/Kg 88 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over 1000 1332 *+ 133 70 - 130 mg/Kg C10-C28)

LCS LCS

LCSD LCSD

Surrogate	%Recovery	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 Du	р
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Prep Type: Total/NA

Prep Batch: 74398

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

	LUJD	LUJD	
Surrogate	%Recovery	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

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

C10-C28)

	IVIS	IVIS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenyl	76		70 - 130

Eurofins Midland

Client: Carmona Resources

Project/Site: Fascinator C CTB Flare Fire (02.18.24)

Job ID: 880-40069-1

SDG: Lea County, New Mexico

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Client Sample ID: Matrix Spike

Client Sample ID: Matrix Spike Duplicate

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	<49.7	U	1010	1272		mg/Kg		123	70 - 130		20	
(GRO)-C6-C10												
Diesel Range Organics (Over	<49.7	U *+ *1	1010	970.4		mg/Kg		94	70 - 130	6	20	
040 000)												

C10-C28)

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 880-74274/1-A

Matrix: Solid

Analysis Batch: 74302

MB MB

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

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

Matrix: Solid

Analysis Batch: 74302

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

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

Matrix: Solid

Analysis Batch: 74302

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

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

Matrix: Solid

Analysis Batch: 74302

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

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

Matrix: Solid

Analysis Batch: 74302											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	85.0		252	328.3		ma/Ka		97	90 - 110	2	20

Eurofins Midland

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QC Association Summary

Client: Carmona Resources

Project/Site: Fascinator C CTB Flare Fire (02.18.24)

Job ID: 880-40069-1 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
880-40069-1	H-1 (0-0.5')	Total/NA	Solid	8021B	74384
880-40069-2	H-2 (0-0.5')	Total/NA	Solid	8021B	74384
880-40069-3	H-3 (0-0.5')	Total/NA	Solid	8021B	74384
880-40069-4	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-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	74384
880-40068-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	74384

Prep Batch: 74384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40069-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-40069-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-40069-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-40069-4	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-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
880-40068-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 74481

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40069-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-40069-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-40069-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-40069-4	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
880-40069-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-40069-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-40069-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-40069-4	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-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
880-40069-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	74398

Eurofins Midland

Page 14 of 22

QC Association Summary

Client: Carmona Resources

Project/Site: Fascinator C CTB Flare Fire (02.18.24)

Job ID: 880-40069-1 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
880-40069-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	74398
880-40069-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	74398
880-40069-4	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-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: 74670

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method Prep Batch
880-40069-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM
880-40069-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM
880-40069-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM
880-40069-4	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
880-40069-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-40069-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-40069-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-40069-4	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-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-40068-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 74302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40069-1	H-1 (0-0.5')	Soluble	Solid	300.0	74274
880-40069-2	H-2 (0-0.5')	Soluble	Solid	300.0	74274
880-40069-3	H-3 (0-0.5')	Soluble	Solid	300.0	74274
880-40069-4	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-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	74274
880-40068-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	74274

Eurofins Midland

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Lab Chronicle

Client: Carmona Resources

Project/Site: Fascinator C CTB Flare Fire (02.18.24)

Lab Sample ID: 880-40069-1

SDG: Lea County, New Mexico

Matrix: Solid

Job ID: 880-40069-1

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

Date Collected: 02/26/24 00:00 Date Received: 02/28/24 14:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 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 01:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74481	03/01/24 01:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			74670	03/01/24 11:10	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 11:10	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	74274	02/28/24 14:59	СН	EET MID
Soluble	Analysis	300.0		1			74302	02/29/24 08:47	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

	Matrix:	Solid

Lab Sample ID: 880-40069-2

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 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 02:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74481	03/01/24 02:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			74670	03/01/24 11:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 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 11:32	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	74274	02/28/24 14:59	СН	EET MID
Soluble	Analysis	300.0		1			74302	02/29/24 09:10	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: 880-40069-3
------------	-----------------

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 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 02:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74481	03/01/24 02:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			74670	03/01/24 11:53	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 11:53	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 09:17	CH	EET MID

Date Collected: 02/26/24 00:00

Date Received: 02/28/24 14:05

Client Sam	ple ID: H-4 (0	-0.5')					Lab Samp	ole ID:	880-40069-4
Soluble	Analysis	300.0	1			74302	02/29/24 09:17	CH	EET MID
Soluble	Leach	DI Leach		5.05 g	50 mL	74274	02/28/24 14:59	СН	EET MID
Total/NA	Analysis	8015B NM	1	1 uL	1 uL	74445	03/01/24 11:53	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	8015 NM	1			74670	03/01/24 11:53	SM	EET MID

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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 02:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74481	03/01/24 02:49	SM	EET MID

Eurofins Midland

Matrix: Solid

Lab Chronicle

Client: Carmona Resources

Project/Site: Fascinator C CTB Flare Fire (02.18.24)

Job ID: 880-40069-1

SDG: Lea County, New Mexico

Lab Sample ID: 880-40069-4

Matrix: Solid

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

Date Received: 02/28/24 14:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			74670	03/01/24 12:15	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 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 12:15	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	74274	02/28/24 14:59	СН	EET MID
Soluble	Analysis	300.0		1			74302	02/29/24 09:24	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: Fascinator C CTB Flare Fire (02.18.24)

Job ID: 880-40069-1 SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Progra	am	Identification Number	Expiration Date
Texas	NELA	Р	T104704400-23-26	06-30-24
,	are included in this report, bu	it the laboratory is not certif	fied by the governing authority. This lis	t may include analytes
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	Total TPH	
Total BTEX		Solid	Total BTEX	

Method Summary

Client: Carmona Resources

Method

Total BTEX 8015 NM

8015B NM

8015NM Prep

DI Leach

300.0

5035

8021B

Project/Site: Fascinator C CTB Flare Fire (02.18.24)

Method Description

Total BTEX Calculation

Volatile Organic Compounds (GC)

Diesel Range Organics (DRO) (GC)

Diesel Range Organics (DRO) (GC)

Deionized Water Leaching Procedure

Anions, Ion Chromatography

Closed System Purge and Trap

Job ID: 880-40069-1

SDG: Lea County, New Mexico

EET MID

EET MID

Protocol	Laboratory
SW846	EET MID
TAL SOP	EET MID
SW846	EET MID
SW846	EET MID
EPA	EET MID
SW846	EET MID

SW846

ASTM

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

Microextraction

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

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Sample Summary

Client: Carmona Resources

Project/Site: Fascinator C CTB Flare Fire (02.18.24)

Job ID: 880-40069-1

SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-40069-1	H-1 (0-0.5')	Solid	02/26/24 00:00	02/28/24 14:05
880-40069-2	H-2 (0-0.5')	Solid	02/26/24 00:00	02/28/24 14:05
880-40069-3	H-3 (0-0.5')	Solid	02/26/24 00:00	02/28/24 14:05
880-40069-4	H-4 (0-0.5')	Solid	02/26/24 00:00	02/28/24 14:05

Chain of Custody



Project Manager	Conner M	/loehring				Bill to: (if d	lifferent)		Carm	ona Re	SOUTC	es				7				\A/	0 ek 0	· ·	Comment		
Company Name.	Carmona	Resour	ces			Company									•	١.	Broar	.m. 110	eT/De				nfields		О П
Address [.]	310 W W	all St St	e 500			Address.					-						State			י ו	KP [_srowi	ifields L	KKC	_uperfund _
City, State ZIP	Midland,	TX 7970)1			City, Stat	e 7IP									1			•		el III	Пьет	иет Пи	ا معد	Level IV
Phone	432-813-6	6823			Email	mcarmo		monare	SOURCE	es con	n		***************************************		······································	-	Deliver					ADaP	· · · · · · · · · · · · · · · · · · ·	Other	T reverso T
Project Name	Fa	ecinator	C CTD Flo	re Fire (02 21 24)	I					0 001														70101	
Project Number	<u> </u>	ascinator	2286		Routine	Around Rush	i	Pres.	ļ			Т		NAL'	/SIS F	EQL	JEST						Pres	ervativ	ve Codes
Project Location						T		Code			<u> </u>	╁──	 										None NO		DI Water [.] H₂O
Sampler's Name	 	Lea	a County, No GPJ/I		Due Date.	72	HR			6					1				ļ				Cool. Cool		МеОН Ме
PO#:			Gron		1					+ MRO)													HCL HC		HNO₃ HN
SAMPLE RECE	IPT	Теграр	Blank:	Yes (No	Wet Ice:	Yes	No	Parameters	_	စ္တဲ့													H ₂ SO ₄ H ₂		NaOH Na
Received Intact:		(Ves)		Thermometer ID	1 Westice.	FX		ame	BTEX 8021B	+ DRO	300.0		[H₃PO₄ HP		
Cooler Custody Seal	ls.	Yes N		Correction Factor	······································			Par	EX 8	8015M (GRO	Chloride		ł									1	NaHSO₄ N		
Sample Custody Sea	als	Yes N	o (N/A	Temperature Reading:		-1.6	8		BT	E W	l ä												Na ₂ S ₂ O ₃ N Zn Acetate		l 7n
Total Containers.				Corrected Temperature:		-1.	7											1				1	NaOH+Aso		
Sample Ide	ntification		Date	Tíme	Soil	Water	Grab/ Comp	# of Cont		TP.															mments
H-1 (0-	-0 5')		2/26/2024		х		G	1	Х	Х	X		·				-+					 			
H-2 (0-	-0 5')		2/26/2024		Х		G	1	Х	Х	х						-				 	 	<u> </u>		
H-3 (0-	-0 5')		2/26/2024		X		G	1	Х	Х	X	 					$\neg \dagger$					 			····
H-4 (0-	-0 5')		2/26/2024		Х		G	1	Х	Х	Х	1					-				 	 			
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																					I	 		-	
																									
																						 			
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																						T			
Comments. Ema	il to Mike	Carmor	na / Mcarmo	ona@carmonaresource	s.com and Co	nner Mo	ehring /	Cmoeh	ring@	carm	onare	esourc	es cor	n											
			Relinquiel	ned by (Signature)		*****				F:		7			,										
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	-																								











Received by OCD: 4/2/2024 8:43:12 AM

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-40069-1

SDG Number: Lea County, New Mexico

List Source: Eurofins Midland

Login Number: 40069
List Number: 1

Creator: Rodriguez, Leticia

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	N/A	

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<6mm (1/4").



March 13, 2024

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: FASCINATOR C CTB FLARE FIRE (02.21.24)

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/ga/lab accred certif.html.

Cardinal Laboratories is accreditated 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)

Celey D. Keene

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,

Celey D. Keene

Lab Director/Quality Manager



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
Project Name: FASCINATOR C CTB FLARE FIRE (02.21.2

Sampling Type: Soil

Project Number: 2286

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Project Location: LEA COUNTY, NEW MEXICO

Sample ID: CS - 1 (1') (H241270-01)

BTEX 8021B	mg,	/kg	Analyze	d 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	2.23	112	2.00	6.09	
Toluene*	<0.050	0.050	03/13/2024	ND	2.19	110	2.00	6.16	
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.14	107	2.00	6.00	
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.26	104	6.00	6.38	
Total BTEX	<0.300	0.300	03/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.3	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d 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	207	103	200	1.65	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	207	104	200	4.07	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					
Surrogate: 1-Chlorooctane	78.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	75.4	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

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

Fax To:

Received: 03/12/2024 03/13/2024 Sampling Date: 03/12/2024 Sampling Type: Soil

Reported: Project Name:

BTEX 8021B

FASCINATOR C CTB FLARE FIRE (02.21.2

Cool & Intact

Project Number: 2286 Sampling Condition: Sample Received By:

Tamara Oldaker

Project Location: LEA COUNTY, NEW MEXICO

mg/kg

Sample ID: CS - 2 (1') (H241270-02)

DILX GOZID	ıııg,	, kg	Andryzo	u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2024	ND	2.23	112	2.00	6.09	
Toluene*	<0.050	0.050	03/13/2024	ND	2.19	110	2.00	6.16	
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.14	107	2.00	6.00	
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.26	104	6.00	6.38	
Total BTEX	<0.300	0.300	03/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.4	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d 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	207	103	200	1.65	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	207	104	200	4.07	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					
Surrogate: 1-Chlorooctane	89.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.1	% 49.1-14	8						

Analyzed By: JH

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

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

Received: 03/12/2024 Reported: 03/13/2024 Sampling Date: 03/1
Sampling Type: Soil

03/12/2024

Project Name:

BTEX 8021B

03/13/2024 FASCINATOR C CTB FLARE FIRE (02.21.2

mg/kg

Sampling Condition:

Cool & Intact

Project Number:

2286

Sample Received By:

Tamara Oldaker

Project Location: LEA COUNTY, NEW MEXICO

Sample ID: CS - 3 (1') (H241270-03)

DILX GOZID	ıııg,	, kg	Andryzo	u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2024	ND	2.23	112	2.00	6.09	
Toluene*	<0.050	0.050	03/13/2024	ND	2.19	110	2.00	6.16	
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.14	107	2.00	6.00	
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.26	104	6.00	6.38	
Total BTEX	<0.300	0.300	03/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d 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	207	103	200	1.65	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	207	104	200	4.07	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					
Surrogate: 1-Chlorooctane	87.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.7	% 49.1-14	8						

Analyzed By: JH

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Celey D. Keine



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 Project Name: FASCINATOR C CTB FLARE FIRE (02.21.2 Sampling Type: Soil

Project Number: 2286 Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Project Location: LEA COUNTY, NEW MEXICO

Sample ID: CS - 4 (1') (H241270-04)

BTEX 8021B	mg/	/kg	Analyze	d 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	2.23	112	2.00	6.09	
Toluene*	<0.050	0.050	03/13/2024	ND	2.19	110	2.00	6.16	
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.14	107	2.00	6.00	
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.26	104	6.00	6.38	
Total BTEX	<0.300	0.300	03/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.3	% 71.5-13	4						
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	Analyze	d 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	207	103	200	1.65	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	207	104	200	4.07	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					
Surrogate: 1-Chlorooctane	100 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.9	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Fax To:

Received: 03/12/2024 Reported: 03/13/2024 Sampling Date: 03/12/2024 Sampling Type: Soil

Project Name:

FASCINATOR C CTB FLARE FIRE (02.21.2

Sampling Condition: Cool & Intact

Project Number: 2286 Sample Received By: Tamara Oldaker

Project Location: LEA COUNTY, NEW MEXICO

Sample ID: CS - 5 (1') (H241270-05)

BTEX 8021B	mg/	'kg	Analyze	d 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	2.23	112	2.00	6.09	
Toluene*	<0.050	0.050	03/13/2024	ND	2.19	110	2.00	6.16	
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.14	107	2.00	6.00	
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.26	104	6.00	6.38	
Total BTEX	<0.300	0.300	03/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.0	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d 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	Analyze	d 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	207	103	200	1.65	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	207	104	200	4.07	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					
Surrogate: 1-Chlorooctane	95.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.1	% 49.1-14	8						

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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 Reported:

Sampling Date:

03/12/2024

Project Name:

03/13/2024

Sampling Type:

Soil

BTEX 8021B

FASCINATOR C CTB FLARE FIRE (02.21.2

mg/kg

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number:

2286

Project Location: LEA COUNTY, NEW MEXICO

Sample ID: CS - 6 (1') (H241270-06)

DILX GOZID	ıııg,	, kg	Andryzo	.u Dy. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2024	ND	2.23	112	2.00	6.09	
Toluene*	<0.050	0.050	03/13/2024	ND	2.19	110	2.00	6.16	
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.14	107	2.00	6.00	
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.26	104	6.00	6.38	
Total BTEX	<0.300	0.300	03/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.1	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed 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	Analyze	ed 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	207	103	200	1.65	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	207	104	200	4.07	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.1	% 49.1-14	8						

Analyzed By: JH

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Tamara Oldaker

Analytical Results For:

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

Received: 03/12/2024 Reported: 03/13/2024

03/12/2024Sampling Date:03/12/202403/13/2024Sampling Type:SoilFASCINATOR C CTB FLARE FIRE (02.21.2Sampling Condition:Cool & Intact

Sample Received By:

Project Number: 2286

Project Name:

BTEX 8021B

Project Location: LEA COUNTY, NEW MEXICO

mg/kg

98.3 %

49.1-148

Sample ID: CS - 7 (1') (H241270-07)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2024	ND	2.23	112	2.00	6.09	
Toluene*	<0.050	0.050	03/13/2024	ND	2.19	110	2.00	6.16	
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.14	107	2.00	6.00	
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.26	104	6.00	6.38	
Total BTEX	<0.300	0.300	03/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.8 %	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d 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	Analyze	d 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	207	103	200	1.65	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	207	104	200	4.07	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					

Analyzed By: JH

Cardinal Laboratories

Surrogate: 1-Chlorooctadecane

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Celey D. Keene



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
Project Name: FASCINATOR C CTB FLARE FIRE (02.21.2

Sampling Type: Soil

Project Number: 2286

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Project Number: 2286

Project Location: LEA COUNTY, NEW MEXICO

Sample ID: CS - 8 (1') (H241270-08)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2024	ND	2.23	112	2.00	6.09	
Toluene*	<0.050	0.050	03/13/2024	ND	2.19	110	2.00	6.16	
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.14	107	2.00	6.00	
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.26	104	6.00	6.38	
Total BTEX	<0.300	0.300	03/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.0	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed 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	207	103	200	1.65	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	207	104	200	4.07	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					
Surrogate: 1-Chlorooctane	81.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.9	% 49.1-14	8						

Applyzod By: 14

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Celey D. Keine



Analytical Results For:

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

Received: 03/12/2024 Reported: 03/13/2024 Sampling Date: 03/12/2024 Sampling Type: Soil

Project Name:

BTEX 8021B

FASCINATOR C CTB FLARE FIRE (02.21.2 Sampling Condition:

Analyzed By: JH

Project Number: 2286

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Project Location: LEA COUNTY, NEW MEXICO

mg/kg

Sample ID: CS - 9 (1') (H241270-09)

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2024	ND	2.23	112	2.00	6.09	
Toluene*	<0.050	0.050	03/13/2024	ND	2.19	110	2.00	6.16	
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.14	107	2.00	6.00	
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.26	104	6.00	6.38	
Total BTEX	<0.300	0.300	03/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.7	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d 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	207	103	200	1.65	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	207	104	200	4.07	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					
Surrogate: 1-Chlorooctane	93.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.0	% 49.1-14	8						

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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: Project Name: 03/13/2024 FASCINATOR C CTB FLARE FIRE (02.21.2 Sampling Type: Soil

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number: 2286

Project Location: LEA COUNTY, NEW MEXICO

Sample ID: CS - 10 (1') (H241270-10)

BTEX 8021B	mg,	/kg	Analyze	d 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	2.23	112	2.00	6.09	
Toluene*	<0.050	0.050	03/13/2024	ND	2.19	110	2.00	6.16	
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.14	107	2.00	6.00	
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.26	104	6.00	6.38	
Total BTEX	<0.300	0.300	03/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.1	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	207	103	200	1.65	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	207	104	200	4.07	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					
Surrogate: 1-Chlorooctane	102 :	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.2	% 49.1-14	8						

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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 Reported: 03/13/2024 Sampling Date: 03/12/2024 Sampling Type: Soil

Project Name:

FASCINATOR C CTB FLARE FIRE (02.21.2

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Project Number: 2286

Project Location: LEA COUNTY, NEW MEXICO

Sample ID: CS - 11 (1') (H241270-11)

BTEX 8021B	mg/	kg	Analyze	d 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	2.23	112	2.00	6.09	
Toluene*	<0.050	0.050	03/13/2024	ND	2.19	110	2.00	6.16	
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.14	107	2.00	6.00	
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.26	104	6.00	6.38	
Total BTEX	<0.300	0.300	03/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d 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	Analyze	d 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	207	103	200	1.65	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	207	104	200	4.07	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					
Surrogate: 1-Chlorooctane	81.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.5	% 49.1-14	8						

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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 Reported: 03/13/2024 Sampling Date: 03/12/2024 Sampling Type: Soil

Project Name:

FASCINATOR C CTB FLARE FIRE (02.21.2

Sampling Condition:

Project Number: 2286

Cool & Intact Sample Received By: Tamara Oldaker

Project Location: LEA COUNTY, NEW MEXICO

Sample ID: CS - 12 (1') (H241270-12)

BTEX 8021B	mg/	kg	Analyze	d 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	2.23	112	2.00	6.09	
Toluene*	<0.050	0.050	03/13/2024	ND	2.19	110	2.00	6.16	
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.14	107	2.00	6.00	
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.26	104	6.00	6.38	
Total BTEX	<0.300	0.300	03/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d 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	Analyze	d 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	184	92.2	200	2.39	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	207	103	200	1.06	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					
Surrogate: 1-Chlorooctane	83.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.4	% 49.1-14	8						

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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
Project Name: FASCINATOR C CTB FLARE FIRE (02.21.2

Sampling Type: Soil

Project Number: 2286

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Project Location: LEA COUNTY, NEW MEXICO

Sample ID: SW - 1 (1') (H241270-13)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: ЈН					
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	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed 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	Analyze	ed 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	184	92.2	200	2.39	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	207	103	200	1.06	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					
Surrogate: 1-Chlorooctane	83.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.1	% 49.1-14	8						

Applyzod By: 14

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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: FASCINATOR C CTB FLARE FIRE (02.21.2 Sampling Condition: Cool & Intact Sample Received By: Project Number: 2286 Tamara Oldaker

Project Location: LEA COUNTY, NEW MEXICO

Sample ID: SW - 2 (1') (H241270-14)

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	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 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d 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	Analyze	d 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	184	92.2	200	2.39	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	207	103	200	1.06	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					
Surrogate: 1-Chlorooctane	88.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.5	% 49.1-14	8						

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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 FASCINATOR C CTB FLARE FIRE (02.21.2 Sampling Type: Soil

Project Name: Project Number: 2286 Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Project Location: LEA COUNTY, NEW MEXICO

Sample ID: SW - 3 (1') (H241270-15)

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	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d 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	184	92.2	200	2.39	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	207	103	200	1.06	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					
Surrogate: 1-Chlorooctane	94.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.2	% 49.1-14	8						

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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 Reported:

Sampling Date:

03/12/2024

Project Name:

03/13/2024

mg/kg

Sampling Type:

Soil Cool & Intact

BTEX 8021B

FASCINATOR C CTB FLARE FIRE (02.21.2

Sampling Condition: Sample Received By:

Tamara Oldaker

Project Number: Project Location: 2286

LEA COUNTY, NEW MEXICO

Sample ID: SW - 4 (1') (H241270-16)

DILX GOZID	ıııg,	, kg	Andryzo	.u Dy. 311					
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	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed 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	Analyze	ed 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	184	92.2	200	2.39	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	207	103	200	1.06	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					
Surrogate: 1-Chlorooctane	92.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.4	% 49.1-14	8						

Analyzed By: JH

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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 Project Name: FASCINATOR C CTB FLARE FIRE (02.21.2 Sampling Type: Soil Sampling Condition: Cool & Intact

Project Number: 2286 Sample Received By: Tamara Oldaker

Project Location: LEA COUNTY, NEW MEXICO

Sample ID: SW - 5 (1') (H241270-17)

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	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 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d 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	Analyze	d 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	184	92.2	200	2.39	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	207	103	200	1.06	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					
Surrogate: 1-Chlorooctane	82.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.4	% 49.1-14	8						

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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
Project Name: FASCINATOR C CTB FLARE FIRE (02.21.2

Sampling Type: Soil
Sampling Condition: Cool & Intact

Project Number: 2286

Sample Received By: Tamara Oldaker

Project Location: LEA COUNTY, NEW MEXICO

Sample ID: SW - 6 (1') (H241270-18)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a 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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d 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	184	92.2	200	2.39	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	207	103	200	1.06	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					
Surrogate: 1-Chlorooctane	89.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.2	% 49.1-14	8						

Applyzod By: 14

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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 Reported: 03/13/2024 Sampling Date: 03/12/2024
Sampling Type: Soil

Project Name: FASC Project Number: 2286

FASCINATOR C CTB FLARE FIRE (02.21.2 Sampling Condition: Cool & Intact 2286 Sample Received By: Tamara Oldaker

Project Location: LEA COUNTY, NEW MEXICO

Sample ID: SW - 7 (1') (H241270-19)

BTEX 8021B	mg	/kg	Analyze	ed 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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed 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	184	92.2	200	2.39	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	207	103	200	1.06	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					
Surrogate: 1-Chlorooctane	85.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.1	% 49.1-14	8						

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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 Reported:

Sampling Date: 03/12/2024 03/13/2024 Sampling Type: Soil

Project Name:

FASCINATOR C CTB FLARE FIRE (02.21.2 Sampling Condition: Cool & Intact Project Number: 2286 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: LEA COUNTY, NEW MEXICO

mg/kg

Sample ID: SW - 8 (1') (H241270-20)

BTEX 8021B

DIEX GOZID	11197	, kg	Allulyzo	.u Dy. 311					
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	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed 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	184	92.2	200	2.39	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	207	103	200	1.06	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					
Surrogate: 1-Chlorooctane	88.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.4	% 49.1-14	8						

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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 Reported: 03/13/2024 Sampling Date: 03/12/2024

Reported: 03/13/2024
Project Name: FASCINATOR C CTB FLARE FIRE (02.21.2

Sampling Type: Soil

Project Number: 2286

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Project Location: LEA COUNTY, NEW MEXICO

Sample ID: SW - 9 (1') (H241270-21)

BTEX 8021B	mg,	/kg	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500CI-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	Analyze	d 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	184	92.2	200	2.39	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	207	103	200	1.06	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					
Surrogate: 1-Chlorooctane	77.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	74.2	% 49.1-14	8						

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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 Reported: 03/13/2024 Sampling Date: 03/12/2024 Sampling Type: Soil

Project Name: FASCINATOR C CTB FLARE FIRE (02.21.2

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Project Number: 2286

Project Location: LEA COUNTY, NEW MEXICO

Sample ID: SW - 10 (1') (H241270-22)

BTEX 8021B

DILX GOZID	11197	, kg	Allulyzo	.u Dy. 311					
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	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyze	ed 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		Analyze	ed 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	184	92.2	200	2.39	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	207	103	200	1.06	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					
Surrogate: 1-Chlorooctane	87.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.3	% 49.1-14	8						

Analyzed By: JH

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Notes and Definitions

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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Chain of Custody

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Project Manager:	Conner Moehring				Bill to: (if different) Carmona Resources						Work Order Comments												
Company Name:	ess: 310 W Wall St Ste 500				Company Name: Address: City, State ZIP:										\neg	Program: UST/PST PRP rownfields RRC uperfund							
Address:															\neg	State of Project: Reporting:Level Level Level Level Level Reporting:Level Reporting:Lev							
City, State ZIP:														\neg	Level								
Phone:	432-813-6823			Email:	mcarmo	mcarmona@carmonaresources.com								Deliverables: EDD									
Project Name:	Fa	scinator C CTB FI	are Fire (02.21.24)	Turn Around			ANALYSIS RE						REQI	QUEST						Preserva	tive Code		
Project Number:		228	6	Routine	h	Pres. Code															None: NO	DI Water	
Project Location	Lea County, New Mexico			Due Date:	24 HR										\Box							Cool: Cool	MeOH: N
Sampler's Name:		DD)						RO)		-											HCL: HC	HNO ₃ : H
PO #:							2		≥													H ₂ S0 ₄ : H ₂	NaOH: N
SAMPLE RECEIPT Received Intact: Cooler Custody Seals: Sample Custody Seals: Total Containers: Temp Blank: Yes No No No No No No No No No No		Yes No	Wet Ice:	(es No		Paramete	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	200		1										H₃PO₄: HP		
		Thermometer ID:				aran			Chloride 4500												NaHSO ₄ : NABIS	;	
		Correction Factor:				<u>a</u>			loric												Na ₂ S ₂ O ₃ : NaSO	3	
		Temperature Reading: Corrected Temperature:		5,/c			in in	8M	5		1										Zn Acetate+Na0	H: Zn	
							1 80											-		NaOH+Ascorbio	Acid: SAP		
Sample Iden	tification	Date	Time	Soil	Water	Grab/ Comp	# of Cont		Į.													Sample 0	comment
CS-1 ((1')	3/12/2024		Х	-	С	1	Х	Х	Х								\Box		\neg	\Box		
CS-2 ((1')	3/12/2024		Х		С	1	Х	Х	Х										\neg			
CS-3 (1')	3/12/2024		Х		С	1	Х	Х	Х		\vdash						П		\neg			
CS-4 (1')	3/12/2024		Х		С	1	Х	Х	Х										\neg			
CS-5 (1')	3/12/2024		Х		С	1	Х	Х	Х			7										
CS-6 (1')	3/12/2024		Х		С	1	Х	Х	Х													
CS-7 (1')	3/12/2024		Х		С	1	Х	Х	Х										\neg	\neg		
CS-8 (1')	3/12/2024		Х		С	1	Х	Х	Х										\neg	\neg		
CS-9 (1')	3/12/2024		Х		С	1	Х	Х	Х								\Box		\neg			
	(1')	3/12/2024		Х		С	1	Х	Х	Х											\neg		
CS-10			_	s com and Cor	nner Mo	ehring /	Cmoeh	ring@	carmo	onares	source	es.cor	m										
	to Mike C	Carmona / Mcarm	ona@carmonaresource	3.0011 4114 001																			
	to Mike C		ona@carmonaresource	3.00111 4110 001			State Laborate	Date/I					b	· ///	Recei	ved by	y: (Sig	mature		9		1	Date/Time
	to Mike C			s.com and cor			3-12-	National St	ime 170	00	<u></u>	1		ul de la companya de	Recei	ved by	y: (Sig	mature	N. K.	9		[Date/Time
CS-10 Comments: Email	to Mike C			s.com and cor			State Laborate	National St		00	0	J			Recei	ved by	y: (\$ig	mature	J.K.	9		1	Date/Time

Received by OCD: 4/2/2024 8:43:12 A製 6マンから大のこ

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Chain of Custody

Work Order No: <u>H2412</u>70

Page 26 of 27

Project Manager:	Conn	er Moehi	ring													_	SECOND	CONTRACT OF					Pa	ge2	of	_3
Company Name:		ona Res				Bill to: (i			Carr	nona F	Resour	ces		Work Order Comments												
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Phone:	432-8	13-6823			Emai	l: mcarm	ona@ca	rmonare	esourc	es.co	m_						Deliv	erables	ED:	D \square	,	ADaP	T 🗆	Other:		
Project Name:		Fascina	ator C CTB Fla	are Fire (02.21.24)	Turi	Around								ANAI	YSIS	REO	UEST						_ n			
Project Number:			228	6	Routine	✓ Rus	h	Pres. Code		T	Т	T	T		1	T.L.G		Т		Т	T				tive Code	
Project Location			Lea County, N	New Mexico	Due Date:	24	HR				\vdash	T				\vdash	\vdash			\vdash	+	\vdash	None: I		DI Water:	-
Sampler's Name:			DD							l ô													Cool: C		MeOH: M	-
PO #:		7.00 Contract						e e		TPH 8015M (GRO + DRO + MRO)													H ₂ SO ₄ :		HNO ₃ : HN NaOH: Na	
SAMPLE RECEI	PT		mp Blank:	Yes No	Wet Ice:	Yes	No	Parameters	<u>_</u>	8	8						1			1			H ₃ PO ₄ :	_	NaOn. Na	' I
Received Intact:			s No	Thermometer ID:		14	0	ıram	802	1 .	le 46) ₄ : NABIS		
Cooler Custody Seals	Charles and Colored	Yes		Correction Factor:		-		ď	BTEX 8021B	GR	Chloride 4500						ı							3: NaSO		
Sample Custody Sea Total Containers:	IS:	Yes	No N/A	Temperature Reading:		, ک	12			15M	5													tate+NaC	•	
Total Containers.		CONTROL DE		Corrected Temperature:		_				8 H								.		i			NaOH+	Ascorbic	Acid: SAPO	, [
Sample Iden		on	Date	Time	Soil	Water	Grab/ Comp	# of Cont		₽													S	ample C	omments	
CS-11	. ,		3/12/2024		Х		С	1	Х	Х	Х							\vdash			\vdash	\vdash				
CS-12	. ,		3/12/2024		Х		С	1	Х	Х	Х							\vdash			\vdash	\vdash	_			\dashv
SW-1 (3/12/2024		Х		С	1	Х	Х	Х		\vdash					\vdash		\vdash	Н	\vdash				\dashv
SW-2 (3/12/2024		Х		С	1	Х	Х	Х		\vdash								Н		_			\dashv
SW-3 (3/12/2024	*	Х		С	1	Х	Х	Х							\vdash		\vdash	\vdash					\dashv
SW-4 (3/12/2024		Х		С	1	Х	Х	Х									\vdash	\vdash	-1				\dashv
SW-5 (3/12/2024		Х		С	1	Х	Х	Х									\vdash	\vdash	-				\dashv
SW-6 (3/12/2024		Х		С	1	Х	Х	Х									\vdash	\vdash	\dashv				\dashv
SW-7 (3/12/2024		Х		С	1	Х	Х	Х							_	\neg	\vdash		\dashv				\dashv
SW-8 (1')		3/12/2024		Х		С	1	Х	Х	Х			\neg				\dashv	\dashv	\vdash		\dashv				-
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Chain of Custody

Project Manager:	Conner Moehring				Bill to: 6	f different)		Carn	none P	esource	96				\neg	Page3 of3											
Company Name:	Carmona R	desources			Bill to: (if different) Carmona Resources Company Name:								\dashv														
Address:	310 W Wall	I St Ste 500			Address:								\dashv	Program: UST/PST PRP rownfields RRC perfund State of Project:													
	Midland, TX					City, State ZIP:													State of Project: Reporting:Level II Level III PST/UST RRP Level IV								
hone:	432-813-68	23		Email			a@carmonaresources.com								\dashv		erables			verili	ADaF						
roject Name:	Fasc	cinator C CTB FI	are Fire (02.21.24)	这是缺点的 是非常重要的	Around	437.020.0							ANAL	YSIS I	DEOL	IECT				e de la							
roject Number:		228	36	Routine	☑ Rus		Pres. Code		T				INAL	13131	KEQU	JEST		I	T	Т	Т	None: NO	vative Code				
roject Location		Lea County, I	New Mexico	Due Date:	24	HR																Cool: Cool	DI Water: MeOH: M				
ampler's Name: O #:		DI)						MRO)													HCL: HC	HNO ₃ : HN				
AMPLE RECEIF	DT -	Tama Disaba		Recognition to the second			ers		+													H ₂ SO ₄ : H ₂	NaOH: N				
eceived Intact:		Yes No	Yes No	Wet Ice:		No	Parameter	21B	P. D.	4500												H ₃ PO ₄ : HP					
ooler Custody Seals:		es No N/A	Thermometer ID: Correction Factor:		19	10	Para	BTEX 8021B	8	Chloride 4500							-					NaHSO ₄ : NAB	IS				
ample Custody Seals		s No (N/A)	Temperature Reading:		7	70		BTE.	1 (G	hlor												Na ₂ S ₂ O ₃ : NaS	O ₃				
otal Containers:		THE GUY	Corrected Temperature:			110		-	015N	0												Zn Acetate+Na					
Comple Ideas	416141			Part Care		Grab/	# of	1	TPH 8015M (GRO + DRO													NaOH+Ascorb	ic Acid: SAP				
Sample Ident		Date	Time	Soil	Water	Comp	Cont															Sample	Comments				
SW-9 (1		3/12/2024		Х		С	1	Х	Х	Х				\dashv	\dashv							WAS DESCRIBED TO					
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mments: Email t	to Mike Car	mona / Mcarmo	ona@carmonaresource	s.com and Con	ner Moe	ehring /	Cmoehr	ina@	carmo	nares	ource	s.com	1								_						
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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: FASCINATOR C CTB FLARE FIRE (02.21.24)

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/ga/lab accred certif.html.

Cardinal Laboratories is accreditated 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)

Celey D. Keene

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,

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: 03/1 Sampling Type: Soil

03/12/2024

Reported: Project Name: 03/13/2024

Sampling Condition:

Cool & Intact

Project Number:

FASCINATOR C CTB FLARE FIRE (02.21.2 2286

Sample Received By:

Tamara Oldaker

Project Location:

LEA COUNTY, NEW MEXICO

Sample ID: TOMAHAWK PIT (H241272-01)

BTEX 8021B	mg,	/kg	Analyze	d 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	110 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	464	116	400	3.51	
TPH 8015M	mg,	/kg	Analyze	d 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	81.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.7	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

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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Celeg D. Freene

Celey D. Keene, Lab Director/Quality Manager

Received by OCD: 4/2/2024 8:43:12 AM

Chain of Custody

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hone:	432-813-6823			Email.	IIICaiiiioi	la(ccall)	TOTICATOR					44	VALY	SIS P	FOLI	FST						Preserva	tive Codes
roject Name:	Fascinat	tor C CTB Fla	re Fire (02.21.24)	Turn	Around		Pres.					Air	VALI	313 1							-	None: NO	DI Water: H ₂ O
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ampler's Name:						$\overline{}$	ers.		÷						- 1							H₃PO₄: HP	
SAMPLE RECE	IDT Tem	np Blank:	Yes No	Wet Ice:	Yes		Parameters	21B	+ DRO	4500			- 1		- 1	- 1						NaHSO ₄ : NABI	s
Received Intact:	CONTRACTOR DESCRIPTION OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS	No No	Thermometer ID:		14	0	ara	BTEX 8021B	8	Chloride					- 1							Na ₂ S ₂ O ₃ : NaSC	03
Cooler Custody Sea		No (N/A	Correction Factor:			10	L.	BTE	9	윉			- 1		- 1					1 1		Zn Acetate+Na	OH: Zn
Sample Custody Se		_	Temperature Reading:		5,	10		-	8015M (GRO	_	7		- 1		- 1							NaOH+Ascorbi	c Acid: SAPC
Total Containers:			Corrected Temperature:			minute and the second		-	трн 8													Sample	Comments
Sample Ide	entification	Date	Time	Soil	Water	Grab/ Comp	# of Cont		F													Jampie	Comments
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Comments: Em	ail to Mike Carr	nona / Mcarr	nona@carmonaresour	ces.com and C	onner Mo	behring	Cmoel	nring(ycarn	ionare	SOUIC	03.001											

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

A CONTRACT NO. 1 | A CONTRACT OF

<u>District I</u> 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

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 328738

QUESTIONS

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	328738
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites						
Incident ID (n#)	nAPP2405256649					
Incident Name	NAPP2405256649 FASCINATOR C CTB @ 0					
Incident Type	Oil Release					
Incident Status	Reclamation Report Received					
Incident Facility	[fAPP2135131533] Fascinator C CTB - RT BTTY					

Location of Release Source						
Please answer all the questions in this group.						
Site Name	Fascinator C CTB					
Date Release Discovered	02/21/2024					
Surface Owner	State					

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

District I

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

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, Page 2

Action 328738

QUESTIONS	(continued)

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	328738
	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	e. gas only) are to be submitted on the C-129 form.

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Emergency services were not notified Release was confined to the well pad Facility has been cleared by safety personnel

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

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

Name: Brittany Esparza
Title: Environmental Technician
Email: brittany.Esparza@ConocoPhillips.com
Date: 04/02/2024

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

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, Page 3

Action 328738

QUESTIONS (continued)

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	328738
	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)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 500 and 1000 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 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

the appropriate district office no later than 90 days after the release discovery date. Yes associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.		
Yes associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.		
associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.		
V.		
Yes		
No		
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
303		
283		
283		
1		
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.		
03/12/2024		
03/12/2024		
03/14/2024		
0		
0		
1884		
86		
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.		
,		

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

District I

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

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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, Page 4

Action 328738

QUESTIONS (continued)

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	328738
	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	Fascinator C CTB - RT BTTY [fAPP2135131533]	
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

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.

Released to Imaging: 5/7/2024 1:12:30 PM

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

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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 5

Action 328738

QUESTIONS (continued)

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	328738
	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

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**

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

QUESTIONS, Page 6

Action 328738

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462	arita i e, ivivi o <i>i</i> 505	
QUESTIONS (continued)		
Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137 Action Number: 328738 Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)	
QUESTIONS		
Sampling Event Information		
Last sampling notification (C-141N) recorded	321350	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection 19.15.29.12 NMAC	D of 03/12/2024	
What was the (estimated) number of samples that were to be gathered	22	
What was the sampling surface area in square feet	4400	
Remediation Closure Request Only answer the questions in this group if seeking remediation closure for this release beca	ruse 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 been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion		
What was the total surface area (in square feet) remediated	1884	
What was the total volume (cubic yards) remediated	86	
All areas not reasonably needed for production or subsequent drilling operat 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/TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	With	
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 (about	ove) N/A	
	plicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a ant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents o	
to report and/or file certain release notifications and perform corrective actions fithe OCD does not relieve the operator of liability should their operations have fawater, human health or the environment. In addition, OCD acceptance of a C-14 local laws and/or regulations. The responsible party acknowledges they must su	t of my knowledge and understand that pursuant to OCD rules and regulations all operators are required for releases which may endanger public health or the environment. The acceptance of a C-141 report by siled to adequately investigate and remediate contamination that pose a threat to groundwater, surface the report does not relieve the operator of responsibility for compliance with any other federal, state, or ubstantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed including notification to the OCD when reclamation and re-vegetation are complete.	
	Name: Brittany Esparza	

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

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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 7

Action 328738

QUESTI	ions (continued)
Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:
QUESTIONS	
Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	1884
What was the total volume of replacement material (in cubic yards) for this site	86
	four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 over must include a top layer, which is either the background thickness of topsoil or one foot of suitable material
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.
	reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form tf field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13
to report and/or file certain release notifications and perform corrective actions for release the OCD does not relieve the operator of liability should their operations have failed to water, human health or the environment. In addition, OCD acceptance of a C-141 report	Ĭ
Lhereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician

Email: brittany.Esparza@ConocoPhillips.com

Date: 04/02/2024

I hereby agree and sign off to the above statement

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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**

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Action 328738

QUESTIONS (continued)

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	328738
	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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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

CONDITIONS

Action 328738

CONDITIONS

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	328738
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

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