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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

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

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

Unit Letter	Section	Township	Range	County

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

Nature and Volume of Release

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

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

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Initial Response

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

- ☐ The source of the release has been stopped.
- ☐ The impacted area has been secured to protect human health and the environment.
- ☐ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- ☐ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

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

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Facility Name & Well Number(s):	Craig State #3H	Release Discovery Date & Time:	12/12/2023 @10:00 PM

Provide any known details about the event:	Production knockout oil dump did not open, therfore filled with fluid and filled up flare line and came out of flare.	Primary Cause (dropdown):	Cause not Detected	Secondary Cause (dropdown):	Cause not Detected

BU:	Permian	Asset Area:	DBW - Farmland	Recovered Volume (bbl.) (if available, not included in volume calculations)	Method of Determination (dropdown)	Release Type (dropdown):	> 1/2" of Rain in Last 24 Hours (dropdown):	% Rainwater Recovered (not included in volume calculations, informational):
				1	Field Measurement	Oil	No	

Known Volume (dropdown):	No

Known Area (dropdown):	Yes

Mapped Area (sq. ft.)	Average Depth (in.)	On/Off Pad	Soil Spilled-Fluid Saturation	Total Estimated Volume of Spill (bbl.)
874	1	On-Pad	10.50%	1.3613

CARMONA RESOURCES

SITE INFORMATION

Closure Report
Craig State #3H (12.13.2023)
Eddy County, New Mexico
Incident ID: nAPP2334825158
Unit C Sec 36 T25S R26E
32.0922°, -104.2491°

Crude Oil Release
Point of Release: Flare Fire
Release Date: 12.13.2023
Volume Released: 1 Barrel of Crude Oil
Volume Recovered: 0 Barrels of Crude Oil

CARMONA RESOURCES

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

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

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

CARMONA RESOURCES

TABLE OF CONTENTS

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

CARMONA RESOURCES

February 20, 2024

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

Re: Closure Report
Craig State #3H (12.13.23)
Concho Operating, LLC
Incident ID: nAPP2334825158
Site Location: Unit C, S36, T25S, R26E
(Lat 32.0922°, Long -104.2491°)
Eddy County, New Mexico

Mr. Bratcher:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site activities for Craig State #3H (12.13.23). The site is located at 32.0922°, -104.2491° within Unit C, S36, T25S, R26E, in Eddy 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 December 13, 2023, due to equipment failure resulting in a flare fire. It resulted in the release of approximately one (1) barrel of crude oil, and zero (0) barrels of crude oil were recovered. Refer to Figure 3. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a high karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there are no known water sources within a 0.50-mile radius of the location. The nearest identified well is located approximately 0.87 miles Northeast of the site in S25, T25S, R26E and was drilled in 2018. The well has a reported depth to groundwater of 13.96’ below ground surface (ft bgs). A copy of the associated Summary report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

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

4.0 Site Assessment Activities

Initial Assessment

On January 16, 2024, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of three (3) sample points (S-1 through S-3) and four (4) horizontal samples (H-1 through H-4) were advanced to depths ranging from the surface to 1.5’ bgs within and surrounding the release area to evaluate the vertical and horizontal extent of the contamination. See Figure 3 for the soil sample locations. For chemical

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

CARMONA RESOURCES

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

5.0 Remediation Activities

Carmona Resources personnel were on site to oversee excavation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via email on January 30, 2024, per Subsection D of 19.15.29.12 NMAC. See Appendix C. A total of six (6) confirmation floor samples (CS-1 through CS-6) and eleven (11) sidewall samples (SW-1 through SW-11) were collected every 200 square feet to ensure the proper removal of the contaminated soils. Sidewalls in the areas of H-1 and H-2 were extended with horizontals recollected to ensure the capture and removal of contaminated soil. Refer to Table 2. 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. The excavation depths and confirmation sample locations are shown in Figure 4.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 80 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

Conner Moehring
Sr. Project Manager

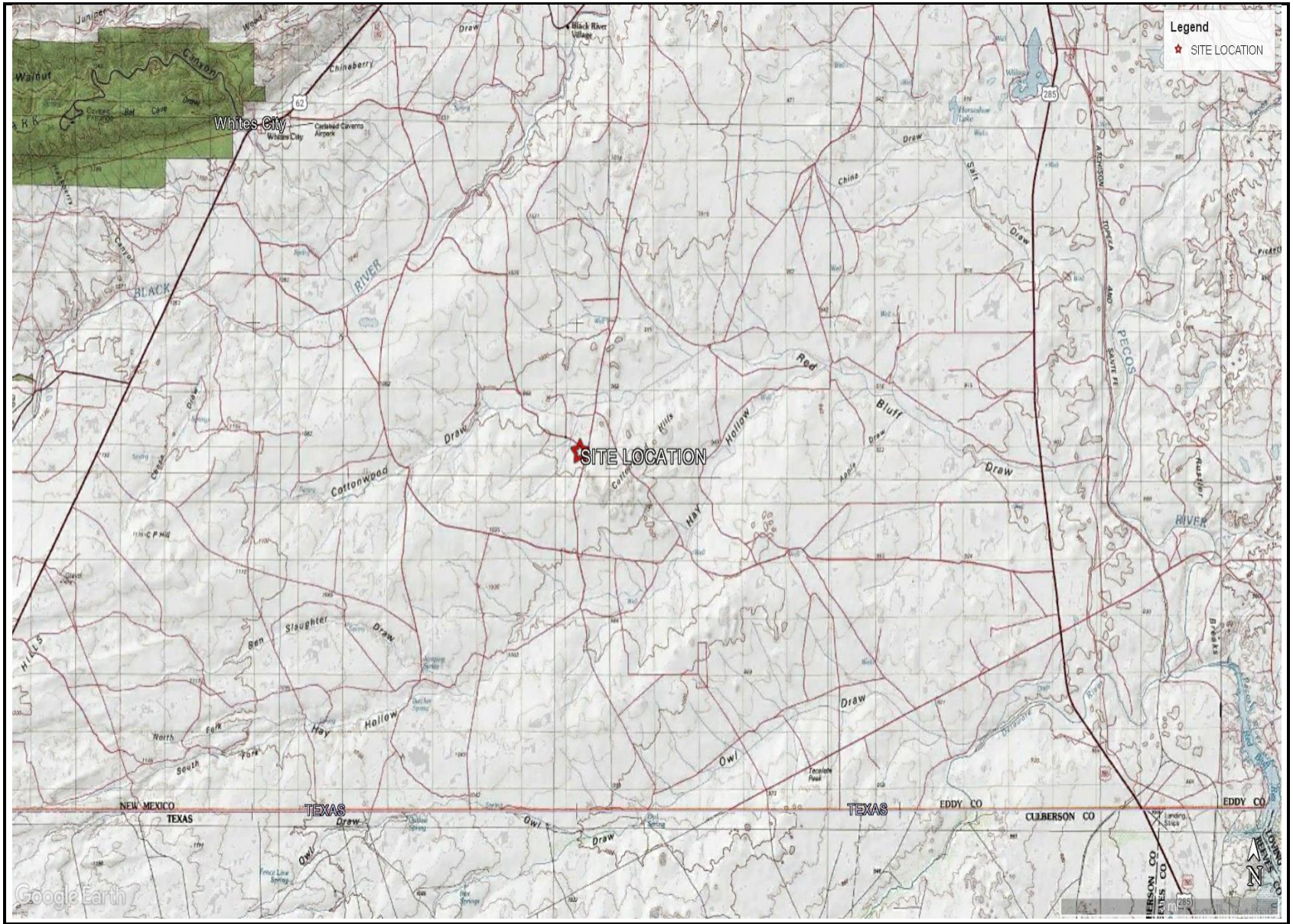
Devin Dominguiex
Geologist/Sr. Project Manager

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

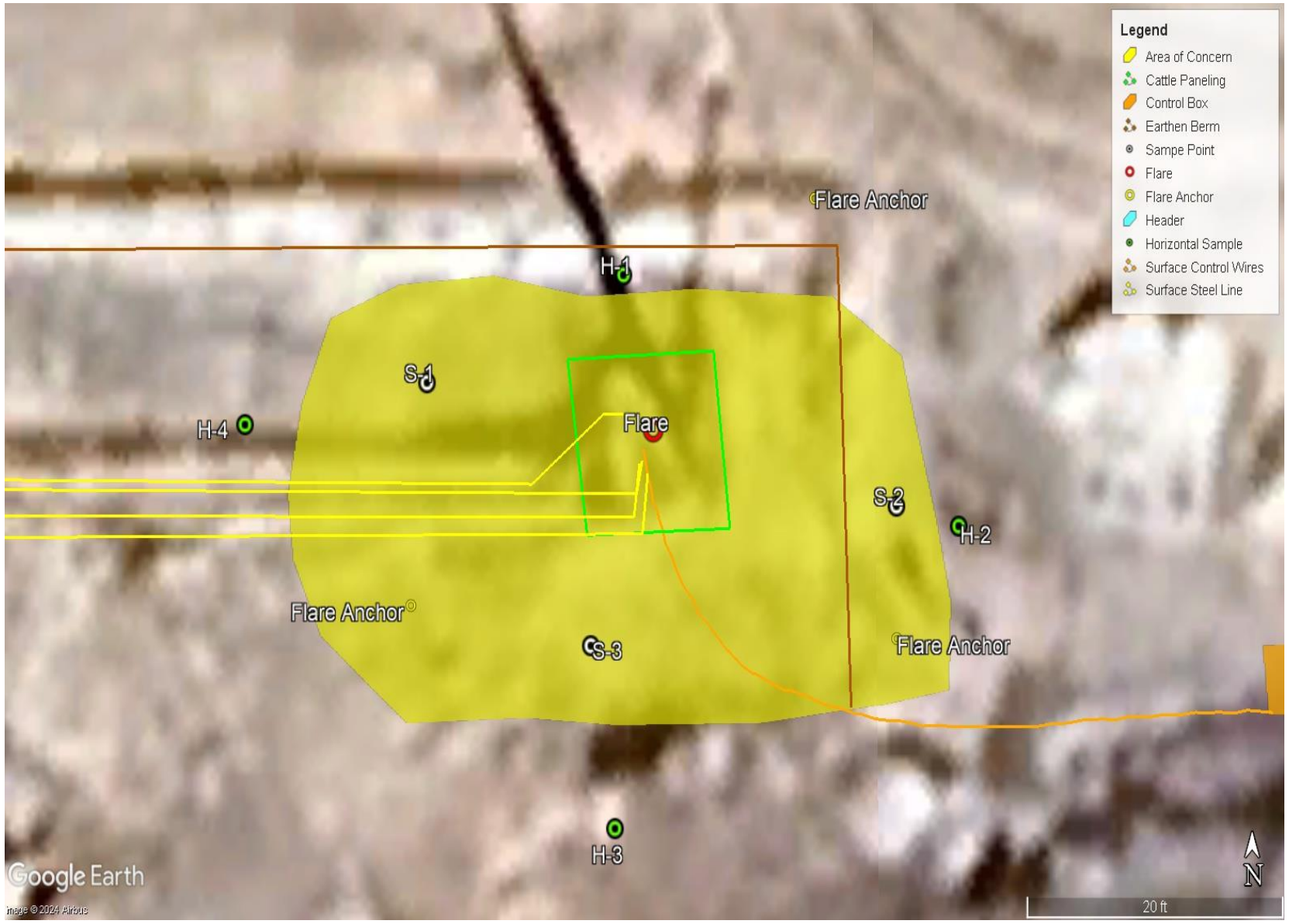
FIGURES

CARMONA RESOURCES

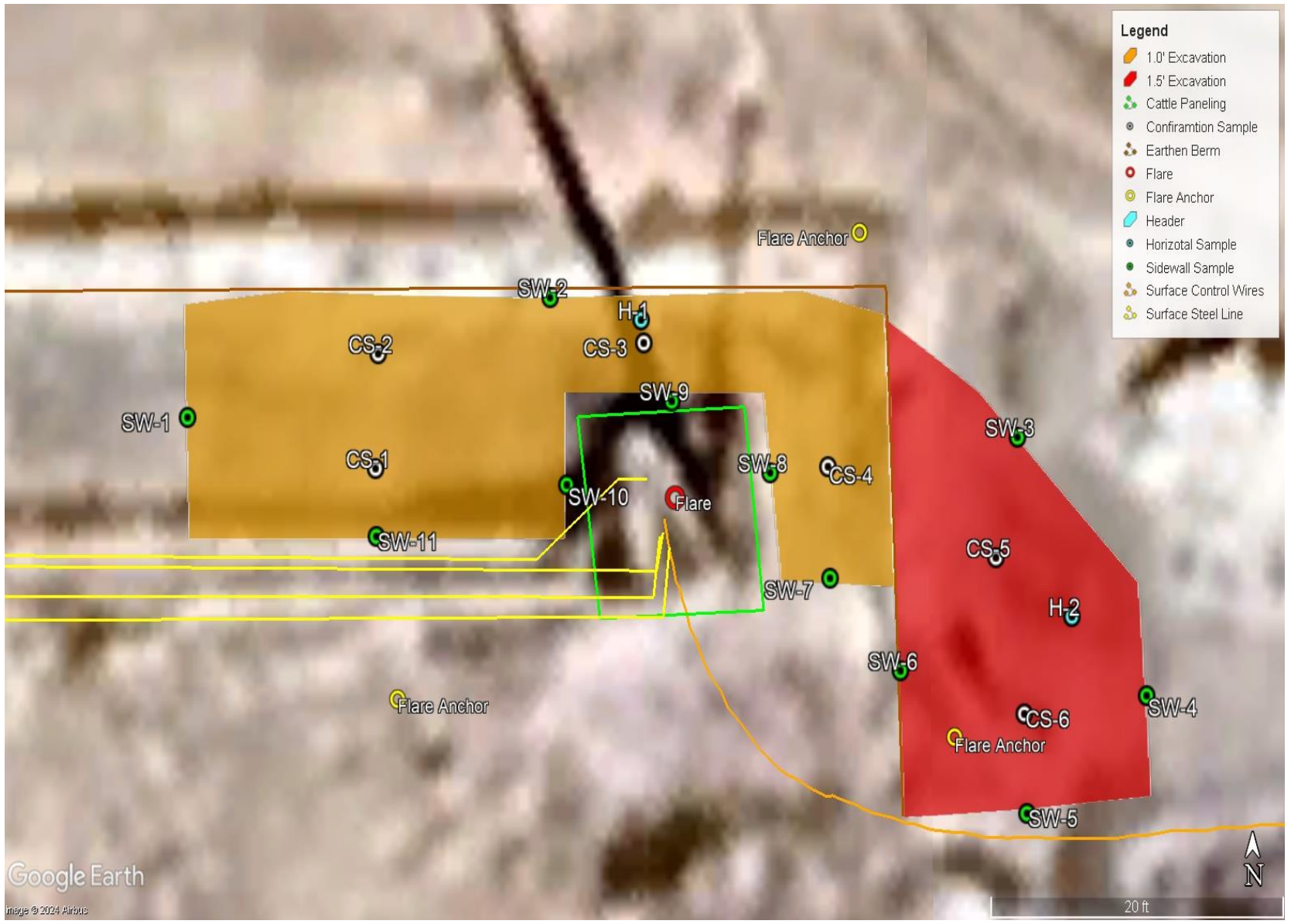
OVERVIEW MAP COG OPERATING, LLC CRAIG STATE 003H (12.13.23) EDDY COUNTY, NEW MEXICO 32.0922°, -104.2491°	CARMONA RESOURCES	FIGURE 1



TOPOGRAPHIC MAP COG OPERATING, LLC CRAIG STATE 003H (12.13.2023) EDDY COUNTY, NEW MEXICO 32.0922°, -104.2491°	CARMONA RESOURCES	FIGURE 2



SAMPLE LOCATION MAP COG OPERATING, LLC CRAIG STATE 003H (12.13.2023) EDDY COUNTY, NEW MEXICO 32.0922°, -104.2491°	CARMONA RESOURCES	FIGURE 3



EXCAVATION DEPTH MAP COG OPERATING, LLC CRAIG STATE 003H (12.13.2023) EDDY COUNTY, NEW MEXICO 32.0922°, -104.2491°	CARMONA RESOURCES	FIGURE 4

APPENDIX A

CARMONA RESOURCES

Table 1
COG Operating
Craig State 003H (12.13.23)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BETEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	1/16/2024	0-0.5	<50.3	**143**	**56.2**	**199**	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	501
S-2	1/16/2024	0-0.5	<50.1	**150**	**59.6**	**209**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	354
	"	1	<50.4	**124**	<50.4	**124**	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	350
S-3	1/16/2024	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	153
	"	1	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	104
	"	1.5	<49.8	<49.8	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	69.0
H-1	1/16/2024	0-1	<50.1	<50.1	<50.1	<0.00398	<0.00199	<0.00199	<0.00199	<0.00199	<0.00398	393
H-2	1/16/2024	0-1	<49.9	**221**	**90.0**	**331**	<0.00198	<0.00198	<0.00198	<0.00198	<0.00396	74.7
	2/1/2024	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-3	1/16/2024	0-1	<49.7	**1,140**	**327**	**1,467**	<0.00201	<0.00201	<0.00201	<0.00201	<0.00402	16.4
	2/1/2024	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-4	2/16/2024	0-1	<50.0	84.6	<50.0	84.6	<0.00198	<0.00198	<0.00198	<0.00198	<0.00397	467
Regulatory Criteria [A]						**100 mg/kg**	**10 mg/kg**				**50 mg/kg**	**600 mg/kg**

(-) Not Analyzed
[A] – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH- Total Petroleum Hydrocarbons
ft-feet
(S) Sample Points
(H) Horizontal Sample
Removed

Table 2
COG Operating
Craig State #3H (12.13.23)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	2/1/2024	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-2	2/1/2024	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-3	2/1/2024	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-4	2/1/2024	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-5	2/1/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-6	2/1/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-1	2/1/2024	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-2	2/1/2024	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-3	2/1/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-4	2/1/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-5	2/1/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-6	2/1/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-7	2/1/2024	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-8	2/1/2024	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-9	2/1/2024	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-10	2/1/2024	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-11	2/1/2024	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
Regulatory Criteria [A]						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

[A] – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(CS) Confirmation Smaple

(SW) Sidewall Sample

APPENDIX B

CARMONA RESOURCES

PHOTOGRAPHIC LOG

EOG Resources

Photograph No. 1

Facility: Craig State 003H (12.13.23)

County: Eddy County, New Mexico

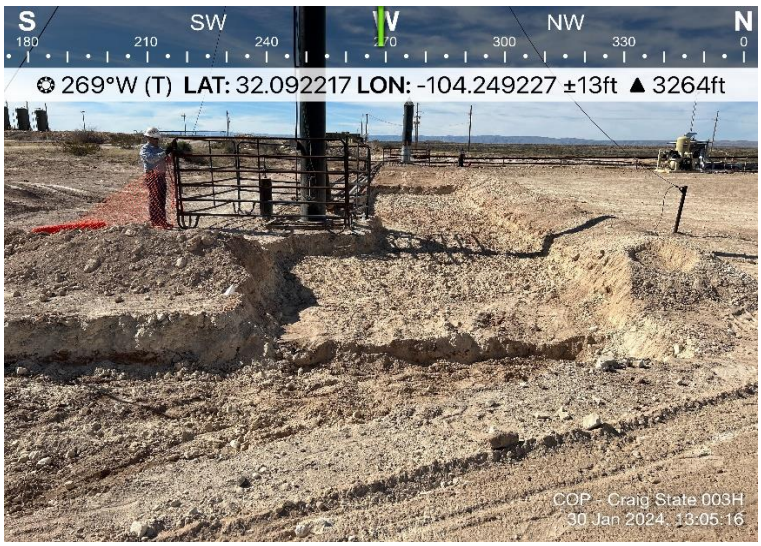
Description:
View West, area of CS-1 through CS-3

Photograph No. 2

Facility: Craig State 003H (12.13.23)

County: Eddy County, New Mexico

Description:
View West, area of CS-1 through CS-4.



Photograph No. 3

Facility: Craig State 003H (12.13.23)

County: Eddy County, New Mexico

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

CARMONA RESOURCES

PHOTOGRAPHIC LOG

EOG Resources

Photograph No. 4

Facility: Craig State 003H (12.13.23)

County: Eddy County, New Mexico

Description:
View Northwest, area of CS-4 through CS-6.

CARMONA RESOURCES

APPENDIX C

CARMONA RESOURCES

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

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

QUESTIONS

Action 294525

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 294525
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source *Please answer all the questions in this group.*	
Site Name	Craig State #3H
Date Release Discovered	12/13/2023
Surface Owner	State

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

Nature and Volume of Release *Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.*	
Crude Oil Released (bbls) Details	Cause: Fire | Unknown | Crude Oil | Released: 1 BBL | Recovered: 0 BBL | Lost: 1 BBL.
Produced Water Released (bbls) Details	*Not answered.*
Is the concentration of chloride in the produced water >10,000 mg/l	*Not answered.*
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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

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

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 294525
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

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

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph 4 of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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

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

ACKNOWLEDGMENTS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 294525
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

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

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

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

CONDITIONS

Operator:	OGRID:
COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	229137
	Action Number: 294525
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
jacquih	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	12/14/2023

State of New Mexico
Oil Conservation Division

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 ODC 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: _____ Title: _____

Signature: Jacqui Harris 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: _____

Conner Moehring

From: Harris, Jacqui <Jacqui.Harris@conocophillips.com>
Sent: Tuesday, January 30, 2024 1:47 PM
To: Conner Moehring; Mike Carmona
Subject: FW: [EXTERNAL]The Oil Conservation Division (OCD) has accepted the application, Application ID: 309532

Sampling Notification is in.

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Tuesday, January 30, 2024 1:45 PM
To: Harris, Jacqui <Jacqui.Harris@conocophillips.com>
Subject: [EXTERNAL]The Oil Conservation Division (OCD) has accepted the application, Application ID: 309532

To whom it may concern (c/o Jacqui Harris for COG OPERATING LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2306133645.

The sampling event is expected to take place:

When: 02/01/2024 @ 14:30
Where: D-01-26S-26E 0 FNL 0 FEL (32.07721,-104.25211)

Additional Information: Sampler Information: Conner Moerhring (432) 813- 6823

Additional Instructions: Coordinates of location on Initial C-141

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **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.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

APPENDIX D

CARMONA RESOURCES

Nearest Water Well

COG Operating

14' - Drilled 2019

24.55' - Drilled 1998

10.43' - Drilled 1998

13.96' - Drilled 2018

14.22' - Drilled 1992

Craig State 003H (12.13.2023)

Legend

- 0.50 Mile Radius
- 0.87 Miles
- 1.12 Miles
- 1.17 Miles
- 1.75 Miles
- 2.43 Miles
- Craig State 003H (12.13.2023)
- NMSEO Water Well
- USGS Water Well

N

1 mi

High Karst

COG Operating

Legend

Craig State 003H (12.13.2023)

High

Craig State 003H (12.13.2023)

N

1 mi

Google Earth

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 01013	C	ED			4	25	25S	26E	571505	3551456*	853	245		
C 02221	CUB	ED	4	3	2	25	25S	26E	571412	3551961*	1196	35		
C 02220	CUB	ED	3	1	2	26	25S	26E	569598	3552352*	1919	35		
C 04329 POD1	C	ED	2	2	2	27	25S	26E	568577	3552567	2822	57	14	43
C 03654 POD1	CUB	ED	2	3	1	24	25S	26E	570654	3553773	2878			
C 03655 POD3	CUB	ED	1	4	4	22	25S	26E	568458	3553019	3198			

Average Depth to Water: **14 feet**
Minimum Depth: **14 feet**
Maximum Depth: **14 feet**

Record Count: 6

UTMNAD83 Radius Search (in meters):

Easting (X): 570856 **Northing (Y):** 3550902 **Radius:** 4000

***UTM location was derived from PLSS - see Help**

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? S

Groundwater | New Mexico | GO

Click to hideNews Bulletins

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

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 320616104142801

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 320616104142801 25S.26E.25.23231

Eddy County, New Mexico
Latitude 32°06'12.6", Longitude 104°14'33.9" NAD83
Land-surface elevation 3,188.60 feet above NGVD29
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Castile Formation (312CSTL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1978-01-25		D	62610		3184.39	NGVD29	1	Z		
1978-01-25		D	62611		3186.05	NAVD88	1	Z		
1978-01-25		D	72019	4.21			1	Z		
1983-02-01		D	62610		3185.96	NGVD29	1	Z		
1983-02-01		D	62611		3187.62	NAVD88	1	Z		
1983-02-01		D	72019	2.64			1	Z		
1987-10-08		D	62610		3185.63	NGVD29	1	Z		
1987-10-08		D	62611		3187.29	NAVD88	1	Z		
1987-10-08		D	72019	2.97			1	Z		
1992-11-04		D	62610		3186.55	NGVD29	1	S		
1992-11-04		D	62611		3188.21	NAVD88	1	S		
1992-11-04		D	72019	2.05			1	S		
1998-01-07		D	62610		3186.62	NGVD29	1	S		
1998-01-07		D	62611		3188.28	NAVD88	1	S		
1998-01-07		D	72019	1.98			1	S		

Date	Time	? Water-level date-time accuracy	? Parameter code		Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? S
2003-01-28		D	62610		3181.38	NGVD29	1	S USGS
2003-01-28		D	62611		3183.04	NAVD88	1	S USGS
2003-01-28		D	72019	7.22			1	S USGS
2013-01-09	22:45 UTC	m	62610		3177.78	NGVD29	1	S USGS
2013-01-09	22:45 UTC	m	62611		3179.44	NAVD88	1	S USGS
2013-01-09	22:45 UTC	m	72019	10.82			1	S USGS
2018-02-13	22:15 UTC	m	62610		3174.64	NGVD29	1	S USGS
2018-02-13	22:15 UTC	m	62611		3176.30	NAVD88	1	S USGS
2018-02-13	22:15 UTC	m	72019	13.96			1	S USGS

Explanation

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

Questions or Comments
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2024-01-09 09:35:52 EST
0.28 0.24 nadww01

USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: New Mexico | GO

Click to hideNews Bulletins

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

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 320629104151301

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 320629104151301 25S.26E.26.22231

Eddy County, New Mexico
Latitude 32°06'29", Longitude 104°15'13" NAD27
Land-surface elevation 3,212 feet above NAVD88
The depth of the well is 16 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measure
1983-02-01		D	62610		3195.46	NGVD29	1	Z		
1983-02-01		D	62611		3197.12	NAVD88	1	Z		
1983-02-01		D	72019	14.88			1	Z		
1987-10-08		D	62610		3198.45	NGVD29	1	Z		
1987-10-08		D	62611		3200.11	NAVD88	1	Z		
1987-10-08		D	72019	11.89			1	Z		
1992-11-04		D	62610		3199.71	NGVD29	1	S		
1992-11-04		D	62611		3201.37	NAVD88	1	S		
1992-11-04		D	72019	10.63			1	S		
1998-01-07		D	62610		3199.91	NGVD29	1	S		
1998-01-07		D	62611		3201.57	NAVD88	1	S		
1998-01-07		D	72019	10.43			1	S		

Explanation

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

Questions or Comments
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

Accessibility FOIA Privacy Policies and Notices
U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? S

Groundwater | New Mexico | GO

Click to hideNews Bulletins

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

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 320625104153201

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 320625104153201 25S.26E.26.213213

Eddy County, New Mexico
Latitude 32°06'25", Longitude 104°15'32" NAD27
Land-surface elevation 3,219 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measure
1983-02-01		D	62610		3199.04	NGVD29	1	Z		
1983-02-01		D	62611		3200.71	NAVD88	1	Z		
1983-02-01		D	72019	18.29			1	Z		
1987-10-08		D	62610		3202.18	NGVD29	1	Z		
1987-10-08		D	62611		3203.85	NAVD88	1	Z		
1987-10-08		D	72019	15.15			1	Z		
1992-11-04		D	62610		3202.16	NGVD29	1	S		
1992-11-04		D	62611		3203.83	NAVD88	1	S		
1992-11-04		D	72019	15.17			1	S		
1998-01-07		D	62610		3192.78	NGVD29	1	S		
1998-01-07		D	62611		3194.45	NAVD88	1	S		
1998-01-07		D	72019	24.55			1	S		

Explanation

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? S

Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

Questions or Comments
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2024-01-09 09:33:25 EST
0.36 0.32 nadww01

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	X	Y
222B5	C 04329 POD1	2	2	2	27	25S	26E	568577	3552567

Driller License: 1348 **Driller Company:** TAYLOR WATER WELL SERVICE

Driller Name: CLINTON E TAYLOR

Drill Start Date:	06/07/2019	**Drill Finish Date:**	06/08/2019	**Plug Date:**	
Log File Date:	06/17/2019	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	100 GPM
Casing Size:	4.50	**Depth Well:**	57 feet	**Depth Water:**	14 feet

Water Bearing Stratifications:	Top	Bottom	Description
	14	24	Other/Unknown
	24	57	Other/Unknown

Casing Perforations:	Top	Bottom
	20	57

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: New Mexico | GO

Click to hideNews Bulletins

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

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 320559104172201

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 320559104172201 25S.26E.28.423113

Eddy County, New Mexico
Latitude 32°05'59", Longitude 104°17'22" NAD27
Land-surface elevation 3,283 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measure
1983-02-01		D	62610		3266.82	NGVD29	1	Z		
1983-02-01		D	62611		3268.50	NAVD88	1	Z		
1983-02-01		D	72019	14.50			1	Z		
1987-10-08		D	62610		3268.06	NGVD29	1	Z		
1987-10-08		D	62611		3269.74	NAVD88	1	Z		
1987-10-08		D	72019	13.26			1	Z		
1992-11-19		D	62610		3267.10	NGVD29	P	S		
1992-11-19		D	62611		3268.78	NAVD88	P	S		
1992-11-19		D	72019	14.22			P	S		

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day

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

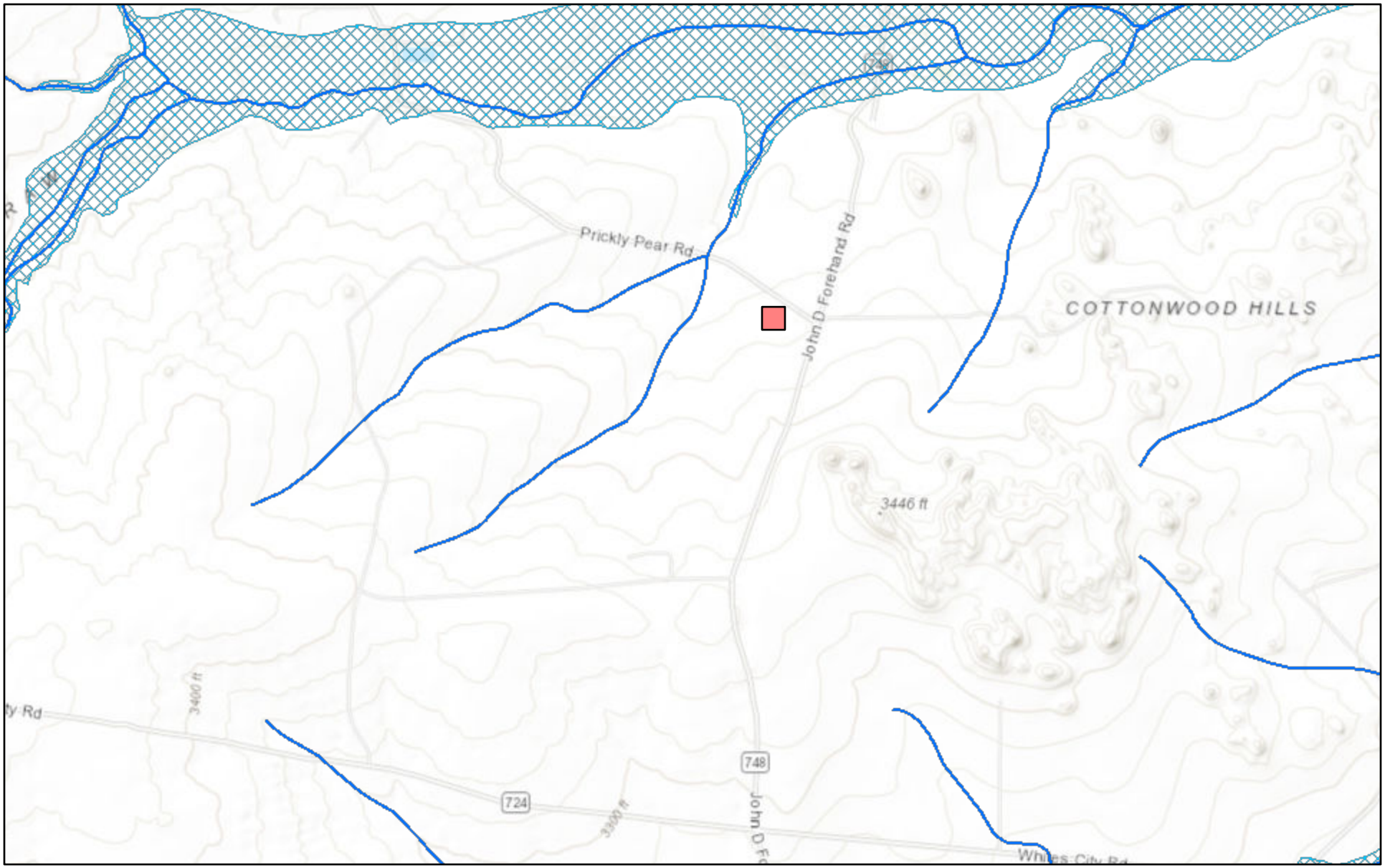
Questions or Comments
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2024-01-09 09:32:07 EST
0.34 0.3 nadww01

New Mexico NFHL Data



January 9, 2024

1:36,112

0 0.25 0.5 1 mi

0 0.4 0.8 1.6 km

FEMA, Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey,

nmflood.org is made possible through a collaboration with NMDHSEM,

This is a non-regulatory product for informational use only. Please consult your local floodplain administrator for further information.

APPENDIX E

CARMONA RESOURCES

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 1/19/2024 10:08:06 AM

JOB DESCRIPTION

Craig State 003H (12.12.23)
Eddy County , New Mexico

JOB NUMBER

880-38036-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

my EOL

Eurofins Midland

Job Notes

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

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

Authorization

Generated
1/19/2024 10:08:06 AM

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

Client: Carmona Resources
Project/Site: Craig State 003H (12.12.23)

Laboratory Job ID: 880-38036-1
SDG: Eddy County , New Mexico

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: Craig State 003H (12.12.23)

Job ID: 880-38036-1
SDG: Eddy County , New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Craig State 003H (12.12.23)

Job ID: 880-38036-1

Job ID: 880-38036-1 Eurofins Midland

Job Narrative
880-38036-1

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 1/17/2024 9:17 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.2°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0-0.5') (880-38036-1), H-2(0-0.5') (880-38036-2), H-3(0-0.5') (880-38036-3) and H-4(0-0.5') (880-38036-4).

GC VOA
Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-71001 and analytical batch 880-71037 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 8021B: Surrogate recovery for the following samples were outside control limits: H-1 (0-0.5') (880-38036-1), H-2(0-0.5') (880-38036-2), H-3(0-0.5') (880-38036-3) and H-4(0-0.5') (880-38036-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: H-1 (0-0.5') (880-38036-1), H-2(0-0.5') (880-38036-2), H-3(0-0.5') (880-38036-3), H-4(0-0.5') (880-38036-4), (880-38036-A-1-F MS) and (880-38036-A-1-G MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (880-38105-A-13-B MDLV) and (880-38105-A-14-B MDLV). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-71122 and analytical batch 880-71082 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-71082 recovered below the lower 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 880-71082/47).

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

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-71073 and analytical batch 880-71091 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Eurofins Midland

Case Narrative

Client: Carmona Resources
Job ID: 880-38036-1
Project: Craig State 003H (12.12.23)

Job ID: 880-38036-1 (Continued)
Eurofins Midland

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

Client Sample Results

Client: Carmona Resources
Project/Site: Craig State 003H (12.12.23)

Job ID: 880-38036-1
SDG: Eddy County , New Mexico

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

Lab Sample ID: 880-38036-1
Matrix: Solid
Date Collected: 01/16/24 09:09
Date Received: 01/17/24 09:17

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/17/24 10:33	01/17/24 18:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/17/24 10:33	01/17/24 18:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/17/24 10:33	01/17/24 18:07	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		01/17/24 10:33	01/17/24 18:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/17/24 10:33	01/17/24 18:07	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		01/17/24 10:33	01/17/24 18:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*01/17/24 10:33*	*01/17/24 18:07*	*1*
1,4-Difluorobenzene (Surr)	*61*	*S1-*	*70 - 130*	*01/17/24 10:33*	*01/17/24 18:07*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		01/18/24 13:49	01/18/24 19:40	1
Diesel Range Organics (Over C10-C28)	<50.1	U F1	50.1		mg/Kg		01/18/24 13:49	01/18/24 19:40	1
OII Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		01/18/24 13:49	01/18/24 19:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*72*		*70 - 130*	*01/18/24 13:49*	*01/18/24 19:40*	*1*
o-Terphenyl	*68*	*S1-*	*70 - 130*	*01/18/24 13:49*	*01/18/24 19:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**393**	**F1**	4.98		mg/Kg			01/18/24 08:48	1

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

Lab Sample ID: 880-38036-2
Matrix: Solid
Date Collected: 01/16/24 09:09
Date Received: 01/17/24 09:17

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		01/17/24 10:33	01/17/24 18:28	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/17/24 10:33	01/17/24 18:28	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/17/24 10:33	01/17/24 18:28	1
m-Xylene & p-Xylene	<0.00396	U *+	0.00396		mg/Kg		01/17/24 10:33	01/17/24 18:28	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/17/24 10:33	01/17/24 18:28	1
Xylenes, Total	<0.00396	U *+	0.00396		mg/Kg		01/17/24 10:33	01/17/24 18:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*01/17/24 10:33*	*01/17/24 18:28*	*1*
1,4-Difluorobenzene (Surr)	*67*	*S1-*	*70 - 130*	*01/17/24 10:33*	*01/17/24 18:28*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/18/24 13:49	01/18/24 22:29	1
Diesel Range Organics (Over C10-C28)	**221**		49.9		mg/Kg		01/18/24 13:49	01/18/24 22:29	1
OII Range Organics (Over C28-C36)	**90.0**		49.9		mg/Kg		01/18/24 13:49	01/18/24 22:29	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Craig State 003H (12.12.23)

Job ID: 880-38036-1
SDG: Eddy County , New Mexico

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

Lab Sample ID: 880-38036-2
Matrix: Solid
Date Collected: 01/16/24 09:09
Date Received: 01/17/24 09:17

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130	01/18/24 13:49	01/18/24 22:29	1
o-Terphenyl	69	S1-	70 - 130	01/18/24 13:49	01/18/24 22:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	74.7		5.00		mg/Kg			01/18/24 09:03	1

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

Lab Sample ID: 880-38036-3
Matrix: Solid
Date Collected: 01/16/24 09:09
Date Received: 01/17/24 09:17

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/17/24 10:33	01/17/24 18:48	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/17/24 10:33	01/17/24 18:48	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/17/24 10:33	01/17/24 18:48	1
m-Xylene & p-Xylene	<0.00402	U *+	0.00402		mg/Kg		01/17/24 10:33	01/17/24 18:48	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/17/24 10:33	01/17/24 18:48	1
Xylenes, Total	<0.00402	U *+	0.00402		mg/Kg		01/17/24 10:33	01/17/24 18:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130	01/17/24 10:33	01/17/24 18:48	1
1,4-Difluorobenzene (Surr)	60	S1-	70 - 130	01/17/24 10:33	01/17/24 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		01/18/24 13:49	01/18/24 22:07	1
Diesel Range Organics (Over C10-C28)	1140		49.7		mg/Kg		01/18/24 13:49	01/18/24 22:07	1
Oil Range Organics (Over C28-C36)	327		49.7		mg/Kg		01/18/24 13:49	01/18/24 22:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	71		70 - 130	01/18/24 13:49	01/18/24 22:07	1
o-Terphenyl	69	S1-	70 - 130	01/18/24 13:49	01/18/24 22:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.4		4.95		mg/Kg			01/18/24 09:09	1

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

Lab Sample ID: 880-38036-4
Matrix: Solid
Date Collected: 01/16/24 09:09
Date Received: 01/17/24 09:17

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		01/17/24 10:33	01/17/24 19:09	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/17/24 10:33	01/17/24 19:09	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/17/24 10:33	01/17/24 19:09	1
m-Xylene & p-Xylene	<0.00397	U *+	0.00397		mg/Kg		01/17/24 10:33	01/17/24 19:09	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/17/24 10:33	01/17/24 19:09	1
Xylenes, Total	<0.00397	U *+	0.00397		mg/Kg		01/17/24 10:33	01/17/24 19:09	1

Client Sample Results

Client: Carmona Resources
Project/Site: Craig State 003H (12.12.23)

Job ID: 880-38036-1
SDG: Eddy County , New Mexico

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

Date Collected: 01/16/24 09:09
Date Received: 01/17/24 09:17

Lab Sample ID: 880-38036-4

Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*	*01/17/24 10:33*	*01/17/24 19:09*	*1*
1,4-Difluorobenzene (Surr)	*66*	*S1-*	*70 - 130*	*01/17/24 10:33*	*01/17/24 19:09*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/18/24 13:49	01/18/24 22:53	1
Diesel Range Organics (Over C10-C28)	**84.6**		50.0		mg/Kg		01/18/24 13:49	01/18/24 22:53	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/18/24 13:49	01/18/24 22:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*68*	*S1-*	*70 - 130*	*01/18/24 13:49*	*01/18/24 22:53*	*1*
o-Terphenyl	*66*	*S1-*	*70 - 130*	*01/18/24 13:49*	*01/18/24 22:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**467**		4.99		mg/Kg			01/18/24 09:14	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Craig State 003H (12.12.23)

Job ID: 880-38036-1
SDG: Eddy 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)
880-38036-1	H-1 (0-0.5')	86	61 S1-
880-38036-2	H-2(0-0.5')	89	67 S1-
880-38036-3	H-3(0-0.5')	83	60 S1-
880-38036-4	H-4(0-0.5')	83	66 S1-
890-5945-A-1-C MS	Matrix Spike	118	117
890-5945-A-1-D MSD	Matrix Spike Duplicate	113	105
LCS 880-71001/1-A	Lab Control Sample	110	113
LCSD 880-71001/2-A	Lab Control Sample Dup	115	94
MB 880-71001/5-A	Method Blank	71	89

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)
880-38036-1	H-1 (0-0.5')	72	68 S1-
880-38036-1 MS	H-1 (0-0.5')	75	69 S1-
880-38036-1 MSD	H-1 (0-0.5')	76	69 S1-
880-38036-2	H-2(0-0.5')	72	69 S1-
880-38036-3	H-3(0-0.5')	71	69 S1-
880-38036-4	H-4(0-0.5')	68 S1-	66 S1-
LCS 880-71122/2-A	Lab Control Sample	95	114
LCSD 880-71122/3-A	Lab Control Sample Dup	88	104
MB 880-71122/1-A	Method Blank	97	103

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Craig State 003H (12.12.23)

Job ID: 880-38036-1
SDG: Eddy County , New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-71001/5-A
Matrix: Solid
Analysis Batch: 71037

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 71001

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/16/24 13:33	01/17/24 11:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/16/24 13:33	01/17/24 11:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/16/24 13:33	01/17/24 11:16	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/16/24 13:33	01/17/24 11:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/16/24 13:33	01/17/24 11:16	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/16/24 13:33	01/17/24 11:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*71*		*70 - 130*	*01/16/24 13:33*	*01/17/24 11:16*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*01/16/24 13:33*	*01/17/24 11:16*	*1*

Lab Sample ID: LCS 880-71001/1-A
Matrix: Solid
Analysis Batch: 71037

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 71001

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1294		mg/Kg		129	70 - 130
Toluene	0.100	0.1127		mg/Kg		113	70 - 130
Ethylbenzene	0.100	0.1239		mg/Kg		124	70 - 130
m-Xylene & p-Xylene	0.200	0.2698	*+	mg/Kg		135	70 - 130
o-Xylene	0.100	0.1268		mg/Kg		127	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*

Lab Sample ID: LCSD 880-71001/2-A
Matrix: Solid
Analysis Batch: 71037

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 71001

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1281		mg/Kg		128	70 - 130	1	35
Toluene	0.100	0.1178		mg/Kg		118	70 - 130	4	35
Ethylbenzene	0.100	0.1260		mg/Kg		126	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2731	*+	mg/Kg		137	70 - 130	1	35
o-Xylene	0.100	0.1285		mg/Kg		129	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: 890-5945-A-1-C MS
Matrix: Solid
Analysis Batch: 71037

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 71001

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.00713		0.100	0.1220		mg/Kg		114	70 - 130
Toluene	0.0318		0.100	0.1055		mg/Kg		73	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Craig State 003H (12.12.23)

Job ID: 880-38036-1
SDG: Eddy County , New Mexico

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

Lab Sample ID: 890-5945-A-1-C MS
Matrix: Solid
Analysis Batch: 71037

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 71001

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	0.0165		0.100	0.1207		mg/Kg		104	70 - 130
m-Xylene & p-Xylene	0.0580		0.201	0.2560		mg/Kg		99	70 - 130
o-Xylene	0.0306		0.100	0.1198		mg/Kg		89	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*

Lab Sample ID: 890-5945-A-1-D MSD
Matrix: Solid
Analysis Batch: 71037

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 71001

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.101	0.1143		mg/Kg		113	70 - 130	7	35
Toluene	<0.00198	U	0.101	0.1019		mg/Kg		101	70 - 130	3	35
Ethylbenzene	<0.00198	U	0.101	0.1098		mg/Kg		109	70 - 130	9	35
m-Xylene & p-Xylene	<0.00396	U *+	0.202	0.2321		mg/Kg		115	70 - 130	10	35
o-Xylene	<0.00198	U	0.101	0.1097		mg/Kg		109	70 - 130	9	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

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

Lab Sample ID: MB 880-71122/1-A
Matrix: Solid
Analysis Batch: 71082

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 71122

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/18/24 13:49	01/18/24 18:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/18/24 13:49	01/18/24 18:37	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/18/24 13:49	01/18/24 18:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*01/18/24 13:49*	*01/18/24 18:37*	*1*
o-Terphenyl	*103*		*70 - 130*	*01/18/24 13:49*	*01/18/24 18:37*	*1*

Lab Sample ID: LCS 880-71122/2-A
Matrix: Solid
Analysis Batch: 71082

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 71122

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	925.5		mg/Kg		93	70 - 130
Diesel Range Organics (Over C10-C28)	1000	912.6		mg/Kg		91	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Craig State 003H (12.12.23)

Job ID: 880-38036-1
SDG: Eddy County , New Mexico

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

Lab Sample ID: LCS 880-71122/2-A
Matrix: Solid
Analysis Batch: 71082

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 71122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	95		70 - 130
o-Terphenyl	114		70 - 130

Lab Sample ID: LCSD 880-71122/3-A
Matrix: Solid
Analysis Batch: 71082

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 71122

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	962.9		mg/Kg		96	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	906.8		mg/Kg		91	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	88		70 - 130
o-Terphenyl	104		70 - 130

Lab Sample ID: 880-38036-1 MS
Matrix: Solid
Analysis Batch: 71082

Client Sample ID: H-1 (0-0.5')
Prep Type: Total/NA
Prep Batch: 71122

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	1010	738.9		mg/Kg		70	70 - 130
Diesel Range Organics (Over C10-C28)	<50.1	U F1	1010	690.4	F1	mg/Kg		65	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	75		70 - 130
o-Terphenyl	69	S1-	70 - 130

Lab Sample ID: 880-38036-1 MSD
Matrix: Solid
Analysis Batch: 71082

Client Sample ID: H-1 (0-0.5')
Prep Type: Total/NA
Prep Batch: 71122

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	1010	748.5		mg/Kg		71	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.1	U F1	1010	691.6	F1	mg/Kg		65	70 - 130	0	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	76		70 - 130
o-Terphenyl	69	S1-	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Craig State 003H (12.12.23)

Job ID: 880-38036-1
SDG: Eddy County , New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-71073/1-A
Matrix: Solid
Analysis Batch: 71091

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			01/18/24 08:12	1

Lab Sample ID: LCS 880-71073/2-A
Matrix: Solid
Analysis Batch: 71091

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	229.7		mg/Kg		92	90 - 110		

Lab Sample ID: LCSD 880-71073/3-A
Matrix: Solid
Analysis Batch: 71091

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	230.9		mg/Kg		92	90 - 110	1	20

Lab Sample ID: 880-38036-1 MS
Matrix: Solid
Analysis Batch: 71091

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	393	F1	249	598.6	F1	mg/Kg		82	90 - 110		

Lab Sample ID: 880-38036-1 MSD
Matrix: Solid
Analysis Batch: 71091

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	393	F1	249	600.4	F1	mg/Kg		83	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Craig State 003H (12.12.23)

Job ID: 880-38036-1
SDG: Eddy County , New Mexico

GC VOA

Prep Batch: 71001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38036-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-38036-2	H-2(0-0.5')	Total/NA	Solid	5035	
880-38036-3	H-3(0-0.5')	Total/NA	Solid	5035	
880-38036-4	H-4(0-0.5')	Total/NA	Solid	5035	
MB 880-71001/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-71001/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-71001/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-5945-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
890-5945-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 71037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38036-1	H-1 (0-0.5')	Total/NA	Solid	8021B	71001
880-38036-2	H-2(0-0.5')	Total/NA	Solid	8021B	71001
880-38036-3	H-3(0-0.5')	Total/NA	Solid	8021B	71001
880-38036-4	H-4(0-0.5')	Total/NA	Solid	8021B	71001
MB 880-71001/5-A	Method Blank	Total/NA	Solid	8021B	71001
LCS 880-71001/1-A	Lab Control Sample	Total/NA	Solid	8021B	71001
LCSD 880-71001/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	71001
890-5945-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	71001
890-5945-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	71001

GC Semi VOA

Analysis Batch: 71082

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38036-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	71122
880-38036-2	H-2(0-0.5')	Total/NA	Solid	8015B NM	71122
880-38036-3	H-3(0-0.5')	Total/NA	Solid	8015B NM	71122
880-38036-4	H-4(0-0.5')	Total/NA	Solid	8015B NM	71122
MB 880-71122/1-A	Method Blank	Total/NA	Solid	8015B NM	71122
LCS 880-71122/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	71122
LCSD 880-71122/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	71122
880-38036-1 MS	H-1 (0-0.5')	Total/NA	Solid	8015B NM	71122
880-38036-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8015B NM	71122

Prep Batch: 71122

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38036-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-38036-2	H-2(0-0.5')	Total/NA	Solid	8015NM Prep	
880-38036-3	H-3(0-0.5')	Total/NA	Solid	8015NM Prep	
880-38036-4	H-4(0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-71122/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-71122/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-71122/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-38036-1 MS	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-38036-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Craig State 003H (12.12.23)

Job ID: 880-38036-1
SDG: Eddy County , New Mexico

HPLC/IC

Leach Batch: 71073

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38036-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-38036-2	H-2(0-0.5')	Soluble	Solid	DI Leach	
880-38036-3	H-3(0-0.5')	Soluble	Solid	DI Leach	
880-38036-4	H-4(0-0.5')	Soluble	Solid	DI Leach	
MB 880-71073/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-71073/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-71073/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-38036-1 MS	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-38036-1 MSD	H-1 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 71091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38036-1	H-1 (0-0.5')	Soluble	Solid	300.0	71073
880-38036-2	H-2(0-0.5')	Soluble	Solid	300.0	71073
880-38036-3	H-3(0-0.5')	Soluble	Solid	300.0	71073
880-38036-4	H-4(0-0.5')	Soluble	Solid	300.0	71073
MB 880-71073/1-A	Method Blank	Soluble	Solid	300.0	71073
LCS 880-71073/2-A	Lab Control Sample	Soluble	Solid	300.0	71073
LCSD 880-71073/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	71073
880-38036-1 MS	H-1 (0-0.5')	Soluble	Solid	300.0	71073
880-38036-1 MSD	H-1 (0-0.5')	Soluble	Solid	300.0	71073

Lab Chronicle

Client: Carmona Resources
Project/Site: Craig State 003H (12.12.23)

Job ID: 880-38036-1
SDG: Eddy County , New Mexico

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

Lab Sample ID: 880-38036-1
Matrix: Solid
Date Collected: 01/16/24 09:09
Date Received: 01/17/24 09:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	71001	01/17/24 10:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	71037	01/17/24 18:07	MNR	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	71122	01/18/24 13:49	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	71082	01/18/24 19:40	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	71073	01/17/24 15:48	SA	EET MID
Soluble	Analysis	300.0		1			71091	01/18/24 08:48	CH	EET MID

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

Lab Sample ID: 880-38036-2
Matrix: Solid
Date Collected: 01/16/24 09:09
Date Received: 01/17/24 09:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	71001	01/17/24 10:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	71037	01/17/24 18:28	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	71122	01/18/24 13:49	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	71082	01/18/24 22:29	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	71073	01/17/24 15:48	SA	EET MID
Soluble	Analysis	300.0		1			71091	01/18/24 09:03	CH	EET MID

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

Lab Sample ID: 880-38036-3
Matrix: Solid
Date Collected: 01/16/24 09:09
Date Received: 01/17/24 09:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	71001	01/17/24 10:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	71037	01/17/24 18:48	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	71122	01/18/24 13:49	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	71082	01/18/24 22:07	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	71073	01/17/24 15:48	SA	EET MID
Soluble	Analysis	300.0		1			71091	01/18/24 09:09	CH	EET MID

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

Lab Sample ID: 880-38036-4
Matrix: Solid
Date Collected: 01/16/24 09:09
Date Received: 01/17/24 09:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	71001	01/17/24 10:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	71037	01/17/24 19:09	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	71122	01/18/24 13:49	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	71082	01/18/24 22:53	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	71073	01/17/24 15:48	SA	EET MID
Soluble	Analysis	300.0		1			71091	01/18/24 09:14	CH	EET MID

Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Craig State 003H (12.12.23)

Job ID: 880-38036-1
SDG: Eddy County , New Mexico

Laboratory: Eurofins Midland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

Method Summary

Client: Carmona Resources
Project/Site: Craig State 003H (12.12.23)

Job ID: 880-38036-1
SDG: Eddy County , New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Craig State 003H (12.12.23)

Job ID: 880-38036-1
SDG: Eddy County , New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-38036-1	H-1 (0-0.5')	Solid	01/16/24 09:09	01/17/24 09:17
880-38036-2	H-2(0-0.5')	Solid	01/16/24 09:09	01/17/24 09:17
880-38036-3	H-3(0-0.5')	Solid	01/16/24 09:09	01/17/24 09:17
880-38036-4	H-4(0-0.5')	Solid	01/16/24 09:09	01/17/24 09:17

Chain of Custody

880-38036 Chain of Custody

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

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables EDD ☐ ADaPT ☐ Other:

Project Name:	Craig State 003H (12 12 23)	Turn Around	
Project Number:	2232	☐ Routine ☑ Rush	
Project Location	Eddy County, New Mexico	Due Date	72 HR
Sampler's Name:	JM		
PO #:			

SAMPLE RECEIPT	Temp Blank:	Yes (No)	Wet Ice	Yes No
Received Intact:	(Yes) No	Thermometer ID:		IR8
Cooler Custody Seals:	Yes No N/A	Correction Factor:		+.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:		1.0
Total Containers:		Corrected Temperature:		1.2

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0
H-1 (0-0.5')	1/16/2024		X		G	1	X	X	X
H-2 (0-0.5')	1/16/2024		X		G	1	X	X	X
H-3 (0-0 5')	1/16/2024		X		G	1	X	X	X
H-4 (0-0.5')	1/16/2024		X		G	1	X	X	X

ANALYSIS REQUEST

Preservative Codes

None NO DI Water H_2O

Cool Cool MeOH Me

HCL. HC HNO_3 HN

H_2S0_4. H_2 NaOH Na

H_3PO_4 HP

$NaHSO_4$. NABIS

$Na_2S_2O_3$ $NaSO_3$

Zn Acetate+NaOH Zn

NaOH+Ascorbic Acid SAPC

Sample Comments

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Carmona Chaves	1-17-24	Jasmine Urrutia	1/17/24 0909

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-38036-1
SDG Number: Eddy County , New Mexico

Login Number: 38036
List Number: 1
Creator: Wheeler, Jazmine

List Source: Eurofins Midland

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 1/22/2024 9:38:44 AM

JOB DESCRIPTION

Craig State 003H (12.12.23)
Eddy County , New Mexico

JOB NUMBER

880-38037-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

my EOL

Eurofins Midland

Job Notes

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

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

Authorization

Generated
1/22/2024 9:38:44 AM

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

Client: Carmona Resources
Project/Site: Craig State 003H (12.12.23)

Laboratory Job ID: 880-38037-1
SDG: Eddy County , New Mexico

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: Craig State 003H (12.12.23)

Job ID: 880-38037-1
SDG: Eddy County , New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Craig State 003H (12.12.23)

Job ID: 880-38037-1

Job ID: 880-38037-1 Eurofins Midland

Job Narrative
880-38037-1

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 1/17/2024 9:38 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.2°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: S-1(0-0.5') (880-38037-1), S-2(0-0.5') (880-38037-2), S-2(1') (880-38037-3), S-3(0-0.5') (880-38037-4), S-3(1') (880-38037-5) and S-3(1.5') (880-38037-6).

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

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-3(0-0.5') (880-38037-4), S-3(1') (880-38037-5), S-3(1.5') (880-38037-6), (880-37956-A-27-C MS) and (880-37956-A-27-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-70938 and analytical batch 880-71032 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (880-38036-A-1-E), (880-38036-A-1-F MS) and (880-38036-A-1-G MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-2(1') (880-38037-3), (880-38105-A-13-B MDLV) and (880-38105-A-14-B MDLV). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-71122 and analytical batch 880-71082 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-71082 recovered below the lower 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 880-71082/47).

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.

Client Sample Results

Client: Carmona Resources
Project/Site: Craig State 003H (12.12.23)

Job ID: 880-38037-1
SDG: Eddy County , New Mexico

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

Lab Sample ID: 880-38037-1
Matrix: Solid
Date Collected: 01/16/24 09:09
Date Received: 01/17/24 09:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/17/24 11:38	01/17/24 18:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/17/24 11:38	01/17/24 18:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/17/24 11:38	01/17/24 18:00	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		01/17/24 11:38	01/17/24 18:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/17/24 11:38	01/17/24 18:00	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/17/24 11:38	01/17/24 18:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*01/17/24 11:38*	*01/17/24 18:00*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*01/17/24 11:38*	*01/17/24 18:00*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		01/18/24 13:49	01/18/24 23:15	1
Diesel Range Organics (Over C10-C28)	**143**		50.3		mg/Kg		01/18/24 13:49	01/18/24 23:15	1
Oil Range Organics (Over C28-C36)	**56.2**		50.3		mg/Kg		01/18/24 13:49	01/18/24 23:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*73*		*70 - 130*	*01/18/24 13:49*	*01/18/24 23:15*	*1*
o-Terphenyl	*72*		*70 - 130*	*01/18/24 13:49*	*01/18/24 23:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**501**		4.98		mg/Kg			01/19/24 19:14	1

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

Lab Sample ID: 880-38037-2
Matrix: Solid
Date Collected: 01/16/24 09:09
Date Received: 01/17/24 09:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/17/24 11:38	01/17/24 18:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/17/24 11:38	01/17/24 18:20	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/17/24 11:38	01/17/24 18:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/17/24 11:38	01/17/24 18:20	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/17/24 11:38	01/17/24 18:20	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/17/24 11:38	01/17/24 18:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*01/17/24 11:38*	*01/17/24 18:20*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*01/17/24 11:38*	*01/17/24 18:20*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		01/18/24 13:49	01/18/24 23:37	1
Diesel Range Organics (Over C10-C28)	**150**		50.1		mg/Kg		01/18/24 13:49	01/18/24 23:37	1
Oil Range Organics (Over C28-C36)	**59.6**		50.1		mg/Kg		01/18/24 13:49	01/18/24 23:37	1

Client Sample Results

Client: Carmona Resources
Project/Site: Craig State 003H (12.12.23)

Job ID: 880-38037-1
SDG: Eddy County , New Mexico

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

Lab Sample ID: 880-38037-2
Matrix: Solid
Date Collected: 01/16/24 09:09
Date Received: 01/17/24 09:38

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*88*		*70 - 130*	*01/18/24 13:49*	*01/18/24 23:37*	*1*
o-Terphenyl	*84*		*70 - 130*	*01/18/24 13:49*	*01/18/24 23:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**354**		5.00		mg/Kg			01/19/24 19:29	1

Client Sample ID: S-2(1')

Lab Sample ID: 880-38037-3
Matrix: Solid
Date Collected: 01/16/24 09:09
Date Received: 01/17/24 09:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/17/24 11:38	01/17/24 18:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/17/24 11:38	01/17/24 18:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/17/24 11:38	01/17/24 18:40	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/17/24 11:38	01/17/24 18:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/17/24 11:38	01/17/24 18:40	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/17/24 11:38	01/17/24 18:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*01/17/24 11:38*	*01/17/24 18:40*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*01/17/24 11:38*	*01/17/24 18:40*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		01/18/24 13:49	01/19/24 00:26	1
Diesel Range Organics (Over C10-C28)	**124**		50.4		mg/Kg		01/18/24 13:49	01/19/24 00:26	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		01/18/24 13:49	01/19/24 00:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*70*		*70 - 130*	*01/18/24 13:49*	*01/19/24 00:26*	*1*
o-Terphenyl	*66*	*S1-*	*70 - 130*	*01/18/24 13:49*	*01/19/24 00:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**350**		4.95		mg/Kg			01/19/24 19:34	1

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

Lab Sample ID: 880-38037-4
Matrix: Solid
Date Collected: 01/16/24 09:09
Date Received: 01/17/24 09:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/17/24 11:38	01/17/24 19:01	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/17/24 11:38	01/17/24 19:01	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/17/24 11:38	01/17/24 19:01	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/17/24 11:38	01/17/24 19:01	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/17/24 11:38	01/17/24 19:01	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/17/24 11:38	01/17/24 19:01	1

Client Sample Results

Client: Carmona Resources
Project/Site: Craig State 003H (12.12.23)

Job ID: 880-38037-1
SDG: Eddy County , New Mexico

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

Lab Sample ID: 880-38037-4
Matrix: Solid
Date Collected: 01/16/24 09:09
Date Received: 01/17/24 09:38

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	01/17/24 11:38	01/17/24 19:01	1
1,4-Difluorobenzene (Surr)	109		70 - 130	01/17/24 11:38	01/17/24 19:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/17/24 16:38	01/18/24 03:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/17/24 16:38	01/18/24 03:39	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/17/24 16:38	01/18/24 03:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	67	S1-	70 - 130	01/17/24 16:38	01/18/24 03:39	1
o-Terphenyl	66	S1-	70 - 130	01/17/24 16:38	01/18/24 03:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	153		4.99		mg/Kg			01/19/24 19:39	1

Client Sample ID: S-3(1')

Lab Sample ID: 880-38037-5
Matrix: Solid
Date Collected: 01/16/24 09:09
Date Received: 01/17/24 09:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		01/17/24 11:38	01/17/24 19:21	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/17/24 11:38	01/17/24 19:21	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/17/24 11:38	01/17/24 19:21	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		01/17/24 11:38	01/17/24 19:21	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/17/24 11:38	01/17/24 19:21	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		01/17/24 11:38	01/17/24 19:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	01/17/24 11:38	01/17/24 19:21	1
1,4-Difluorobenzene (Surr)	105		70 - 130	01/17/24 11:38	01/17/24 19:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/17/24 16:38	01/18/24 04:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/17/24 16:38	01/18/24 04:01	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/17/24 16:38	01/18/24 04:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	65	S1-	70 - 130	01/17/24 16:38	01/18/24 04:01	1
o-Terphenyl	65	S1-	70 - 130	01/17/24 16:38	01/18/24 04:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	104		5.04		mg/Kg			01/19/24 19:44	1

Client Sample Results

Client: Carmona Resources
Project/Site: Craig State 003H (12.12.23)

Job ID: 880-38037-1
SDG: Eddy County , New Mexico

Client Sample ID: S-3(1.5')

Date Collected: 01/16/24 09:09
Date Received: 01/17/24 09:38

Lab Sample ID: 880-38037-6

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/17/24 11:38	01/17/24 19:42	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/17/24 11:38	01/17/24 19:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/17/24 11:38	01/17/24 19:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/17/24 11:38	01/17/24 19:42	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/17/24 11:38	01/17/24 19:42	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/17/24 11:38	01/17/24 19:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*01/17/24 11:38*	*01/17/24 19:42*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*01/17/24 11:38*	*01/17/24 19:42*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/17/24 16:38	01/18/24 04:22	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/17/24 16:38	01/18/24 04:22	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/17/24 16:38	01/18/24 04:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*67*	*S1-*	*70 - 130*	*01/17/24 16:38*	*01/18/24 04:22*	*1*
o-Terphenyl	*67*	*S1-*	*70 - 130*	*01/17/24 16:38*	*01/18/24 04:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**69.0**		4.97		mg/Kg			01/19/24 20:00	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Craig State 003H (12.12.23)

Job ID: 880-38037-1
SDG: Eddy County , New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-38037-1	S-1(0-0.5')	90	99
880-38037-1 MS	S-1(0-0.5')	121	99
880-38037-1 MSD	S-1(0-0.5')	107	106
880-38037-2	S-2(0-0.5')	108	101
880-38037-3	S-2(1')	106	107
880-38037-4	S-3(0-0.5')	108	109
880-38037-5	S-3(1')	110	105
880-38037-6	S-3(1.5')	115	100
LCS 880-71055/1-A	Lab Control Sample	99	102
LCSD 880-71055/2-A	Lab Control Sample Dup	115	102
MB 880-71055/5-A	Method Blank	118	122

Surrogate Legend

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

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-37956-A-27-C MS	Matrix Spike	70	67 S1-
880-37956-A-27-D MSD	Matrix Spike Duplicate	71	67 S1-
880-38036-A-1-F MS	Matrix Spike	75	69 S1-
880-38036-A-1-G MSD	Matrix Spike Duplicate	76	69 S1-
880-38037-1	S-1(0-0.5')	73	72
880-38037-2	S-2(0-0.5')	88	84
880-38037-3	S-2(1')	70	66 S1-
880-38037-4	S-3(0-0.5')	67 S1-	66 S1-
880-38037-5	S-3(1')	65 S1-	65 S1-
880-38037-6	S-3(1.5')	67 S1-	67 S1-
LCS 880-70938/2-A	Lab Control Sample	88	102
LCS 880-71122/2-A	Lab Control Sample	95	114
LCSD 880-70938/3-A	Lab Control Sample Dup	84	99
LCSD 880-71122/3-A	Lab Control Sample Dup	88	104
MB 880-70938/1-A	Method Blank	89	96
MB 880-71122/1-A	Method Blank	97	103

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Craig State 003H (12.12.23)

Job ID: 880-38037-1
SDG: Eddy County , New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-71055/5-A
Matrix: Solid
Analysis Batch: 71058

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 71055

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/17/24 11:38	01/17/24 17:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/17/24 11:38	01/17/24 17:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/17/24 11:38	01/17/24 17:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/17/24 11:38	01/17/24 17:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/17/24 11:38	01/17/24 17:31	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/17/24 11:38	01/17/24 17:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*01/17/24 11:38*	*01/17/24 17:31*	*1*
1,4-Difluorobenzene (Surr)	*122*		*70 - 130*	*01/17/24 11:38*	*01/17/24 17:31*	*1*

Lab Sample ID: LCS 880-71055/1-A
Matrix: Solid
Analysis Batch: 71058

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 71055

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1173		mg/Kg		117	70 - 130		
Toluene			0.100	0.1037		mg/Kg		104	70 - 130		
Ethylbenzene			0.100	0.09908		mg/Kg		99	70 - 130		
m-Xylene & p-Xylene			0.200	0.1848		mg/Kg		92	70 - 130		
o-Xylene			0.100	0.09542		mg/Kg		95	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: LCSD 880-71055/2-A
Matrix: Solid
Analysis Batch: 71058

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 71055

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1156		mg/Kg		116	70 - 130	1	35
Toluene			0.100	0.1075		mg/Kg		108	70 - 130	4	35
Ethylbenzene			0.100	0.1073		mg/Kg		107	70 - 130	8	35
m-Xylene & p-Xylene			0.200	0.2106		mg/Kg		105	70 - 130	13	35
o-Xylene			0.100	0.1106		mg/Kg		111	70 - 130	15	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 880-38037-1 MS
Matrix: Solid
Analysis Batch: 71058

Client Sample ID: S-1(0-0.5')
Prep Type: Total/NA
Prep Batch: 71055

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.0996	0.1087		mg/Kg		109	70 - 130		
Toluene	<0.00200	U	0.0996	0.09886		mg/Kg		99	70 - 130		

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Craig State 003H (12.12.23)

Job ID: 880-38037-1
SDG: Eddy County , New Mexico

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

Lab Sample ID: 880-38037-1 MS
Matrix: Solid
Analysis Batch: 71058

Client Sample ID: S-1(0-0.5')
Prep Type: Total/NA
Prep Batch: 71055

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.0996	0.09881		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.199	0.2052		mg/Kg		103	70 - 130
o-Xylene	<0.00200	U	0.0996	0.1144		mg/Kg		114	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 880-38037-1 MSD
Matrix: Solid
Analysis Batch: 71058

Client Sample ID: S-1(0-0.5')
Prep Type: Total/NA
Prep Batch: 71055

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0990	0.1188		mg/Kg		120	70 - 130	9	35
Toluene	<0.00200	U	0.0990	0.1033		mg/Kg		104	70 - 130	4	35
Ethylbenzene	<0.00200	U	0.0990	0.1018		mg/Kg		103	70 - 130	3	35
m-Xylene & p-Xylene	<0.00401	U	0.198	0.1974		mg/Kg		100	70 - 130	4	35
o-Xylene	<0.00200	U	0.0990	0.1024		mg/Kg		103	70 - 130	11	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

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

Lab Sample ID: MB 880-70938/1-A
Matrix: Solid
Analysis Batch: 71032

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 70938

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/15/24 16:38	01/17/24 19:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/15/24 16:38	01/17/24 19:28	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/15/24 16:38	01/17/24 19:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*01/15/24 16:38*	*01/17/24 19:28*	*1*
o-Terphenyl	*96*		*70 - 130*	*01/15/24 16:38*	*01/17/24 19:28*	*1*

Lab Sample ID: LCS 880-70938/2-A
Matrix: Solid
Analysis Batch: 71032

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 70938

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	985.8		mg/Kg		99	70 - 130
Diesel Range Organics (Over C10-C28)	1000	870.3		mg/Kg		87	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Craig State 003H (12.12.23)

Job ID: 880-38037-1
SDG: Eddy County , New Mexico

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

Lab Sample ID: LCS 880-70938/2-A
Matrix: Solid
Analysis Batch: 71032

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 70938

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	88		70 - 130
o-Terphenyl	102		70 - 130

Lab Sample ID: LCSD 880-70938/3-A
Matrix: Solid
Analysis Batch: 71032

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 70938

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	928.8		mg/Kg		93	70 - 130	6	20
Diesel Range Organics (Over C10-C28)			1000	872.8		mg/Kg		87	70 - 130	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	84		70 - 130
o-Terphenyl	99		70 - 130

Lab Sample ID: 880-37956-A-27-C MS
Matrix: Solid
Analysis Batch: 71032

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 70938

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U F1	999	692.1	F1	mg/Kg		65	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U	999	721.7		mg/Kg		71	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	70		70 - 130
o-Terphenyl	67	S1-	70 - 130

Lab Sample ID: 880-37956-A-27-D MSD
Matrix: Solid
Analysis Batch: 71032

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 70938

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U F1	999	707.0	F1	mg/Kg		67	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.8	U	999	741.0		mg/Kg		72	70 - 130	3	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	71		70 - 130
o-Terphenyl	67	S1-	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Craig State 003H (12.12.23)

Job ID: 880-38037-1
SDG: Eddy County , New Mexico

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

Lab Sample ID: MB 880-71122/1-A
Matrix: Solid
Analysis Batch: 71082

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 71122

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/18/24 13:49	01/18/24 18:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/18/24 13:49	01/18/24 18:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/18/24 13:49	01/18/24 18:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*01/18/24 13:49*	*01/18/24 18:37*	*1*
o-Terphenyl	*103*		*70 - 130*	*01/18/24 13:49*	*01/18/24 18:37*	*1*

Lab Sample ID: LCS 880-71122/2-A
Matrix: Solid
Analysis Batch: 71082

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 71122

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	925.5		mg/Kg		93	70 - 130
Diesel Range Organics (Over C10-C28)	1000	912.6		mg/Kg		91	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*95*		*70 - 130*
o-Terphenyl	*114*		*70 - 130*

Lab Sample ID: LCSD 880-71122/3-A
Matrix: Solid
Analysis Batch: 71082

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 71122

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	962.9		mg/Kg		96	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	906.8		mg/Kg		91	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*88*		*70 - 130*
o-Terphenyl	*104*		*70 - 130*

Lab Sample ID: 880-38036-A-1-F MS
Matrix: Solid
Analysis Batch: 71082

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 71122

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	1010	738.9		mg/Kg		70	70 - 130
Diesel Range Organics (Over C10-C28)	<50.1	U F1	1010	690.4	F1	mg/Kg		65	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Craig State 003H (12.12.23)

Job ID: 880-38037-1
SDG: Eddy County , New Mexico

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

Lab Sample ID: 880-38036-A-1-F MS
Matrix: Solid
Analysis Batch: 71082

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 71122

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	75		70 - 130
o-Terphenyl	69	S1-	70 - 130

Lab Sample ID: 880-38036-A-1-G MSD
Matrix: Solid
Analysis Batch: 71082

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 71122

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	1010	748.5		mg/Kg		71	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.1	U F1	1010	691.6	F1	mg/Kg		65	70 - 130	0	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	76		70 - 130
o-Terphenyl	69	S1-	70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-71042/1-A
Matrix: Solid
Analysis Batch: 71166

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			01/19/24 18:58	1

Lab Sample ID: LCS 880-71042/2-A
Matrix: Solid
Analysis Batch: 71166

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	261.6		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-71042/3-A
Matrix: Solid
Analysis Batch: 71166

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	263.4		mg/Kg		105	90 - 110	1	20

Lab Sample ID: 880-38037-1 MS
Matrix: Solid
Analysis Batch: 71166

Client Sample ID: S-1(0-0.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	501		249	768.6		mg/Kg		107	90 - 110

QC Sample Results

Client: Carmona Resources
Project/Site: Craig State 003H (12.12.23)

Job ID: 880-38037-1
SDG: Eddy County , New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-38037-1 MSD
Matrix: Solid
Analysis Batch: 71166

Client Sample ID: S-1(0-0.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	501		249	767.7		mg/Kg		107	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Craig State 003H (12.12.23)

Job ID: 880-38037-1
SDG: Eddy County , New Mexico

GC VOA

Prep Batch: 71055

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38037-1	S-1(0-0.5')	Total/NA	Solid	5035	
880-38037-2	S-2(0-0.5')	Total/NA	Solid	5035	
880-38037-3	S-2(1')	Total/NA	Solid	5035	
880-38037-4	S-3(0-0.5')	Total/NA	Solid	5035	
880-38037-5	S-3(1')	Total/NA	Solid	5035	
880-38037-6	S-3(1.5')	Total/NA	Solid	5035	
MB 880-71055/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-71055/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-71055/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-38037-1 MS	S-1(0-0.5')	Total/NA	Solid	5035	
880-38037-1 MSD	S-1(0-0.5')	Total/NA	Solid	5035	

Analysis Batch: 71058

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38037-1	S-1(0-0.5')	Total/NA	Solid	8021B	71055
880-38037-2	S-2(0-0.5')	Total/NA	Solid	8021B	71055
880-38037-3	S-2(1')	Total/NA	Solid	8021B	71055
880-38037-4	S-3(0-0.5')	Total/NA	Solid	8021B	71055
880-38037-5	S-3(1')	Total/NA	Solid	8021B	71055
880-38037-6	S-3(1.5')	Total/NA	Solid	8021B	71055
MB 880-71055/5-A	Method Blank	Total/NA	Solid	8021B	71055
LCS 880-71055/1-A	Lab Control Sample	Total/NA	Solid	8021B	71055
LCSD 880-71055/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	71055
880-38037-1 MS	S-1(0-0.5')	Total/NA	Solid	8021B	71055
880-38037-1 MSD	S-1(0-0.5')	Total/NA	Solid	8021B	71055

GC Semi VOA

Prep Batch: 70938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38037-4	S-3(0-0.5')	Total/NA	Solid	8015NM Prep	
880-38037-5	S-3(1')	Total/NA	Solid	8015NM Prep	
880-38037-6	S-3(1.5')	Total/NA	Solid	8015NM Prep	
MB 880-70938/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-70938/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-70938/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-37956-A-27-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-37956-A-27-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 71032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38037-4	S-3(0-0.5')	Total/NA	Solid	8015B NM	70938
880-38037-5	S-3(1')	Total/NA	Solid	8015B NM	70938
880-38037-6	S-3(1.5')	Total/NA	Solid	8015B NM	70938
MB 880-70938/1-A	Method Blank	Total/NA	Solid	8015B NM	70938
LCS 880-70938/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	70938
LCSD 880-70938/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	70938
880-37956-A-27-C MS	Matrix Spike	Total/NA	Solid	8015B NM	70938
880-37956-A-27-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	70938

QC Association Summary

Client: Carmona Resources
Project/Site: Craig State 003H (12.12.23)

Job ID: 880-38037-1
SDG: Eddy County , New Mexico

GC Semi VOA

Analysis Batch: 71082

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38037-1	S-1(0-0.5')	Total/NA	Solid	8015B NM	71122
880-38037-2	S-2(0-0.5')	Total/NA	Solid	8015B NM	71122
880-38037-3	S-2(1')	Total/NA	Solid	8015B NM	71122
MB 880-71122/1-A	Method Blank	Total/NA	Solid	8015B NM	71122
LCS 880-71122/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	71122
LCSD 880-71122/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	71122
880-38036-A-1-F MS	Matrix Spike	Total/NA	Solid	8015B NM	71122
880-38036-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	71122

Prep Batch: 71122

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38037-1	S-1(0-0.5')	Total/NA	Solid	8015NM Prep	
880-38037-2	S-2(0-0.5')	Total/NA	Solid	8015NM Prep	
880-38037-3	S-2(1')	Total/NA	Solid	8015NM Prep	
MB 880-71122/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-71122/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-71122/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-38036-A-1-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-38036-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 71042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38037-1	S-1(0-0.5')	Soluble	Solid	DI Leach	
880-38037-2	S-2(0-0.5')	Soluble	Solid	DI Leach	
880-38037-3	S-2(1')	Soluble	Solid	DI Leach	
880-38037-4	S-3(0-0.5')	Soluble	Solid	DI Leach	
880-38037-5	S-3(1')	Soluble	Solid	DI Leach	
880-38037-6	S-3(1.5')	Soluble	Solid	DI Leach	
MB 880-71042/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-71042/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-71042/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-38037-1 MS	S-1(0-0.5')	Soluble	Solid	DI Leach	
880-38037-1 MSD	S-1(0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 71166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38037-1	S-1(0-0.5')	Soluble	Solid	300.0	71042
880-38037-2	S-2(0-0.5')	Soluble	Solid	300.0	71042
880-38037-3	S-2(1')	Soluble	Solid	300.0	71042
880-38037-4	S-3(0-0.5')	Soluble	Solid	300.0	71042
880-38037-5	S-3(1')	Soluble	Solid	300.0	71042
880-38037-6	S-3(1.5')	Soluble	Solid	300.0	71042
MB 880-71042/1-A	Method Blank	Soluble	Solid	300.0	71042
LCS 880-71042/2-A	Lab Control Sample	Soluble	Solid	300.0	71042
LCSD 880-71042/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	71042
880-38037-1 MS	S-1(0-0.5')	Soluble	Solid	300.0	71042
880-38037-1 MSD	S-1(0-0.5')	Soluble	Solid	300.0	71042

Lab Chronicle

Client: Carmona Resources
Project/Site: Craig State 003H (12.12.23)

Job ID: 880-38037-1
SDG: Eddy County , New Mexico

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

Lab Sample ID: 880-38037-1
Matrix: Solid
Date Collected: 01/16/24 09:09
Date Received: 01/17/24 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	71055	01/17/24 11:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	71058	01/17/24 18:00	MNR	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	71122	01/18/24 13:49	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	71082	01/18/24 23:15	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	71042	01/17/24 11:05	SA	EET MID
Soluble	Analysis	300.0		1			71166	01/19/24 19:14	SMC	EET MID

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

Lab Sample ID: 880-38037-2
Matrix: Solid
Date Collected: 01/16/24 09:09
Date Received: 01/17/24 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	71055	01/17/24 11:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	71058	01/17/24 18:20	MNR	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	71122	01/18/24 13:49	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	71082	01/18/24 23:37	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	71042	01/17/24 11:05	SA	EET MID
Soluble	Analysis	300.0		1			71166	01/19/24 19:29	SMC	EET MID

Client Sample ID: S-2(1')

Lab Sample ID: 880-38037-3
Matrix: Solid
Date Collected: 01/16/24 09:09
Date Received: 01/17/24 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	71055	01/17/24 11:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	71058	01/17/24 18:40	MNR	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	71122	01/18/24 13:49	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	71082	01/19/24 00:26	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	71042	01/17/24 11:05	SA	EET MID
Soluble	Analysis	300.0		1			71166	01/19/24 19:34	SMC	EET MID

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

Lab Sample ID: 880-38037-4
Matrix: Solid
Date Collected: 01/16/24 09:09
Date Received: 01/17/24 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	71055	01/17/24 11:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	71058	01/17/24 19:01	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	70938	01/17/24 16:38	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	71032	01/18/24 03:39	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	71042	01/17/24 11:05	SA	EET MID
Soluble	Analysis	300.0		1			71166	01/19/24 19:39	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Craig State 003H (12.12.23)

Job ID: 880-38037-1
SDG: Eddy County , New Mexico

Client Sample ID: S-3(1')

Lab Sample ID: 880-38037-5
Matrix: Solid
Date Collected: 01/16/24 09:09
Date Received: 01/17/24 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	71055	01/17/24 11:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	71058	01/17/24 19:21	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	70938	01/17/24 16:38	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	71032	01/18/24 04:01	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	71042	01/17/24 11:05	SA	EET MID
Soluble	Analysis	300.0		1			71166	01/19/24 19:44	SMC	EET MID

Client Sample ID: S-3(1.5')

Lab Sample ID: 880-38037-6
Matrix: Solid
Date Collected: 01/16/24 09:09
Date Received: 01/17/24 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	71055	01/17/24 11:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	71058	01/17/24 19:42	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	70938	01/17/24 16:38	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	71032	01/18/24 04:22	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	71042	01/17/24 11:05	SA	EET MID
Soluble	Analysis	300.0		1			71166	01/19/24 20:00	SMC	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: 880-38037-1
Project/Site: Craig State 003H (12.12.23)
SDG: Eddy County , New Mexico

Laboratory: Eurofins Midland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

Method Summary

Client: Carmona Resources
Project/Site: Craig State 003H (12.12.23)

Job ID: 880-38037-1
SDG: Eddy County , New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Craig State 003H (12.12.23)

Job ID: 880-38037-1
SDG: Eddy County , New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-38037-1	S-1(0-0.5')	Solid	01/16/24 09:09	01/17/24 09:38
880-38037-2	S-2(0-0.5')	Solid	01/16/24 09:09	01/17/24 09:38
880-38037-3	S-2(1')	Solid	01/16/24 09:09	01/17/24 09:38
880-38037-4	S-3(0-0.5')	Solid	01/16/24 09:09	01/17/24 09:38
880-38037-5	S-3(1')	Solid	01/16/24 09:09	01/17/24 09:38
880-38037-6	S-3(1.5')	Solid	01/16/24 09:09	01/17/24 09:38

Chain of Custody

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

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐
Deliverables EDD ☐ ADaPT ☐ Other:

Project Name:	Craig State 003H (12 12 23)	Turn Around	
Project Number:	2232	☐ Routine ☑ Rush	
Project Location	Eddy County, New Mexico	Due Date:	72 HR
Sampler's Name:	JM		
PO #:			

SAMPLE RECEIPT	Temp Blank:	Yes (No)	Wet Ice:	Yes No
Received Intact:	(Yes) No	Thermometer ID:		IR8
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:		+2.6
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:		1.0
Total Containers:		Corrected Temperature:		1.2

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
S-1 (0-0 5')	1/16/2024		X		G	1	X	X	X	
S-2 (0-0 5')	1/16/2024		X		G	1	X	X	X	
S-2 (1')	1/16/2024		X		G	1	X	X	X	
S-3 (0-0 5')	1/16/2024		X		G	1	X	X	X	
S-3 (1')	1/16/2024		X		G	1	X	X	X	
S-3 (1 5')	1/16/2024		X		G	1	X	X	X	

Preservative Codes
None: NO DI Water: H_2O
Cool: Cool MeOH: Me
HCL: HC HNO_3: HN
H_2S0_4: H_2 NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Mcarmona Moehring		Jasmine	1/17/24
	1-17-24		9:09

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-38037-1
SDG Number: Eddy County , New Mexico

Login Number: 38037
List Number: 1
Creator: Wheeler, Jazmine

List Source: Eurofins Midland

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

CARDINAL Laboratories

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

February 02, 2024

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: CRAIG STATE 003H (12.12.23)

Enclosed are the results of analyses for samples received by the laboratory on 02/01/24 15:02.

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

Cardinal Laboratories is 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)

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,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	02/01/2024	Sampling Date:	02/01/2024
Reported:	02/02/2024	Sampling Type:	Soil
Project Name:	CRAIG STATE 003H (12.12.23)	Sampling Condition:	Cool & Intact
Project Number:	2232	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

Sample ID: CS - 1 (1') (H240493-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2024	ND	2.20	110	2.00	3.53	
Toluene*	<0.050	0.050	02/01/2024	ND	2.19	109	2.00	3.53	
Ethylbenzene*	<0.050	0.050	02/01/2024	ND	2.18	109	2.00	3.50	
Total Xylenes*	<0.150	0.150	02/01/2024	ND	6.37	106	6.00	3.39	
Total BTEX	<0.300	0.300	02/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.1 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	02/02/2024	ND	448	112	400	7.41	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2024	ND	188	94.2	200	2.85	
DRO >C10-C28*	<10.0	10.0	02/01/2024	ND	188	93.8	200	3.56	
EXT DRO >C28-C36	<10.0	10.0	02/01/2024	ND					

Surrogate: 1-Chlorooctane *94.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *101 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	02/01/2024	Sampling Date:	02/01/2024
Reported:	02/02/2024	Sampling Type:	Soil
Project Name:	CRAIG STATE 003H (12.12.23)	Sampling Condition:	Cool & Intact
Project Number:	2232	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

Sample ID: CS - 2 (1') (H240493-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2024	ND	2.20	110	2.00	3.53	
Toluene*	<0.050	0.050	02/01/2024	ND	2.19	109	2.00	3.53	
Ethylbenzene*	<0.050	0.050	02/01/2024	ND	2.18	109	2.00	3.50	
Total Xylenes*	<0.150	0.150	02/01/2024	ND	6.37	106	6.00	3.39	
Total BTEX	<0.300	0.300	02/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.2 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	02/02/2024	ND	448	112	400	7.41	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2024	ND	188	94.2	200	2.85	
DRO >C10-C28*	<10.0	10.0	02/01/2024	ND	188	93.8	200	3.56	
EXT DRO >C28-C36	<10.0	10.0	02/01/2024	ND					

Surrogate: 1-Chlorooctane *80.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *86.9 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	02/01/2024	Sampling Date:	02/01/2024
Reported:	02/02/2024	Sampling Type:	Soil
Project Name:	CRAIG STATE 003H (12.12.23)	Sampling Condition:	Cool & Intact
Project Number:	2232	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

Sample ID: CS - 3 (1') (H240493-03)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2024	ND	2.20	110	2.00	3.53	
Toluene*	<0.050	0.050	02/01/2024	ND	2.19	109	2.00	3.53	
Ethylbenzene*	<0.050	0.050	02/01/2024	ND	2.18	109	2.00	3.50	
Total Xylenes*	<0.150	0.150	02/01/2024	ND	6.37	106	6.00	3.39	
Total BTEX	<0.300	0.300	02/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: CT**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	02/02/2024	ND	448	112	400	7.41	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2024	ND	188	94.2	200	2.85	
DRO >C10-C28*	<10.0	10.0	02/01/2024	ND	188	93.8	200	3.56	
EXT DRO >C28-C36	<10.0	10.0	02/01/2024	ND					

Surrogate: 1-Chlorooctane *82.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *86.2 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	02/01/2024	Sampling Date:	02/01/2024
Reported:	02/02/2024	Sampling Type:	Soil
Project Name:	CRAIG STATE 003H (12.12.23)	Sampling Condition:	Cool & Intact
Project Number:	2232	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

Sample ID: CS - 4 (1') (H240493-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2024	ND	2.20	110	2.00	3.53	
Toluene*	<0.050	0.050	02/01/2024	ND	2.19	109	2.00	3.53	
Ethylbenzene*	<0.050	0.050	02/01/2024	ND	2.18	109	2.00	3.50	
Total Xylenes*	<0.150	0.150	02/01/2024	ND	6.37	106	6.00	3.39	
Total BTEX	<0.300	0.300	02/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	02/02/2024	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2024	ND	188	94.2	200	2.85	
DRO >C10-C28*	<10.0	10.0	02/01/2024	ND	188	93.8	200	3.56	
EXT DRO >C28-C36	<10.0	10.0	02/01/2024	ND					

Surrogate: 1-Chlorooctane *93.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *103 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	02/01/2024	Sampling Date:	02/01/2024
Reported:	02/02/2024	Sampling Type:	Soil
Project Name:	CRAIG STATE 003H (12.12.23)	Sampling Condition:	Cool & Intact
Project Number:	2232	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

Sample ID: CS - 5 (1.5') (H240493-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2024	ND	2.20	110	2.00	3.53	
Toluene*	<0.050	0.050	02/01/2024	ND	2.19	109	2.00	3.53	
Ethylbenzene*	<0.050	0.050	02/01/2024	ND	2.18	109	2.00	3.50	
Total Xylenes*	<0.150	0.150	02/01/2024	ND	6.37	106	6.00	3.39	
Total BTEX	<0.300	0.300	02/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.8 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	02/02/2024	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2024	ND	188	94.2	200	2.85	
DRO >C10-C28*	<10.0	10.0	02/01/2024	ND	188	93.8	200	3.56	
EXT DRO >C28-C36	<10.0	10.0	02/01/2024	ND					

Surrogate: 1-Chlorooctane *89.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *96.1 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	02/01/2024	Sampling Date:	02/01/2024
Reported:	02/02/2024	Sampling Type:	Soil
Project Name:	CRAIG STATE 003H (12.12.23)	Sampling Condition:	Cool & Intact
Project Number:	2232	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

Sample ID: SW - 1 (1') (H240493-06)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2024	ND	2.20	110	2.00	3.53	
Toluene*	<0.050	0.050	02/01/2024	ND	2.19	109	2.00	3.53	
Ethylbenzene*	<0.050	0.050	02/01/2024	ND	2.18	109	2.00	3.50	
Total Xylenes*	<0.150	0.150	02/01/2024	ND	6.37	106	6.00	3.39	
Total BTEX	<0.300	0.300	02/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.8 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	02/02/2024	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2024	ND	188	94.2	200	2.85	
DRO >C10-C28*	<10.0	10.0	02/01/2024	ND	188	93.8	200	3.56	
EXT DRO >C28-C36	<10.0	10.0	02/01/2024	ND					

Surrogate: 1-Chlorooctane *92.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *101 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	02/01/2024	Sampling Date:	02/01/2024
Reported:	02/02/2024	Sampling Type:	Soil
Project Name:	CRAIG STATE 003H (12.12.23)	Sampling Condition:	Cool & Intact
Project Number:	2232	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

Sample ID: SW - 2 (1') (H240493-07)

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	02/01/2024	ND	2.20	110	2.00	3.53	
Toluene*	<0.050	0.050	02/01/2024	ND	2.19	109	2.00	3.53	
Ethylbenzene*	<0.050	0.050	02/01/2024	ND	2.18	109	2.00	3.50	
Total Xylenes*	<0.150	0.150	02/01/2024	ND	6.37	106	6.00	3.39	
Total BTEX	<0.300	0.300	02/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	02/02/2024	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2024	ND	188	94.2	200	2.85	
DRO >C10-C28*	<10.0	10.0	02/01/2024	ND	188	93.8	200	3.56	
EXT DRO >C28-C36	<10.0	10.0	02/01/2024	ND					

Surrogate: 1-Chlorooctane *93.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *102 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	02/01/2024	Sampling Date:	02/01/2024
Reported:	02/02/2024	Sampling Type:	Soil
Project Name:	CRAIG STATE 003H (12.12.23)	Sampling Condition:	Cool & Intact
Project Number:	2232	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

Sample ID: SW - 3 (1.5') (H240493-08)

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	02/01/2024	ND	2.20	110	2.00	3.53	
Toluene*	<0.050	0.050	02/01/2024	ND	2.19	109	2.00	3.53	
Ethylbenzene*	<0.050	0.050	02/01/2024	ND	2.18	109	2.00	3.50	
Total Xylenes*	<0.150	0.150	02/01/2024	ND	6.37	106	6.00	3.39	
Total BTEX	<0.300	0.300	02/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.5 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	02/02/2024	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2024	ND	211	105	200	5.65	
DRO >C10-C28*	<10.0	10.0	02/01/2024	ND	212	106	200	6.81	
EXT DRO >C28-C36	<10.0	10.0	02/01/2024	ND					

Surrogate: 1-Chlorooctane *99.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *97.4 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	02/01/2024	Sampling Date:	02/01/2024
Reported:	02/02/2024	Sampling Type:	Soil
Project Name:	CRAIG STATE 003H (12.12.23)	Sampling Condition:	Cool & Intact
Project Number:	2232	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

Sample ID: SW - 4 (1.5') (H240493-09)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2024	ND	2.20	110	2.00	3.53	
Toluene*	<0.050	0.050	02/01/2024	ND	2.19	109	2.00	3.53	
Ethylbenzene*	<0.050	0.050	02/01/2024	ND	2.18	109	2.00	3.50	
Total Xylenes*	<0.150	0.150	02/01/2024	ND	6.37	106	6.00	3.39	
Total BTEX	<0.300	0.300	02/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.6 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	02/02/2024	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2024	ND	211	105	200	5.65	
DRO >C10-C28*	<10.0	10.0	02/01/2024	ND	212	106	200	6.81	
EXT DRO >C28-C36	<10.0	10.0	02/01/2024	ND					

Surrogate: 1-Chlorooctane *95.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *92.0 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	02/01/2024	Sampling Date:	02/01/2024
Reported:	02/02/2024	Sampling Type:	Soil
Project Name:	CRAIG STATE 003H (12.12.23)	Sampling Condition:	Cool & Intact
Project Number:	2232	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

Sample ID: SW - 5 (1.5') (H240493-10)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2024	ND	2.20	110	2.00	3.53	
Toluene*	<0.050	0.050	02/01/2024	ND	2.19	109	2.00	3.53	
Ethylbenzene*	<0.050	0.050	02/01/2024	ND	2.18	109	2.00	3.50	
Total Xylenes*	<0.150	0.150	02/01/2024	ND	6.37	106	6.00	3.39	
Total BTEX	<0.300	0.300	02/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.6 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	02/02/2024	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2024	ND	211	105	200	5.65	
DRO >C10-C28*	<10.0	10.0	02/01/2024	ND	212	106	200	6.81	
EXT DRO >C28-C36	<10.0	10.0	02/01/2024	ND					

Surrogate: 1-Chlorooctane *92.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *89.4 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	02/01/2024	Sampling Date:	02/01/2024
Reported:	02/02/2024	Sampling Type:	Soil
Project Name:	CRAIG STATE 003H (12.12.23)	Sampling Condition:	Cool & Intact
Project Number:	2232	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

Sample ID: SW - 6 (1.5') (H240493-11)

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	02/01/2024	ND	2.20	110	2.00	3.53	
Toluene*	<0.050	0.050	02/01/2024	ND	2.19	109	2.00	3.53	
Ethylbenzene*	<0.050	0.050	02/01/2024	ND	2.18	109	2.00	3.50	
Total Xylenes*	<0.150	0.150	02/01/2024	ND	6.37	106	6.00	3.39	
Total BTEX	<0.300	0.300	02/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.5 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	02/02/2024	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2024	ND	211	105	200	5.65	
DRO >C10-C28*	<10.0	10.0	02/01/2024	ND	212	106	200	6.81	
EXT DRO >C28-C36	<10.0	10.0	02/01/2024	ND					

Surrogate: 1-Chlorooctane *96.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *93.8 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	02/01/2024	Sampling Date:	02/01/2024
Reported:	02/02/2024	Sampling Type:	Soil
Project Name:	CRAIG STATE 003H (12.12.23)	Sampling Condition:	Cool & Intact
Project Number:	2232	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

Sample ID: SW - 7 (1') (H240493-12)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2024	ND	2.20	110	2.00	3.53	
Toluene*	<0.050	0.050	02/01/2024	ND	2.19	109	2.00	3.53	
Ethylbenzene*	<0.050	0.050	02/01/2024	ND	2.18	109	2.00	3.50	
Total Xylenes*	<0.150	0.150	02/01/2024	ND	6.37	106	6.00	3.39	
Total BTEX	<0.300	0.300	02/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.4 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	02/02/2024	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2024	ND	211	105	200	5.65	
DRO >C10-C28*	<10.0	10.0	02/02/2024	ND	212	106	200	6.81	
EXT DRO >C28-C36	<10.0	10.0	02/02/2024	ND					

Surrogate: 1-Chlorooctane *103 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *99.8 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	02/01/2024	Sampling Date:	02/01/2024
Reported:	02/02/2024	Sampling Type:	Soil
Project Name:	CRAIG STATE 003H (12.12.23)	Sampling Condition:	Cool & Intact
Project Number:	2232	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

Sample ID: SW - 8 (1') (H240493-13)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2024	ND	2.20	110	2.00	3.53	
Toluene*	<0.050	0.050	02/01/2024	ND	2.19	109	2.00	3.53	
Ethylbenzene*	<0.050	0.050	02/01/2024	ND	2.18	109	2.00	3.50	
Total Xylenes*	<0.150	0.150	02/01/2024	ND	6.37	106	6.00	3.39	
Total BTEX	<0.300	0.300	02/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.4 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	02/02/2024	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2024	ND	211	105	200	5.65	
DRO >C10-C28*	<10.0	10.0	02/02/2024	ND	212	106	200	6.81	
EXT DRO >C28-C36	<10.0	10.0	02/02/2024	ND					

Surrogate: 1-Chlorooctane *96.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *92.1 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	02/01/2024	Sampling Date:	02/01/2024
Reported:	02/02/2024	Sampling Type:	Soil
Project Name:	CRAIG STATE 003H (12.12.23)	Sampling Condition:	Cool & Intact
Project Number:	2232	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

Sample ID: SW - 9 (1') (H240493-14)

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	02/01/2024	ND	2.20	110	2.00	3.53	
Toluene*	<0.050	0.050	02/01/2024	ND	2.19	109	2.00	3.53	
Ethylbenzene*	<0.050	0.050	02/01/2024	ND	2.18	109	2.00	3.50	
Total Xylenes*	<0.150	0.150	02/01/2024	ND	6.37	106	6.00	3.39	
Total BTEX	<0.300	0.300	02/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.4 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	02/02/2024	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2024	ND	211	105	200	5.65	
DRO >C10-C28*	<10.0	10.0	02/02/2024	ND	212	106	200	6.81	
EXT DRO >C28-C36	<10.0	10.0	02/02/2024	ND					

Surrogate: 1-Chlorooctane *95.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *90.1 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	02/01/2024	Sampling Date:	02/01/2024
Reported:	02/02/2024	Sampling Type:	Soil
Project Name:	CRAIG STATE 003H (12.12.23)	Sampling Condition:	Cool & Intact
Project Number:	2232	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

Sample ID: SW - 10 (1') (H240493-15)

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	02/01/2024	ND	2.20	110	2.00	3.53	
Toluene*	<0.050	0.050	02/01/2024	ND	2.19	109	2.00	3.53	
Ethylbenzene*	<0.050	0.050	02/01/2024	ND	2.18	109	2.00	3.50	
Total Xylenes*	<0.150	0.150	02/01/2024	ND	6.37	106	6.00	3.39	
Total BTEX	<0.300	0.300	02/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.6 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	02/02/2024	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2024	ND	211	105	200	5.65	
DRO >C10-C28*	<10.0	10.0	02/02/2024	ND	212	106	200	6.81	
EXT DRO >C28-C36	<10.0	10.0	02/02/2024	ND					

Surrogate: 1-Chlorooctane *97.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *94.7 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	02/01/2024	Sampling Date:	02/01/2024
Reported:	02/02/2024	Sampling Type:	Soil
Project Name:	CRAIG STATE 003H (12.12.23)	Sampling Condition:	Cool & Intact
Project Number:	2232	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

Sample ID: SW - 11 (1') (H240493-16)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2024	ND	2.20	110	2.00	3.53	
Toluene*	<0.050	0.050	02/01/2024	ND	2.19	109	2.00	3.53	
Ethylbenzene*	<0.050	0.050	02/01/2024	ND	2.18	109	2.00	3.50	
Total Xylenes*	<0.150	0.150	02/01/2024	ND	6.37	106	6.00	3.39	
Total BTEX	<0.300	0.300	02/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.4 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	02/02/2024	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2024	ND	211	105	200	5.65	
DRO >C10-C28*	<10.0	10.0	02/02/2024	ND	212	106	200	6.81	
EXT DRO >C28-C36	<10.0	10.0	02/02/2024	ND					

Surrogate: 1-Chlorooctane *93.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *90.3 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	02/01/2024	Sampling Date:	02/01/2024
Reported:	02/02/2024	Sampling Type:	Soil
Project Name:	CRAIG STATE 003H (12.12.23)	Sampling Condition:	Cool & Intact
Project Number:	2232	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

Sample ID: CS - 6 (1.5') (H240493-17)

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	02/01/2024	ND	2.20	110	2.00	3.53	
Toluene*	<0.050	0.050	02/01/2024	ND	2.19	109	2.00	3.53	
Ethylbenzene*	<0.050	0.050	02/01/2024	ND	2.18	109	2.00	3.50	
Total Xylenes*	<0.150	0.150	02/01/2024	ND	6.37	106	6.00	3.39	
Total BTEX	<0.300	0.300	02/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.3 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	02/02/2024	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2024	ND	211	105	200	5.65	
DRO >C10-C28*	<10.0	10.0	02/02/2024	ND	212	106	200	6.81	
EXT DRO >C28-C36	<10.0	10.0	02/02/2024	ND					

Surrogate: 1-Chlorooctane *87.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *83.1 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H240493

Page 1 of 1

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

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Craig State 003H (12.12.23)	Turn Around	☐ Routine ☑ Rush
Project Number:	2232	Due Date:	24 HR
Project Location	Eddy County, New Mexico		
Sampler's Name:	JM		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	Yes (No)
Received Intact:	(Yes) No	Thermometer ID:	140
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	2.5c
Total Containers:		Corrected Temperature:	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	Sample Comments
CS-1 (1')	2/1/2024		X		C	1		X	X	X	1
CS-2 (1')	2/1/2024		X		C	1		X	X	X	2
CS-3 (1')	2/1/2024		X		C	1		X	X	X	3
CS-4 (1')	2/1/2024		X		C	1		X	X	X	4
CS-5 (1.5')	2/1/2024		X		C	1		X	X	X	5
SW-1 (1')	2/1/2024		X		C	1		X	X	X	6
SW-2 (1')	2/1/2024		X		C	1		X	X	X	7
SW-3 (1.5')	2/1/2024		X		C	1		X	X	X	8
SW-4 (1.5')	2/1/2024		X		C	1		X	X	X	9
SW-5 (1.5')	2/1/2024		X		C	1		X	X	X	10

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Joe Mcnall	2/21/24	S Rodriguez	2.24 1503

Chain of Custody

Work Order No: H240493

Page 1 of 1

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

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Craig State 003H (12.12.23)	Turn Around	☐ Routine ☑ Rush
Project Number:	2232	Due Date:	24 HR
Project Location	Eddy County, New Mexico		
Sampler's Name:	JM		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	Yes (No)
Received Intact:	(Yes) No	Thermometer ID:	140
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	—
Sample Custody Seals:	Yes (No) N/A	Temperature Reading:	2-5c
Total Containers:		Corrected Temperature:	

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	Sample Comments
SW-6 (1.5')	2/1/2024		X		C	1		X	X	X	11
SW-7 (1')	2/1/2024		X		C	1		X	X	X	12
SW-8 (1')	2/1/2024		X		C	1		X	X	X	13
SW-9 (1')	2/1/2024		X		C	1		X	X	X	14
SW-10 (1')	2/1/2024		X		C	1		X	X	X	15
SW-11 (1')	2/1/2024		X		C	1		X	X	X	16
CS-6 (1.5')	2-1-24		X		C	1		X	X	X	17

Preservative Codes

None: NO — DI Water: H_2O

Cool: Cool — MeOH: Me

HCL: HC — HNO_3: HN

H_2S0_4: H_2 — NaOH: Na

H_3PO_4: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Jose Moreno	1/31/2	Rodriguez	2-1-24 1502

CARDINAL Laboratories

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

February 12, 2024

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: CRAIG STATE 003H (12.12.23)

Enclosed are the results of analyses for samples received by the laboratory on 02/09/24 16:20.

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

Cardinal Laboratories is 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)

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

CARDINAL Laboratories

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

Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	02/09/2024	Sampling Date:	02/01/2024
Reported:	02/12/2024	Sampling Type:	Soil
Project Name:	CRAIG STATE 003H (12.12.23)	Sampling Condition:	Cool & Intact
Project Number:	2232	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

Sample ID: H - 2 (0-1') (H240644-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/09/2024	ND	2.19	109	2.00	13.8	
Toluene*	<0.050	0.050	02/09/2024	ND	2.20	110	2.00	14.2	
Ethylbenzene*	<0.050	0.050	02/09/2024	ND	2.18	109	2.00	14.1	
Total Xylenes*	<0.150	0.150	02/09/2024	ND	6.56	109	6.00	12.3	
Total BTEX	<0.300	0.300	02/09/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/12/2024	ND	464	116	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2024	ND	188	93.9	200	0.0389	
DRO >C10-C28*	<10.0	10.0	02/09/2024	ND	194	96.9	200	2.40	
EXT DRO >C28-C36	<10.0	10.0	02/09/2024	ND					

Surrogate: 1-Chlorooctane *80.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *73.5 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	02/09/2024	Sampling Date:	02/01/2024
Reported:	02/12/2024	Sampling Type:	Soil
Project Name:	CRAIG STATE 003H (12.12.23)	Sampling Condition:	Cool & Intact
Project Number:	2232	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

Sample ID: H - 3 (0-1') (H240644-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/09/2024	ND	2.19	109	2.00	13.8	
Toluene*	<0.050	0.050	02/09/2024	ND	2.20	110	2.00	14.2	
Ethylbenzene*	<0.050	0.050	02/09/2024	ND	2.18	109	2.00	14.1	
Total Xylenes*	<0.150	0.150	02/09/2024	ND	6.56	109	6.00	12.3	
Total BTEX	<0.300	0.300	02/09/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/12/2024	ND	464	116	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2024	ND	188	93.9	200	0.0389	
DRO >C10-C28*	<10.0	10.0	02/09/2024	ND	194	96.9	200	2.40	
EXT DRO >C28-C36	<10.0	10.0	02/09/2024	ND					

Surrogate: 1-Chlorooctane *80.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *74.8 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H240644

Page 1 of 1

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

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Craig State 003H (12.12.23)	Turn Around	☐ Routine ☑ Rush
Project Number:	2232		
Project Location	Eddy County, New Mexico	Due Date:	24 HR
Sampler's Name:	JM		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	Yes (No)
Received Intact:	(Yes) No	Thermometer ID:	140
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	
Sample Custody Seals:	Yes (No) N/A	Temperature Reading:	3.9c
Total Containers:		Corrected Temperature:	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	Sample Comments
H-2 (0-1')	2/1/2024		X		C	1		X	X	X	1
H-3 (0-1')	2/1/2024		X		C	1		X	X	X	2

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	2-9-24 1620		

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

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

QUESTIONS

Action 316540

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 316540
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2334825158**
Incident Name	**NAPP2334825158 CRAIG STATE #3H @ 30-015-41971**
Incident Type	**Fire**
Incident Status	**Remediation Closure Report Received**
Incident Well	**[30-015-41971] CRAIG STATE #003H**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Craig State #3H
Date Release Discovered	12/13/2023
Surface Owner	State

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

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

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

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

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 316540
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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

I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 02/22/2024

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

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

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 316540
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (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	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Zero feet, overlying, or within area
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	80
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	1467
GRO+DRO (EPA SW-846 Method 8015M)	1140
BTEX (EPA SW-846 Method 8021B or 8260B)	0.5
Benzene (EPA SW-846 Method 8021B or 8260B)	0.5
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	01/30/2024
On what date will (or did) the final sampling or liner inspection occur	02/02/2024
On what date will (or was) the remediation complete(d)	02/05/2024
What is the estimated surface area (in square feet) that will be reclaimed	815
What is the estimated volume (in cubic yards) that will be reclaimed	80
What is the estimated surface area (in square feet) that will be remediated	815
What is the estimated volume (in cubic yards) that will be remediated	80
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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

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

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 316540
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	Craig State 3H RT Battery [fAPP2203433609]
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: 02/22/2024
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.	

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

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

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 316540
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only *Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.*	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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

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

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 316540
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**316544**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**01/30/2024**
What was the (estimated) number of samples that were to be gathered	**7**
What was the sampling surface area in square feet	**815**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Was this release entirely contained within a lined containment area	**No**
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	815
What was the total volume (cubic yards) remediated	80
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	815
What was the total volume (in cubic yards) reclaimed	80
Summarize any additional remediation activities not included by answers (above)	none

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

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

I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 02/22/2024

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

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

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 316540
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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

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

CONDITIONS

Action 316540

CONDITIONS

Operator:	OGRID:
COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	229137
	Action Number: 316540
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scwells	Operator failed to provide proper Sampling Notification pursuant to 19.15.29.12.D.(1).(a) NMAC. Failure to provide proper sampling notice is a compliance issue and OCD may pursue compliance actions pursuant to 19.15.5 NMAC. Operator shall ensure future compliance with 19.15.29.12.D.(1).(a) NMAC. Email attached in report was for another incident and C-141N submitted online stated samples were to be collected on 1/30/2024 when they were collected on 2/1/2024.	4/15/2024