

CARMONA RESOURCES



SITE INFORMATION

Closure Report
Cotton Draw Unit #615H
Eddy County, New Mexico
Incident ID: nAPP2513241074
Unit D Sec 25 T24S R31E
32.195469°, -103.737589°

Produced Water Release
Point of Release: Frac Tank Overflow
Release Date: 05/11/2025
Volume Released: 157 barrels of Produced Water
Volume Recovered: 120 barrels of Produced Water

CARMONA RESOURCES



Prepared for:
Devon Energy Production Company, LP
333 West Sheridan Ave
Oklahoma City, OK 73102

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



TABLE OF CONTENTS

1.0 SITE INFORMATION AND BACKGROUND

2.0 SITE CHARACTERIZATION AND GROUNDWATER

3.0 NMAC REGULATORY CRITERIA

4.0 SITE ASSESSMENT ACTIVITIES

5.0 REMEDIATION ACTIVITIES

6.0 CONCLUSIONS

FIGURES

FIGURE 1	OVERVIEW	FIGURE 2	TOPOGRAPHIC
FIGURE 3	SAMPLE LOCATION	FIGURE 4	EXCAVATION

APPENDICES

APPENDIX A	TABLES
APPENDIX B	PHOTOS
APPENDIX C	NOTICE OF RELEASE AND NMOCD CORRESPONDENCE
APPENDIX D	SITE CHARACTERIZATION AND GROUNDWATER
APPENDIX E	LABORATORY REPORTS



October 30, 2025

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

**Re: Closure Report
Cotton Draw Unit #615H
Incident ID: nAPP2513241074
Devon Energy Production Company, LP
Site Location: Unit D, S25, T24S, R31E
(Lat 32.195469°, Long -103.737589°)
Eddy County, New Mexico**

Mr. Bratcher:

On behalf of Devon Energy Production Company, LP (Devon), Carmona Resources LLC has prepared this letter to document site activities for the Cotton Draw Unit #615H. The site is located at 32.195469°, -103.737589° within Unit D, S25, T24S, R31E, in Eddy County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the Notification of Release obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on May 11, 2025, due to a human error causing a frac tank overflow. The incident released one hundred fifty-seven (157) barrels of produced water, with one hundred twenty (120) barrels recovered. The release occurred throughout the pad surface. Refer to Figure 3. The Notification of Release and C-141 forms are attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water sources are within a 0.50-mile radius of the location. The nearest identified well is located approximately 1.25 miles Northwest of the site in S23, T24S, R31E, and was drilled in 2020. The well has a reported depth to groundwater of 868 feet below ground surface (ft bgs). A copy of the associated Point of Diversion Summary report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.

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- TPH: 100 mg/kg (GRO + DRO + MRO).
- Chloride: 600 mg/kg.

4.0 Site Assessment Activities

On June 19, 2025, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of five (5) sample points (S-1 through S-5) and four (4) horizontal samples (H-1 through H-4) were advanced to depths ranging from the surface to 2' bgs inside and surrounding the release area to assess the vertical and horizontal extent of the contamination. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

5.0 Remediation Activities

Carmona Resources personnel were onsite to guide the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via the NMOCD portal on October 13, 2025, per Subsection D of 19.15.29.12 NMAC. See NMOCD correspondence in Appendix C. A total of sixteen (16) confirmation floor samples (CS-1 through CS-16) and nine (9) sidewall samples (SW-1 through SW-9) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 4.

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

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

Approximately 360 cubic yards of material were excavated and transported offsite for proper disposal, resulting in approximately 3,498 square feet of remediated area.

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7.0 Conclusions

Based on the assessment results and the analytical data, no further actions are required at the site. Devon formally requests the closure of the spill. 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
Environmental Manager

Stephen Reyes
Environmental Engineer

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Midland, Texas 79701
432.813.1992

FIGURES

CARMONA RESOURCES





OVERVIEW MAP
DEVON ENERGY PRODUCTION COMPANY, LP
COTTON DRAW UNIT #615H
EDDY COUNTY, NEW MEXICO
32.195469°, -103.737589°



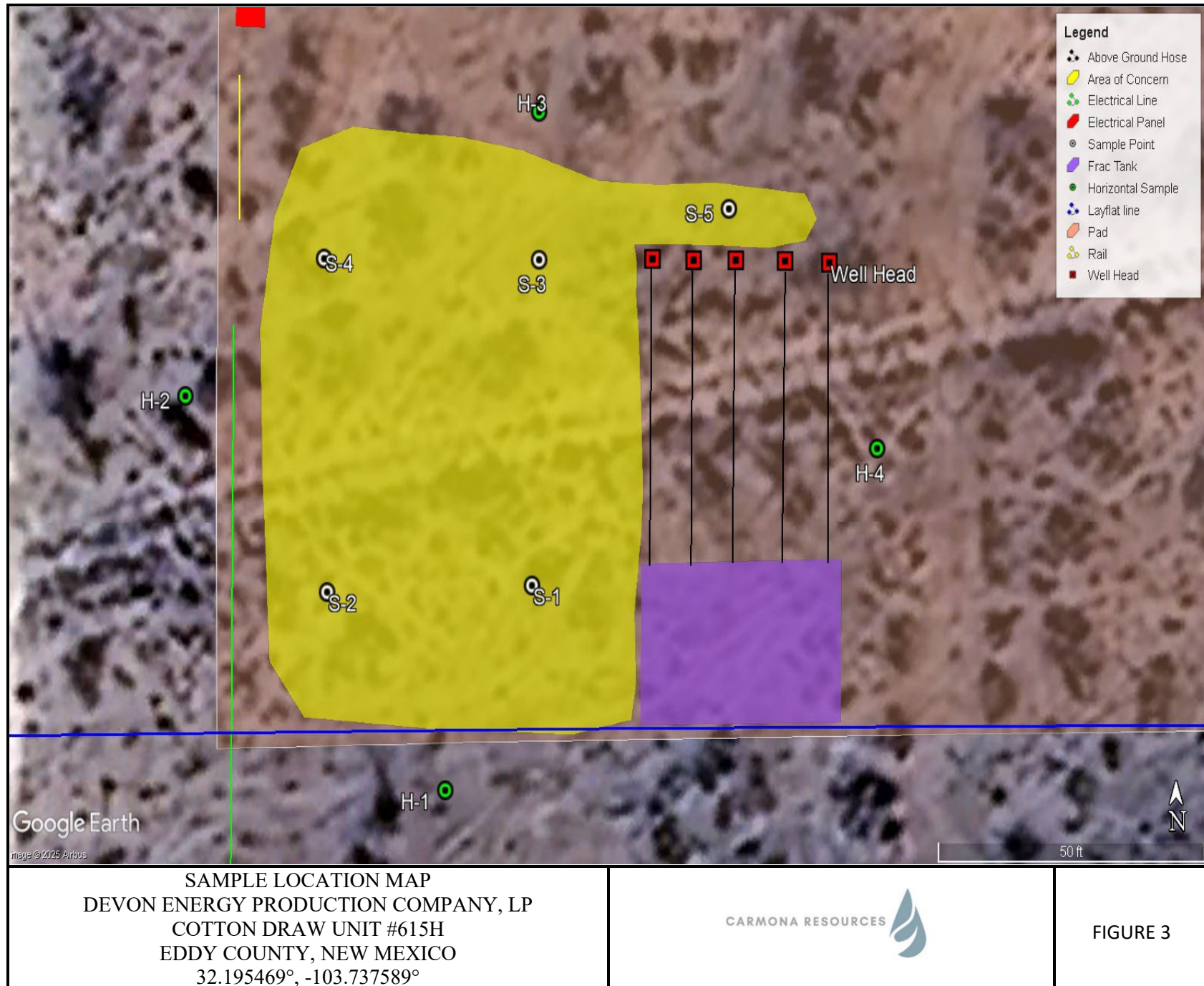
FIGURE 1

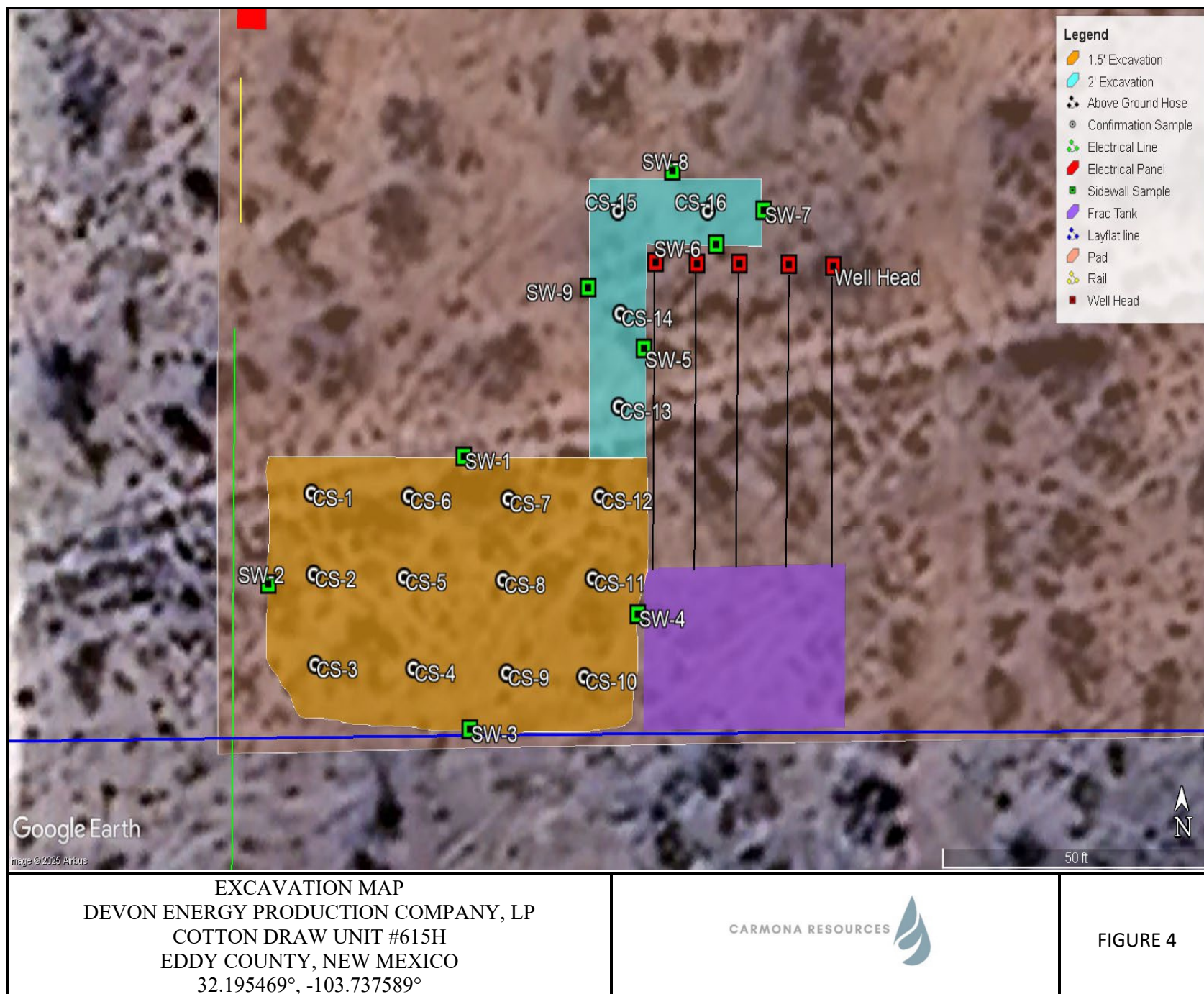


TOPOGRAPHIC MAP
 DEVON ENERGY PRODUCTION COMPANY, LP
 COTTON DRAW UNIT #615H
 EDDY COUNTY, NEW MEXICO
 32.195469°, -103.737589°



FIGURE 2





APPENDIX A

CARMONA RESOURCES



Table 1
Devon Energy
Cotton Draw Unit #615H
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	6/19/2025	0-1'	450	<49.6	<49.6	450	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	493
	6/19/2025	1.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	481
S-2	6/19/2025	0-1'	259	<50.0	<50.0	259	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	568
	6/19/2025	1.5'	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	463
	6/19/2025	2'	<50.3	<50.3	<50.3	<50.3	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	460
S-3	6/19/2025	1.5'	<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	493
	6/19/2025	2'	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	531
S-4	6/19/2025	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	444
	6/19/2025	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	422
	6/19/2025	2'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	497
S-5	6/19/2025	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,180
	6/19/2025	1.5'	547	<50.1	<50.1	547	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	794
	6/19/2025	2'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	455
Regulatory Criteria^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(S) Sample Point

 Removed

Table 1
Devon Energy
Cotton Draw Unit #615H
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						
H-1	6/19/2025	0-1'	<50.1	<50.1	<50.1	<50.1	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	191
H-2	6/19/2025	0-1'	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	172
H-3	6/19/2025	0-1'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	172
H-4	6/19/2025	0-1'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	165
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

(H) Horizontal Sample

Table 2
Devon Energy
Cotton Draw Unit #615H
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	10/15/2025	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	74.0
CS-2	10/15/2025	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	78.8
CS-3	10/15/2025	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	106
CS-4	10/15/2025	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	71.6
CS-5	10/15/2025	1.5'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	102
CS-6	10/15/2025	1.5'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	79.4
CS-7	10/15/2025	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	101
CS-8	10/15/2025	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	93.4
CS-9	10/15/2025	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	104
CS-10	10/15/2025	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	110
CS-11	10/15/2025	1.5'	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	103
CS-12	10/15/2025	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	111
CS-13	10/15/2025	2'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	103
CS-14	10/15/2025	2'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	117
CS-15	10/15/2025	2'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	76.4
CS-16	10/15/2025	2'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	70.6
Regulatory Criteria^A						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(CS) Confirmation Sample

Table 2
Devon Energy
Cotton Draw Unit #615H
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-1	10/15/2025	1.5'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	103
SW-2	10/15/2025	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	72.7
SW-3	10/15/2025	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	144
SW-4	10/15/2025	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	80.7
SW-5	10/15/2025	2'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	111
SW-6	10/15/2025	2'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	93.9
SW-7	10/15/2025	2'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	89.7
SW-8	10/15/2025	2'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	109
SW-9	10/15/2025	2'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	67.1
Backfill	10/15/2025	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	70.8
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

(SW) Sidewall Sample

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Devon Energy

Photograph No. 1

Facility: Cotton Draw Unit #615H

County: Eddy County, New Mexico

Description:

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



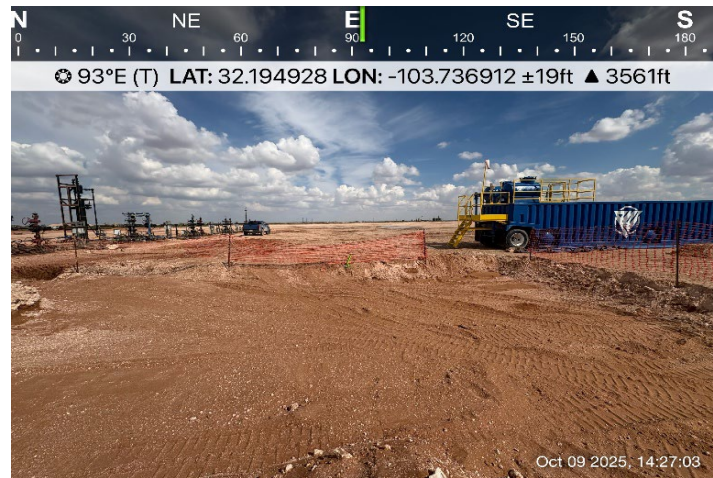
Photograph No. 2

Facility: Cotton Draw Unit #615H

County: Eddy County, New Mexico

Description:

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



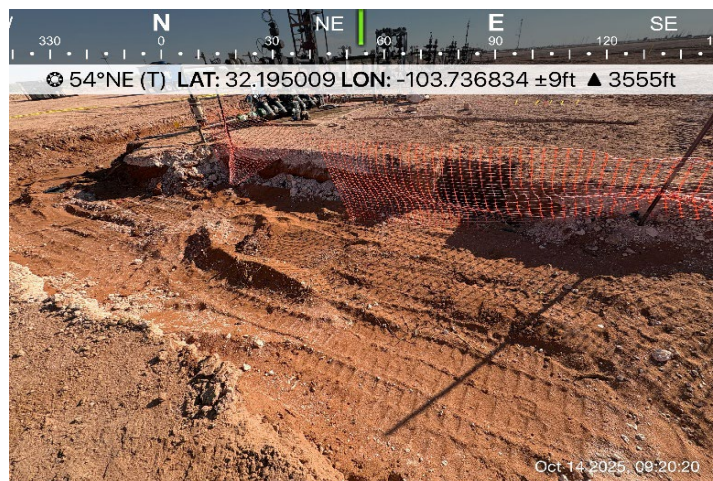
Photograph No. 3

Facility: Cotton Draw Unit #615H

County: Eddy County, New Mexico

Description:

View Northeast, area of CS-13 and CS-14.



PHOTOGRAPHIC LOG

Devon Energy

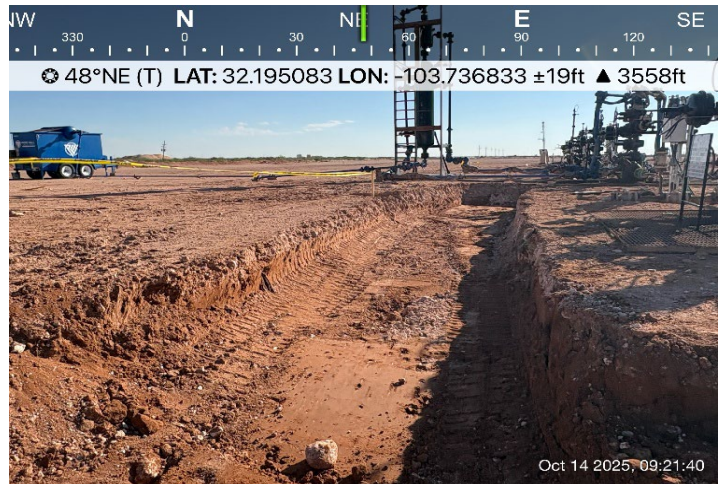
Photograph No. 4

Facility: Cotton Draw Unit #615H

County: Eddy County, New Mexico

Description:

View Northeast, area of CS-15 and CS-16.



Photograph No. 5

Facility: Cotton Draw Unit #615H

County: Eddy County, New Mexico

Description:

View Northwest of backfilled area.



Photograph No. 6

Facility: Cotton Draw Unit #615H

County: Eddy County, New Mexico

Description:

View Northwest of backfilled area.



PHOTOGRAPHIC LOG

Devon Energy

Photograph No. 7

Facility: Cotton Draw Unit #615H

County: Eddy County, New Mexico

Description:

View Northwest of backfilled area.



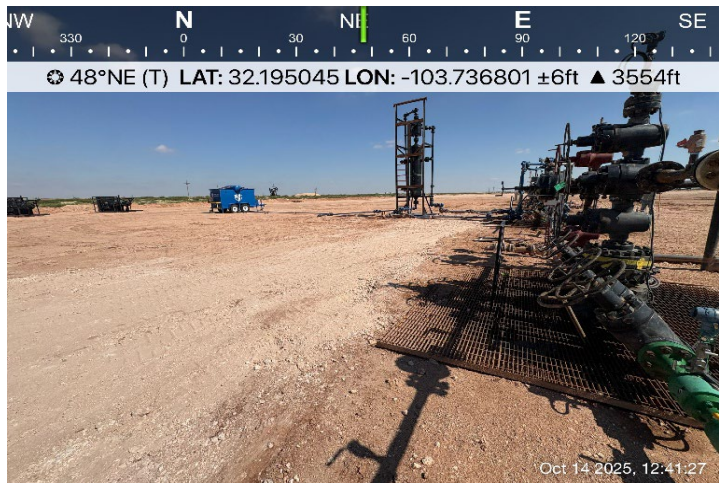
Photograph No. 8

Facility: Cotton Draw Unit #615H

County: Eddy County, New Mexico

Description:

View Northeast of backfilled area.



APPENDIX C

CARMONA RESOURCES



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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 460910

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 460910
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	COTTON DRAW UNIT #615H
Date Release Discovered	05/11/2025
Surface Owner	Federal

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

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Human Error Tank (Any) Produced Water Released: 157 BBL Recovered: 120 BBL Lost: 37 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
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)	Human error allowed frac tank to overflow to pad surface. All fluids contained on pad surface.

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 2

Action 460910

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 460910
	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)	No, according to supplied volumes this does not appear to be 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: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
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.

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

General Information
Phone: (505) 629-6116

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

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

ACKNOWLEDGMENTS

Action 460910

ACKNOWLEDGMENTS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 460910
	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.

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 460910

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 460910
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
jraley	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	5/12/2025

Spill Volume Calculations

Free Standing Fluid in Lined Secondary Containment Volume

How do you want to enter area?

Enter length and width

Length (ft) 100 Width (ft) 50

Depth of fluid 2.00 in

Number of Tanks in Fluid Affected Area (if any): 0

Tank Diameter (if needed): 0.0 ft

Volume of Standing Fluid 148.42 bbl

Contaminated Soil Calculations

How do you want to enter area?

Enter length and width

Length (ft) 100 Width (ft) 50

Depth of impacted soil 0.50 in

Soil Type Caliche

Spilled Material Produced Water

Soil Saturation Moist - some color change; little to no moisture left on hands

Volume of Spill In Soil 9.09 bbls

Total Spill Volume 157.51 bbls

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

QUESTIONS

Action 465044

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 465044
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2513241074
Incident Name	NAPP2513241074 COTTON DRAW UNIT #615H @ 30-015-53175
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received
Incident Well	[30-015-53175] COTTON DRAW UNIT #615H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	COTTON DRAW UNIT #615H
Date Release Discovered	05/11/2025
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
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	Not answered.
Produced Water Released (bbls) Details	Cause: Human Error Tank (Any) Produced Water Released: 157 BBL Recovered: 120 BBL Lost: 37 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
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)	Human error allowed frac tank to overflow to pad surface. All fluids contained on pad surface.

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QUESTIONS, Page 2

Action 465044

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 465044
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be 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: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
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: James Raley Title: EHS Professional Email: jim.raley@dvni.com Date: 05/20/2025
--	---

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State of New Mexico
Energy, Minerals and Natural Resources
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Santa Fe, NM 87505

QUESTIONS, Page 3

Action 465044

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 465044
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Site Characterization	
<i>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.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Not answered.
What method was used to determine the depth to ground water	Not answered.
Did this release impact groundwater or surface water	Not answered.
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	Not answered.
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Not answered.
An occupied permanent residence, school, hospital, institution, or church	Not answered.
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Not answered.
Any other fresh water well or spring	Not answered.
Incorporated municipal boundaries or a defined municipal fresh water well field	Not answered.
A wetland	Not answered.
A subsurface mine	Not answered.
An (non-karst) unstable area	Not answered.
Categorize the risk of this well / site being in a karst geology	Not answered.
A 100-year floodplain	Not answered.
Did the release impact areas not on an exploration, development, production, or storage site	Not answered.

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	No
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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CONDITIONS

Action 465044

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 465044
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	None	5/20/2025

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

QUESTIONS

Action 514378

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 514378
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2513241074
Incident Name	NAPP2513241074 COTTON DRAW UNIT #615H @ 30-015-53175
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-53175] COTTON DRAW UNIT #615H

Location of Release Source	
Site Name	COTTON DRAW UNIT #615H
Date Release Discovered	05/11/2025
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	3,662
What is the estimated number of samples that will be gathered	29
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/15/2025
Time sampling will commence	11:30 AM
Please provide any information necessary for observers to contact samplers	Carmona Resources – 432-813-6823
Please provide any information necessary for navigation to sampling site	32.195469, -103.737589

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CONDITIONS

Action 514378

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 514378
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jralej	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.	10/13/2025
jralej	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	10/13/2025

APPENDIX D

CARMONA RESOURCES

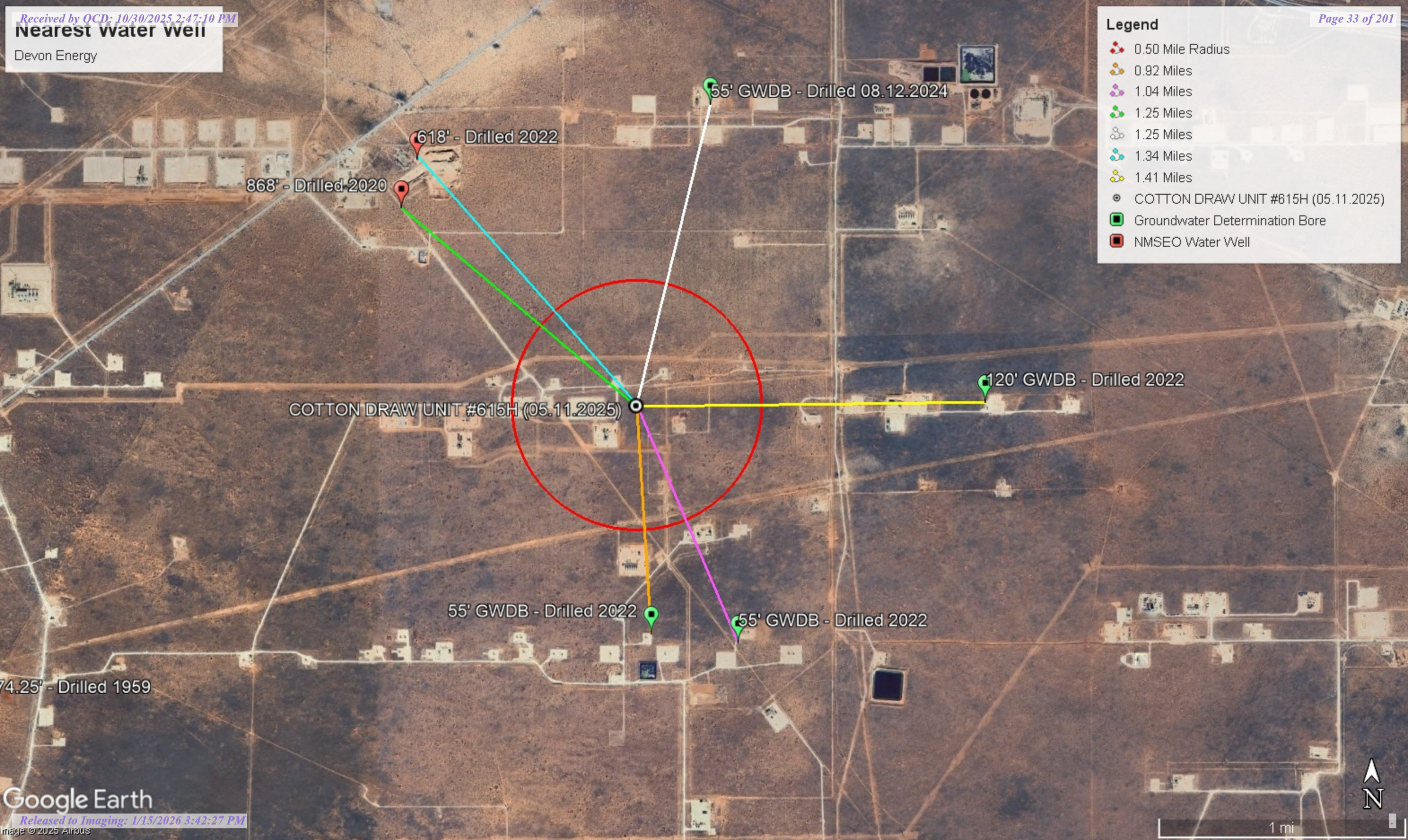


Nearest water well

Devon Energy

Legend

- 0.50 Mile Radius
- 0.92 Miles
- 1.04 Miles
- 1.25 Miles
- 1.25 Miles
- 1.34 Miles
- 1.41 Miles
- COTTON DRAW UNIT #615H (05.11.2025)
- Groundwater Determination Bore
- NMSEO Water Well



Low Karst

Devon Energy

Legend

-  COTTON DRAW UNIT #615H (05.11.2025)
-  Low

COTTON DRAW UNIT #615H (05.11.2025) 





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are
smallest to
largest)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	(meters)	(In feet)		
													Distance	Well Depth	Depth Water	Water Column
C 04636 POD1		CUB	ED	SW	SE	SW	25	24S	31E	619200.0	3561279.4		1480			
C 04643 POD1		C	ED	SE	NE	NE	05	23S	27E	619200.0	3561279.4		1480	305	135	170
C 04654 POD1		CUB	ED	SW	SW	SE	25	24S	31E	619764.3	3561226.9		1670	55		
C 04388 POD1		C	ED	SW	NE	NW	23	24S	31E	617546.3	3564006.4		1986	910	868	42
C 04576 POD1		CUB	ED	NW	NE	NW	23	24S	31E	617699.5	3564324.7		2096	910	850	60
C 04665		CUB	LE	NW	NW	NE	30	24S	32E	621349.8	3562798.6		2260	120		
C 04633 POD1		CUB	ED	NE	NW	NW	35	24S	31E	617394.3	3561170.0		2321			
C 04508 POD1		CUB	ED	SE	SE	SW	15	24S	31E	616298.3	3564493.0		3288	110		
C 02574		CUB	ED	NW	NW	NE	02	25S	31E	618092.0	3559494.0 *		3410			
C 02572		CUB	ED	SE	NE	NE	02	25S	31E	618695.0	3559294.0 *		3483	852		
C 02571		CUB	ED	SE	NW	NE	02	25S	31E	618292.0	3559294.0 *		3552	860		
C 04722 POD2		CUB	LE	NE	NW	NW	06	25S	32E	620808.2	3559499.5		3681	55		
C 02573		CUB	ED	NW	SE	NE	02	25S	31E	618499.0	3559091.0 *		3711			
C 04687 POD1		CUB	ED	SE	NE	SW	12	24S	31E	619481.4	3566450.0		3715	110		
C 04593 POD1		CUB	ED	SW	SE	SE	34	24S	31E	616902.6	3559674.6		3778	55		
C 03530 POD1		C	LE	SW	SE	SW	07	24S	32E	620886.5	3566156.6		3846	550		
C 02568		CUB	ED	SE	SW	NW	01	25S	31E	619103.0	3558892.0 *		3863	1025		
C 02569		CUB	ED	SE	SE	NE	02	25S	31E	618699.0	3558891.0 *		3884	1016		

Average Depth to Water: **617 feet**

Minimum Depth: **135 feet**

Maximum Depth: **868 feet**

Record Count: 18

UTM Filters (in meters):

Easting: 619090.01
Northing: 3562755.51
Radius: 4000

* UTM location was derived from PLSS - see Help

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



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 1 (TW-1)		WELL TAG ID NO. N/A		OSE FILE NO(S). C-4636			
	WELL OWNER NAME(S) Devon Energy				PHONE (OPTIONAL) 575-748-1838			
	WELL OWNER MAILING ADDRESS 6488 7 Rivers Hwy				CITY Artesia	STATE NM	ZIP 88210	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 10	SECONDS 54.21 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND			
		LONGITUDE 103	44	8.06 W	* DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SW SE SW Sec.25 T24S R31S NMPM								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 6/8/2022		DRILLING ENDED 6/8/2022		DEPTH OF COMPLETED WELL (FT) Temporary Well	BORE HOLE DEPTH (FT) ±55	DEPTH WATER FIRST ENCOUNTERED (FT) N/A	
	COMPLETED WELL IS: ☐ ARTESIAN ☒ DRY HOLE ☐ SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED 6/14/2022	
	DRILLING FLUID: ☐ AIR ☐ MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: ☐ ROTARY ☐ HAMMER ☐ CABLE TOOL ☒ OTHER - SPECIFY: Hollow Stem Auger						CHECK HERE IF FITLESS ADAPTER IS INSTALLED ☐	
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	55	±6.5	Boring-HSA	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO. C-4636-POD 1 (TW-1)	POD NO. 1 (TW-1)	TRN NO. 726474
LOCATION Expt 24.31.25.343		WELL TAG ID NO. <u> </u>

PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO				
	0	12	12	Sand, Fine-grained, poorly graded, 2.5 YR 3/6, Dark Red	Y ✓ N	
	12	15	3	Clay, Stiff, with fine-grained sand, 5 YR 5/6, Reddish Yellow	Y ✓ N	
	15	44	29	Caliche, well consolidated, 7.5 YR 7/4, Pink	Y ✓ N	
	44	55	11	Sand, Fine-grained, poorly graded, with Caliche, 7.5 YR 7/6, Reddish Yellow	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm):	
☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:					0.00	
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.				
	MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface. 18 Cotton Draw Unit 207					
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt					
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING: Jackie D. Atkins 6/20/2022 DATE SIGNATURE OF DRILLER / PRINT SIGNEE NAME DATE					

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 01/28/2022)	
FILE NO. C-4636-POD1 (Tw-1)	POD NO. 1 (Tw-1)	TRN NO. 726474	
LOCATION Eval 24.31.25.343		WELL TAG ID NO. —	PAGE 2 OF 2

Mike A. Hamman, P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

**STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 726474
File Nbr: C 04636
Well File Nbr: C 04636 POD1

Jun. 21, 2022

DALE WOODALL
DEVON ENERGY
6488 7 RIVERS HWY
ARTESIA, NM 88210

Greetings:

The above numbered permit was issued in your name on 05/26/2022.

The Well Record was received in this office on 06/21/2022, stating that it had been completed on 06/08/2022, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 05/26/2023.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Maret Amaral".

Maret Amaral
(575) 622-6521

drywell



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 1 (TW-1)		WELL TAG ID NO. n/a		OSE FILE NO(S). C-4654			
	WELL OWNER NAME(S) Devon Energy				PHONE (OPTIONAL) 575-748-1838			
	WELL OWNER MAILING ADDRESS 6488 7 Rivers Hwy				CITY Artesia	STATE NM	ZIP 88210	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 10	SECONDS 52.29 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84			
LONGITUDE 103 43 46.54 W								
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NW NW NW Sec.9 T25S R36S NMPM								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 9/6/2022		DRILLING ENDED 9/6/2022		DEPTH OF COMPLETED WELL (FT) 55	BORE HOLE DEPTH (FT) ±55	DEPTH WATER FIRST ENCOUNTERED (FT) n/a	
	COMPLETED WELL IS: ☐ ARTESIAN ☒ DRY HOLE ☐ SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) n/a	DATE STATIC MEASURED 9/13/2022	
	DRILLING FLUID: ☐ AIR ☐ MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: ☐ ROTARY ☐ HAMMER ☐ CABLE TOOL ☒ OTHER - SPECIFY: Hollow Stem Auger						CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐	
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	55	±6.5	Boring	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO. C-04654	POD NO. 1	TRN NO. 729331
LOCATION 24S. 31E. 25 334	WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	9	9	Sand, Medium/ fine grained, poorly graded, with caliche, Red	Y ✓ N	
	9	55	46	Sand, Medium/ fine grained, poorly graded, with caliche, Tan	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	
☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER - SPECIFY:						

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface. OSE 011 SEP 26 2022 PM3:23	
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt	

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	SIGNATURE OF DRILLER / PRINT SIGNEE NAME  Jackie D. Atkins 9/16/2022 DATE	

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO. C-041654	POD NO. 1	TRN NO. 734331
LOCATION 245.316.25 334	WELL TAG ID NO.	PAGE 2 OF 2

Mike A. Hamman, P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER

Trn Nbr: 729331
File Nbr: C 04654
Well File Nbr: C 04654 POD1

Oct. 03, 2022

DALE WOODALL
DEVON ENERGY
6488 7 RIVERS HWY
ARTESIA, NM 88210

Greetings:

The above numbered permit was issued in your name on 07/12/2022.

The Well Record was received in this office on 09/26/2022, stating that it had been completed on 09/06/2022, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 07/12/2023.

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

Sincerely,

Vanessa Clements
(575) 622-6521

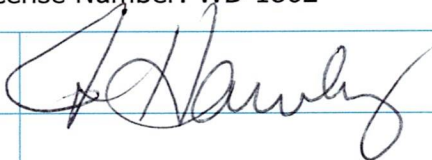
drywell



MCollier@h-r-enterprises.com, JHawley@h-r-enterprises.com
575-909-0326 575-605-3471

SOIL BORE LOG

Project:	NGL Mesa Verde SWD	Date:	8/12/14
Type:	Exploratory Water Bore	Location:	32.212574,-103.731598

Depth	Soil Type	Classification	Comments
0-15'	caliche	N/A	Caliche-100%
5'-10'	Tan Sand	N/A	Sand-100%
10'-20'	Sandy Caliche	N/A	Sand30%-Caliche70%
20'-30'	Tan sandstone	N/A	Sandstone-100%
30'-50'	Red Sandstone	N/A	Sandstone-100%
50'-55'	Red Clay	N/A	Red Clay-100%
GW=Groundwater		No GW 8/12/24 No GW 8/15/24	
		NMOSE Drillers License Number: WD-1862	
			



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

OSE DIT FEB 27 2020 PM 5:04

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.)		WELL TAG ID NO. 22333		OSE FILE NO(S). C 04388		
	WELL OWNER NAME(S) Steve McCutcheon				PHONE (OPTIONAL)		
	WELL OWNER MAILING ADDRESS PO BOX 3175				CITY Carlsbad	STATE NM	
					ZIP 88221		
WELL LOCATION (FROM GPS)	DEGREES 32		MINUTES 4220 12	SECONDS 23.384111 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
	LONGITUDE 103		4555 45	9.95 W	* DATUM REQUIRED: WGS 84		
	DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE						
2. DRILLING & CASING INFORMATION	LICENSE NO. WD1058		NAME OF LICENSED DRILLER GARY KEY		NAME OF WELL DRILLING COMPANY KEY'S DRILLING & PUMP SERVICE, INC		
	DRILLING STARTED 12/18/19	DRILLING ENDED 02/22/20	DEPTH OF COMPLETED WELL (FT) 910	BORE HOLE DEPTH (FT) 910	DEPTH WATER FIRST ENCOUNTERED (FT) 868		
	COMPLETED WELL IS: ☒ ARTESIAN ☐ DRY HOLE ☐ SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) 550		
	DRILLING FLUID: ☒ AIR ☐ MUD ADDITIVES - SPECIFY:						
	DRILLING METHOD: ☒ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER - SPECIFY:						
	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)
	FROM	TO					
	-1.5	50	16"	STEEL	WELD	10"	.250
	-1.5	816	9-7/8	STEEL	WELD	6"	.250
	810	850	9-7/8	STEEL	WELD	4.62	.188
850	910	9-7/8"	STEEL	WELD	4.62	.188	
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT	
	FROM	TO					
	0	50	16"	CEMENT		HAND	
	280	817.5	9-7/8	CEMENT	303.75	PUMP PLUG	
	0	280	9-7/8"	CEMENT	135	TREMIE	

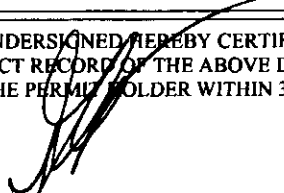
FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/17)

FILE NO. C-4388	POD NO. 1	TRN NO. 664131
LOCATION Dom 24-31.23.321	WELL TAG ID NO. 22333	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	5	5	TOP SOIL	Y ✓ N	
	5	28	23	RED SAND	Y ✓ N	
	28	47	19	RED SANDSTONE	Y ✓ N	
	47	102	55	RED SANDSTONE & CLAY	Y ✓ N	
	102	210	108	RED SANDSTONE	Y ✓ N	
	210	325	115	RED & GARY SANDSTONE	Y ✓ N	
	325	332	37	ANHYDRITE	Y ✓ N	
	332	655	293	RED SANDSTONE	Y ✓ N	
	655	662	7	ANHYDRITE	Y ✓ N	
	662	670	8	GYPSUM & RED SANDSTONE	Y ✓ N	
	670	747	77	GYPSOM	Y ✓ N	
	747	770	23	GRAY SANDSTONE	Y ✓ N	
	770	866	94	LIMESTONE	Y ✓ N	
	866	868	2	WATER BEARING LIMESTONE	✓ Y N	60
	868	910	42	LIMESTONE	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm):	
☒ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER - SPECIFY:					60	

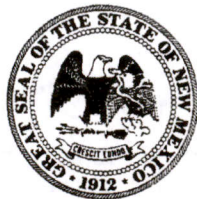
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION: COMPLETED WELL W/94FT OPEN HOLE AND INSTALLED TEST PUMP. PUMPED 60GPM BUT BOTTOM OF HOLE WOULD NOT STAY OPEN. PULLED PUMP AND INSTALLED STEEL LINER TO STABILIZE HOLE.	
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: CASEY KEY	

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT FOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 GARY KEY SIGNATURE OF DRILLER / PRINT SIGNEE NAME	2/27/2020 DATE

FOR USE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/2017)

FILE NO. <u>C-4388</u>	POD NO. <u>1</u>	TRN NO. <u>664131</u>
LOCATION <u>Don 24.31.23.321</u>	WELL TAG ID NO. <u>22333</u>	PAGE 2 OF 2



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

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OSE DTI JAN 20 2022 PM4:33

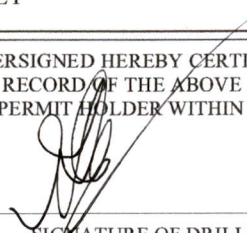
1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) <u>1</u>		WELL TAG ID NO.		OSE FILE NO(S) C O4576			
	WELL OWNER NAME(S) Steven McCutcheons; Twinn Wells Ranch, LLC					PHONE (OPTIONAL)		
	WELL OWNER MAILING ADDRESS 910 West Pierce St. #197					CITY Carlsbad	STATE NM	
						ZIP 88220		
1. GENERAL AND WELL LOCATION	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 12	SECONDS 33.6672	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE 103	45	6	W	* DATUM REQUIRED: WGS 84		
	DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE							
2. DRILLING & CASING INFORMATION	LICENSE NO. WD1058		NAME OF LICENSED DRILLER GARY KEY			NAME OF WELL DRILLING COMPANY KEY'S DRILLING & PUMP SERVICE, INC		
	DRILLING STARTED 10-21-2021	DRILLING ENDED 01-19-2022	DEPTH OF COMPLETED WELL (FT) 910		BORE HOLE DEPTH (FT) 910	DEPTH WATER FIRST ENCOUNTERED (FT) 850FT		
	COMPLETED WELL IS: ☒ ARTESIAN ☐ DRY HOLE ☐ SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) 618FT		
	DRILLING FLUID: ☐ AIR ☒ MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: ☒ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	-2	20	24"	STEEL		18"	.250	
	-2	794'	16"	APIX60PSL-2HFW	WELD	10.136	.307	
	794	910	16"	SS SCREEN	WELD	10.136	.307	.032
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
	0	20	24"	CEMENT SURFACE		TREMIE TO SURFACE		
	0	720	16"	CEMENT PUMPED /PAR 5 CEMENTING	627 SACS	TREMIE TO SURFACE		
	720	910	16"	SILICA SAND PUMPED / TREMIE		TREMIE		

WR-20 WELL RECORD & LOG (Version 06/30/17)

FOR OSE INTERNAL USE		FILE NO. <u>C-4576</u>		POD NO. <u>1</u>	TRN NO. <u>709591</u>
LOCATION <u>245-31E-23 121</u>				WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	2	2	TOP SOIL	Y ✓ N	
	2	16	14	CALACHI	Y ✓ N	
	16	220	204	RED SANDSTONE & CLAY	Y ✓ N	
	220	237	17	GREY CLAY	Y ✓ N	
	237	342	105	RED SANDSTONE & CLAY	Y ✓ N	
	342	361	19	ANHYDRAUTE	Y ✓ N	
	361	610	249	RED SANDSTONE & CLAY	Y ✓ N	
	610	660	50	RED CLAY	Y ✓ N	
	660	705	45	DOLOMITE	Y ✓ N	
	705	710	5	BROWN CLAY	Y ✓ N	
	710	715	5	GREY CLAY & DOLOMITE	Y ✓ N	
	715	728	13	DOLOMITE	Y ✓ N	
	728	751	23	GREY CLAY	Y ✓ N	
	751	850	99	DOLOMITE	Y ✓ N	
	850	875	25	GREY SANDSTONE	✓ Y N	
	875	885	10	RED, WHITE, & GREY CLAY	Y ✓ N	
	885	905	20	DOLOMITE	✓ Y N	35.00
	905	910	5	RED CLAY	Y ✓ N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: ☒ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 35.00	

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION: PUMPED WELL , LEFT PUMPING 30GPM,	
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: CASEY KEY	

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 _____ SIGNATURE OF DRILLER / PRINT SIGNEE NAME	GARY KEY 01-19-2022 _____ DATE

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/2017)

FILE NO. C-4576	POD NO. 2	TRN NO. 709591
LOCATION: 121	WELL TAG ID NO. N/A	PAGE 2 OF 2



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) C-04665 POD 1		WELL TAG ID NO.		OSE FILE NO(S). C-04665			
	WELL OWNER NAME(S) COG OPERATING LLC				PHONE (OPTIONAL) 575-988-2043			
	WELL OWNER MAILING ADDRESS 2208 W MAIN ST				CITY STATE ZIP ARTESIA NM 88210			
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE	MINUTES 32	SECONDS 11 42.72 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84			
		LONGITUDE	-103	42 45.30 W				
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE KING TUT FEDERAL 001H								
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1184		NAME OF LICENSED DRILLER RUSSELL SOUTHERLAND			NAME OF WELL DRILLING COMPANY WEST TEXAS WATER WELL SERVICE		
	DRILLING STARTED 9/15/2022	DRILLING ENDED 09/15/2022	DEPTH OF COMPLETED WELL (FT) 120	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)			
	COMPLETED WELL IS: ☐ ARTESIAN ☒ DRY HOLE ☐ SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A			
	DRILLING FLUID: ☒ AIR ☐ MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: ☒ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
				NO CASING IN HOLE				
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
				N/A				

USE DTI SEP 26 2022 PM 3:28

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO.	C-04665	POD NO.	1	TRN NO.	732879
LOCATION	24S-32E-30 112	WELL TAG ID NO.		PAGE 1 OF 2	

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	1		CALICHIE PAD	Y ✓ N	
	1	3		SANDY TOPSOIL	Y ✓ N	
	3	25		CALICHIE	Y ✓ N	
	25	27		RED SAND	Y ✓ N	
	27	120		RED SANDY CLAY	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	
☐ PUMP ☐ AIR LIFT ☐ BAILER ☒ OTHER - SPECIFY: DRY HOLE						

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION:	
	OSE DIT SEP 26 2022 PM 3:28	
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: RUSSELL SOUTHERLAND		

6. SIGNATURE	BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.	
	_____ SIGNATURE OF DRILLER / PRINT SIGNEE NAME	_____ DATE

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/2019)

FILE NO. C-04665	POD NO. 1	TRN NO. 732879
LOCATION 24S. 32E. 30 112	WELL TAG ID NO.	PAGE 2 OF 2

Mike A. Hamman, P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER

Trn Nbr: 732879
File Nbr: C 04665
Well File Nbr: C 04665

Oct. 04, 2022

KALEI JENNINGS
ENSOLUM
601 N MARIENFIELD ST SUITE 400
MIDLAND, TX 79701

Greetings:

The above numbered permit was issued in your name on 08/26/2022.

The Well Record was received in this office on 09/26/2022, stating that it had been completed on 09/15/2022, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 08/26/2023.

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

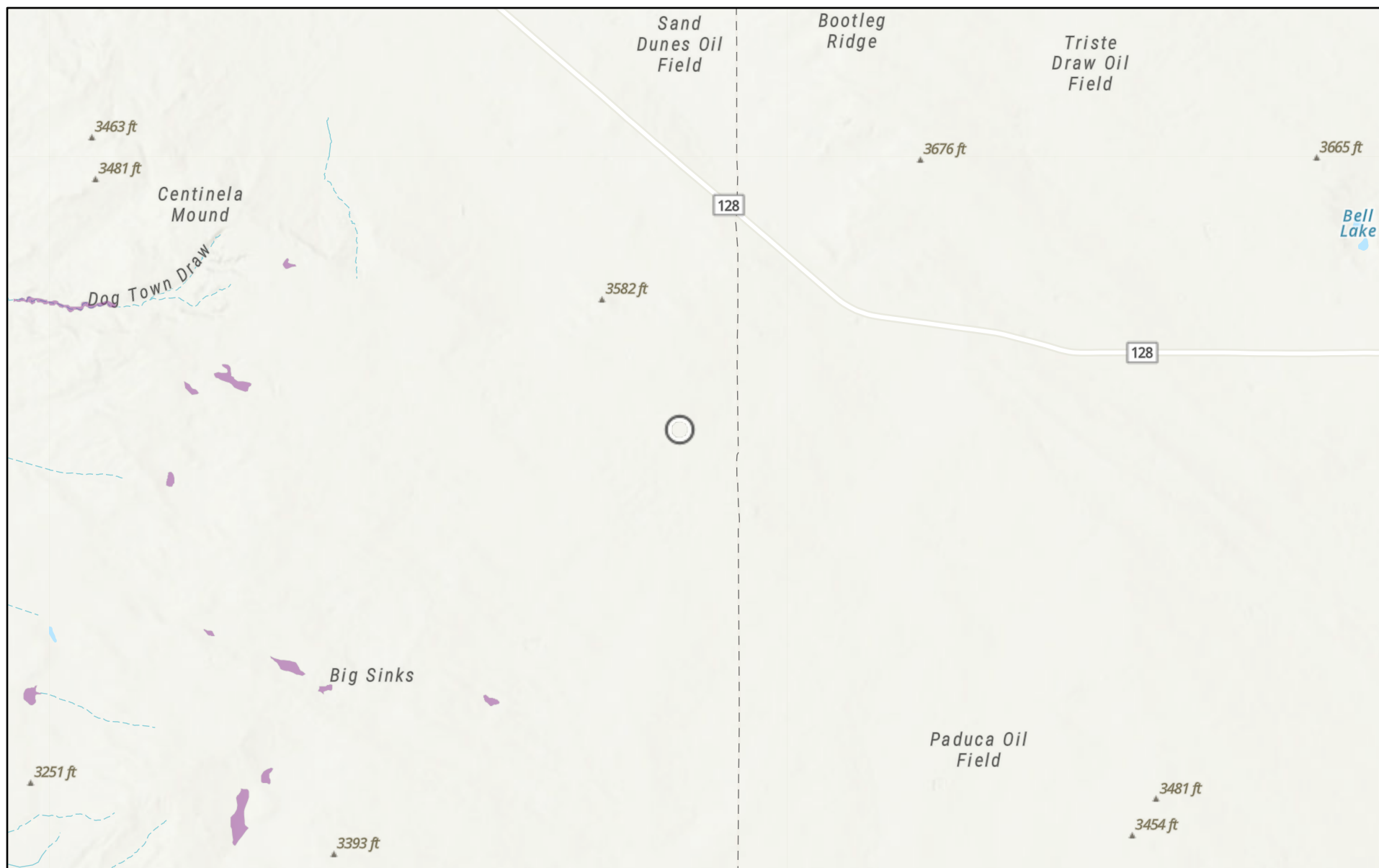
Sincerely,

A handwritten signature in cursive script that reads "Vanessa Clements".

Vanessa Clements
(575) 622-6521

drywell

COTTON DRAW UNIT #615H (05.11.2025)

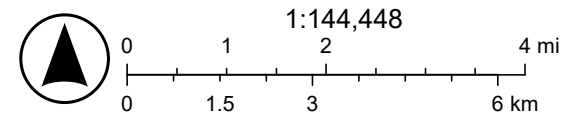


6/18/2025

USA Flood Hazard Areas

 1% Annual Chance Flood Hazard

World_Hillshade



Esri, NASA, NGA, USGS, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community

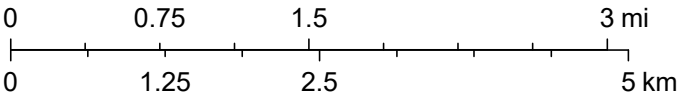
COTTON DRAW UNIT #615H (05.11.2025)



6/18/2025, 3:23:12 PM

- OSW Water Bodys
- OSE Streams

1:72,224



Esri, NASA, NGA, USGS, FEMA, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, NM OSE

APPENDIX E

CARMONA RESOURCES





Environment Testing

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

ANALYTICAL REPORT

PREPARED FOR

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

Generated 6/24/2025 9:59:45 AM

JOB DESCRIPTION

Cotton Draw Unit 25 Well Pad 4
Eddy County, New Mexico

JOB NUMBER

880-59550-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701



Eurofins Midland

Job Notes

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

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

Authorization



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Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Laboratory Job ID: 880-59550-1
SDG: Eddy County, New Mexico

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	9
QC Sample Results	10
QC Association Summary	14
Lab Chronicle	16
Certification Summary	18
Method Summary	19
Sample Summary	20
Chain of Custody	21
Receipt Checklists	22

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

Definitions/Glossary

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-59550-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
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: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-59550-1

Job ID: 880-59550-1

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Job Narrative 880-59550-1

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 and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided 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 6/20/2025 10:24 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 5.7°C.

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-112688 and analytical batch 880-112657 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.

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

Diesel Range Organics

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-112674 and analytical batch 880-112684 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

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 - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-112700 and analytical batch 880-112702 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.

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

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Client Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-59550-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-59550-1

Date Collected: 06/19/25 00:00

Matrix: Solid

Date Received: 06/20/25 10:24

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U F1	0.00198		mg/Kg		06/20/25 12:03	06/20/25 16:08	1
Toluene	<0.00198	U F1	0.00198		mg/Kg		06/20/25 12:03	06/20/25 16:08	1
Ethylbenzene	<0.00198	U F1 F2	0.00198		mg/Kg		06/20/25 12:03	06/20/25 16:08	1
m,p-Xylenes	<0.00396	U F1	0.00396		mg/Kg		06/20/25 12:03	06/20/25 16:08	1
o-Xylene	<0.00198	U F1	0.00198		mg/Kg		06/20/25 12:03	06/20/25 16:08	1
Xylenes, Total	<0.00396	U F1	0.00396		mg/Kg		06/20/25 12:03	06/20/25 16:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	06/20/25 12:03	06/20/25 16:08	1
1,4-Difluorobenzene (Surr)	98		70 - 130	06/20/25 12:03	06/20/25 16:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			06/20/25 16:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			06/20/25 15:00	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	<50.1	U	50.1		mg/Kg		06/20/25 10:57	06/20/25 15:00	1
Diesel Range Organics (Over C10-C28)	<50.1	U *1	50.1		mg/Kg		06/20/25 10:57	06/20/25 15:00	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		06/20/25 10:57	06/20/25 15:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	108		70 - 130	06/20/25 10:57	06/20/25 15:00	1
o-Terphenyl (Surr)	111		70 - 130	06/20/25 10:57	06/20/25 15:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	191		9.98		mg/Kg			06/20/25 21:46	1

Client Sample ID: H-2 (0-1')

Lab Sample ID: 880-59550-2

Date Collected: 06/19/25 00:00

Matrix: Solid

Date Received: 06/20/25 10:24

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		06/20/25 12:03	06/20/25 16:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/20/25 12:03	06/20/25 16:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/20/25 12:03	06/20/25 16:29	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		06/20/25 12:03	06/20/25 16:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/20/25 12:03	06/20/25 16:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/20/25 12:03	06/20/25 16:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	06/20/25 12:03	06/20/25 16:29	1
1,4-Difluorobenzene (Surr)	96		70 - 130	06/20/25 12:03	06/20/25 16:29	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-59550-1
SDG: Eddy County, New Mexico

Client Sample ID: H-2 (0-1')

Lab Sample ID: 880-59550-2

Date Collected: 06/19/25 00:00

Matrix: Solid

Date Received: 06/20/25 10:24

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/20/25 16:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			06/20/25 15:15	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		06/20/25 10:57	06/20/25 15:15	1
Diesel Range Organics (Over C10-C28)	<50.1	U *1	50.1		mg/Kg		06/20/25 10:57	06/20/25 15:15	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		06/20/25 10:57	06/20/25 15:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	111		70 - 130				06/20/25 10:57	06/20/25 15:15	1
o-Terphenyl (Surr)	114		70 - 130				06/20/25 10:57	06/20/25 15:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	172		10.1		mg/Kg			06/20/25 21:53	1

Client Sample ID: H-3 (0-1')

Lab Sample ID: 880-59550-3

Date Collected: 06/19/25 00:00

Matrix: Solid

Date Received: 06/20/25 10:24

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		06/20/25 12:03	06/20/25 16:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/20/25 12:03	06/20/25 16:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/20/25 12:03	06/20/25 16:49	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		06/20/25 12:03	06/20/25 16:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/20/25 12:03	06/20/25 16:49	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/20/25 12:03	06/20/25 16:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				06/20/25 12:03	06/20/25 16:49	1
1,4-Difluorobenzene (Surr)	84		70 - 130				06/20/25 12:03	06/20/25 16:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/20/25 16:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			06/20/25 15:30	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		06/20/25 10:57	06/20/25 15:30	1
Diesel Range Organics (Over C10-C28)	<49.7	U *1	49.7		mg/Kg		06/20/25 10:57	06/20/25 15:30	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-59550-1
SDG: Eddy County, New Mexico

Client Sample ID: H-3 (0-1')

Lab Sample ID: 880-59550-3

Date Collected: 06/19/25 00:00

Matrix: Solid

Date Received: 06/20/25 10:24

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/20/25 10:57	06/20/25 15:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	116		70 - 130				06/20/25 10:57	06/20/25 15:30	1
o-Terphenyl (Surr)	118		70 - 130				06/20/25 10:57	06/20/25 15:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	172		9.98		mg/Kg			06/20/25 22:14	1

Client Sample ID: H-4 (0-1')

Lab Sample ID: 880-59550-4

Date Collected: 06/19/25 00:00

Matrix: Solid

Date Received: 06/20/25 10:24

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		06/20/25 12:03	06/20/25 17:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/20/25 12:03	06/20/25 17:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/20/25 12:03	06/20/25 17:10	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		06/20/25 12:03	06/20/25 17:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/20/25 12:03	06/20/25 17:10	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/20/25 12:03	06/20/25 17:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				06/20/25 12:03	06/20/25 17:10	1
1,4-Difluorobenzene (Surr)	95		70 - 130				06/20/25 12:03	06/20/25 17:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/20/25 17:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/20/25 15:45	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		06/20/25 10:57	06/20/25 15:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		06/20/25 10:57	06/20/25 15:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/20/25 10:57	06/20/25 15:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	115		70 - 130				06/20/25 10:57	06/20/25 15:45	1
o-Terphenyl (Surr)	115		70 - 130				06/20/25 10:57	06/20/25 15:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	165		10.0		mg/Kg			06/20/25 22:22	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-59550-1
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)
880-59550-1	H-1 (0-1')	88	98
880-59550-1 MS	H-1 (0-1')	96	92
880-59550-1 MSD	H-1 (0-1')	85	90
880-59550-2	H-2 (0-1')	88	96
880-59550-3	H-3 (0-1')	93	84
880-59550-4	H-4 (0-1')	88	95
LCS 880-112688/1-A	Lab Control Sample	95	87
LCSD 880-112688/2-A	Lab Control Sample Dup	87	101
MB 880-112688/5-A	Method Blank	82	91
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
820-19485-A-1-E MS	Matrix Spike	114	109
820-19485-A-1-F MSD	Matrix Spike Duplicate	113	108
880-59550-1	H-1 (0-1')	108	111
880-59550-2	H-2 (0-1')	111	114
880-59550-3	H-3 (0-1')	116	118
880-59550-4	H-4 (0-1')	115	115
LCS 880-112674/2-A	Lab Control Sample	130	125
LCSD 880-112674/3-A	Lab Control Sample Dup	74	73
MB 880-112674/1-A	Method Blank	116	118
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

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QC Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-59550-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-112688/5-A

Matrix: Solid

Analysis Batch: 112657

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 112688

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/20/25 12:03	06/20/25 15:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/20/25 12:03	06/20/25 15:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/20/25 12:03	06/20/25 15:46	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		06/20/25 12:03	06/20/25 15:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/20/25 12:03	06/20/25 15:46	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/20/25 12:03	06/20/25 15:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130	06/20/25 12:03	06/20/25 15:46	1
1,4-Difluorobenzene (Surr)	91		70 - 130	06/20/25 12:03	06/20/25 15:46	1

Lab Sample ID: LCS 880-112688/1-A

Matrix: Solid

Analysis Batch: 112657

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 112688

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08996		mg/Kg		90	70 - 130
Toluene	0.100	0.1016		mg/Kg		102	70 - 130
Ethylbenzene	0.100	0.1068		mg/Kg		107	70 - 130
m,p-Xylenes	0.200	0.1869		mg/Kg		93	70 - 130
o-Xylene	0.100	0.09412		mg/Kg		94	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	87		70 - 130

Lab Sample ID: LCSD 880-112688/2-A

Matrix: Solid

Analysis Batch: 112657

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 112688

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09284		mg/Kg		93	70 - 130	3	35
Toluene	0.100	0.09637		mg/Kg		96	70 - 130	5	35
Ethylbenzene	0.100	0.09533		mg/Kg		95	70 - 130	11	35
m,p-Xylenes	0.200	0.1669		mg/Kg		83	70 - 130	11	35
o-Xylene	0.100	0.08268		mg/Kg		83	70 - 130	13	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	87		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-59550-1 MS

Matrix: Solid

Analysis Batch: 112657

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

Prep Type: Total/NA

Prep Batch: 112688

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00198	U F1	0.100	0.04741	F1	mg/Kg		47	70 - 130
Toluene	<0.00198	U F1	0.100	0.05014	F1	mg/Kg		50	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-59550-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-59550-1 MS

Matrix: Solid

Analysis Batch: 112657

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

Prep Type: Total/NA

Prep Batch: 112688

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00198	U F1 F2	0.100	0.04715	F1	mg/Kg		47	70 - 130
m,p-Xylenes	<0.00396	U F1	0.200	0.09786	F1	mg/Kg		49	70 - 130
o-Xylene	<0.00198	U F1	0.100	0.05109	F1	mg/Kg		51	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: 880-59550-1 MSD

Matrix: Solid

Analysis Batch: 112657

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

Prep Type: Total/NA

Prep Batch: 112688

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U F1	0.100	0.05803	F1	mg/Kg		58	70 - 130	20	35
Toluene	<0.00198	U F1	0.100	0.06998		mg/Kg		70	70 - 130	33	35
Ethylbenzene	<0.00198	U F1 F2	0.100	0.07368	F2	mg/Kg		74	70 - 130	44	35
m,p-Xylenes	<0.00396	U F1	0.200	0.1256	F1	mg/Kg		63	70 - 130	25	35
o-Xylene	<0.00198	U F1	0.100	0.06469	F1	mg/Kg		65	70 - 130	23	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	85		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

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

Lab Sample ID: MB 880-112674/1-A

Matrix: Solid

Analysis Batch: 112684

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 112674

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		06/20/25 10:57	06/20/25 09:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/20/25 10:57	06/20/25 09:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/20/25 10:57	06/20/25 09:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	116		70 - 130	06/20/25 10:57	06/20/25 09:14	1
o-Terphenyl (Surr)	118		70 - 130	06/20/25 10:57	06/20/25 09:14	1

Lab Sample ID: LCS 880-112674/2-A

Matrix: Solid

Analysis Batch: 112684

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 112674

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1201		mg/Kg		120	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1100		mg/Kg		110	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-59550-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-112674/2-A

Matrix: Solid

Analysis Batch: 112684

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 112674

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	130		70 - 130
o-Terphenyl (Surr)	125		70 - 130

Lab Sample ID: LCSD 880-112674/3-A

Matrix: Solid

Analysis Batch: 112684

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 112674

			Spike	LCSD	LCSD				%Rec		RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	1008		mg/Kg		101	70 - 130	17	20	
Diesel Range Organics (Over C10-C28)			1000	846.7	*1	mg/Kg		85	70 - 130	26	20	

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	74		70 - 130
o-Terphenyl (Surr)	73		70 - 130

Lab Sample ID: 820-19485-A-1-E MS

Matrix: Solid

Analysis Batch: 112684

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 112674

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	998	893.6		mg/Kg		90	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.7	U *1	998	786.8		mg/Kg		77	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	114		70 - 130
o-Terphenyl (Surr)	109		70 - 130

Lab Sample ID: 820-19485-A-1-F MSD

Matrix: Solid

Analysis Batch: 112684

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 112674

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	998	864.7		mg/Kg		87	70 - 130	3	20	
Diesel Range Organics (Over C10-C28)	<49.7	U *1	998	776.8		mg/Kg		76	70 - 130	1	20	

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	113		70 - 130
o-Terphenyl (Surr)	108		70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-59550-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-112700/1-A

Matrix: Solid

Analysis Batch: 112702

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			06/20/25 20:48	1

Lab Sample ID: LCS 880-112700/2-A

Matrix: Solid

Analysis Batch: 112702

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	250.0		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-112700/3-A

Matrix: Solid

Analysis Batch: 112702

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	247.1		mg/Kg		99	90 - 110	1	20

Lab Sample ID: 880-59390-A-2-C MS

Matrix: Solid

Analysis Batch: 112702

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	388	F1	249	597.2	F1	mg/Kg		84	90 - 110

Lab Sample ID: 880-59390-A-2-D MSD

Matrix: Solid

Analysis Batch: 112702

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	388	F1	249	599.8	F1	mg/Kg		85	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-59550-1
SDG: Eddy County, New Mexico

GC VOA

Analysis Batch: 112657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59550-1	H-1 (0-1')	Total/NA	Solid	8021B	112688
880-59550-2	H-2 (0-1')	Total/NA	Solid	8021B	112688
880-59550-3	H-3 (0-1')	Total/NA	Solid	8021B	112688
880-59550-4	H-4 (0-1')	Total/NA	Solid	8021B	112688
MB 880-112688/5-A	Method Blank	Total/NA	Solid	8021B	112688
LCS 880-112688/1-A	Lab Control Sample	Total/NA	Solid	8021B	112688
LCSD 880-112688/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	112688
880-59550-1 MS	H-1 (0-1')	Total/NA	Solid	8021B	112688
880-59550-1 MSD	H-1 (0-1')	Total/NA	Solid	8021B	112688

Prep Batch: 112688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59550-1	H-1 (0-1')	Total/NA	Solid	5035	
880-59550-2	H-2 (0-1')	Total/NA	Solid	5035	
880-59550-3	H-3 (0-1')	Total/NA	Solid	5035	
880-59550-4	H-4 (0-1')	Total/NA	Solid	5035	
MB 880-112688/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-112688/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-112688/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-59550-1 MS	H-1 (0-1')	Total/NA	Solid	5035	
880-59550-1 MSD	H-1 (0-1')	Total/NA	Solid	5035	

Analysis Batch: 112776

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59550-1	H-1 (0-1')	Total/NA	Solid	Total BTEX	
880-59550-2	H-2 (0-1')	Total/NA	Solid	Total BTEX	
880-59550-3	H-3 (0-1')	Total/NA	Solid	Total BTEX	
880-59550-4	H-4 (0-1')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 112674

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59550-1	H-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-59550-2	H-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-59550-3	H-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-59550-4	H-4 (0-1')	Total/NA	Solid	8015NM Prep	
MB 880-112674/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-112674/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-112674/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
820-19485-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
820-19485-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 112684

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59550-1	H-1 (0-1')	Total/NA	Solid	8015B NM	112674
880-59550-2	H-2 (0-1')	Total/NA	Solid	8015B NM	112674
880-59550-3	H-3 (0-1')	Total/NA	Solid	8015B NM	112674
880-59550-4	H-4 (0-1')	Total/NA	Solid	8015B NM	112674
MB 880-112674/1-A	Method Blank	Total/NA	Solid	8015B NM	112674
LCS 880-112674/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	112674

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-59550-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 112684 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-112674/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	112674
820-19485-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	112674
820-19485-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	112674

Analysis Batch: 112765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59550-1	H-1 (0-1')	Total/NA	Solid	8015 NM	
880-59550-2	H-2 (0-1')	Total/NA	Solid	8015 NM	
880-59550-3	H-3 (0-1')	Total/NA	Solid	8015 NM	
880-59550-4	H-4 (0-1')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 112700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59550-1	H-1 (0-1')	Soluble	Solid	DI Leach	
880-59550-2	H-2 (0-1')	Soluble	Solid	DI Leach	
880-59550-3	H-3 (0-1')	Soluble	Solid	DI Leach	
880-59550-4	H-4 (0-1')	Soluble	Solid	DI Leach	
MB 880-112700/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-112700/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-112700/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-59390-A-2-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-59390-A-2-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 112702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59550-1	H-1 (0-1')	Soluble	Solid	300.0	112700
880-59550-2	H-2 (0-1')	Soluble	Solid	300.0	112700
880-59550-3	H-3 (0-1')	Soluble	Solid	300.0	112700
880-59550-4	H-4 (0-1')	Soluble	Solid	300.0	112700
MB 880-112700/1-A	Method Blank	Soluble	Solid	300.0	112700
LCS 880-112700/2-A	Lab Control Sample	Soluble	Solid	300.0	112700
LCSD 880-112700/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	112700
880-59390-A-2-C MS	Matrix Spike	Soluble	Solid	300.0	112700
880-59390-A-2-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	112700

Lab Chronicle

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-59550-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-59550-1

Date Collected: 06/19/25 00:00

Matrix: Solid

Date Received: 06/20/25 10:24

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	112688	06/20/25 12:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112657	06/20/25 16:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112776	06/20/25 16:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			112765	06/20/25 15:00	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	112674	06/20/25 10:57	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112684	06/20/25 15:00	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	112700	06/20/25 13:31	SI	EET MID
Soluble	Analysis	300.0		1			112702	06/20/25 21:46	CH	EET MID

Client Sample ID: H-2 (0-1')

Lab Sample ID: 880-59550-2

Date Collected: 06/19/25 00:00

Matrix: Solid

Date Received: 06/20/25 10:24

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	112688	06/20/25 12:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112657	06/20/25 16:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112776	06/20/25 16:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			112765	06/20/25 15:15	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	112674	06/20/25 10:57	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112684	06/20/25 15:15	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	112700	06/20/25 13:31	SI	EET MID
Soluble	Analysis	300.0		1			112702	06/20/25 21:53	CH	EET MID

Client Sample ID: H-3 (0-1')

Lab Sample ID: 880-59550-3

Date Collected: 06/19/25 00:00

Matrix: Solid

Date Received: 06/20/25 10:24

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	112688	06/20/25 12:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112657	06/20/25 16:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112776	06/20/25 16:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			112765	06/20/25 15:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	112674	06/20/25 10:57	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112684	06/20/25 15:30	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	112700	06/20/25 13:31	SI	EET MID
Soluble	Analysis	300.0		1			112702	06/20/25 22:14	CH	EET MID

Client Sample ID: H-4 (0-1')

Lab Sample ID: 880-59550-4

Date Collected: 06/19/25 00:00

Matrix: Solid

Date Received: 06/20/25 10:24

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	112688	06/20/25 12:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112657	06/20/25 17:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112776	06/20/25 17:10	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-59550-1
SDG: Eddy County, New Mexico

Client Sample ID: H-4 (0-1')
Date Collected: 06/19/25 00:00
Date Received: 06/20/25 10:24

Lab Sample ID: 880-59550-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			112765	06/20/25 15:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	112674	06/20/25 10:57	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112684	06/20/25 15:45	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	112700	06/20/25 13:31	SI	EET MID
Soluble	Analysis	300.0		1			112702	06/20/25 22:22	CH	EET MID

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

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- 2
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Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-59550-1
SDG: Eddy County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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

Method Summary

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-59550-1
SDG: Eddy County, New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-59550-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-59550-1	H-1 (0-1')	Solid	06/19/25 00:00	06/20/25 10:24
880-59550-2	H-2 (0-1')	Solid	06/19/25 00:00	06/20/25 10:24
880-59550-3	H-3 (0-1')	Solid	06/19/25 00:00	06/20/25 10:24
880-59550-4	H-4 (0-1')	Solid	06/19/25 00:00	06/20/25 10:24

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- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Chain of Custody



380-59550 Chain of Custody

Page 1 of 1

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other: _____	

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

[illegible]

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	6/29/25 10:24		6/29/25 10:24

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-59550-1

SDG Number: Eddy County, New Mexico

Login Number: 59550

List Number: 1

List Source: Eurofins Midland

Creator: Vasquez, Julisa

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



Environment Testing

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

ANALYTICAL REPORT

PREPARED FOR

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

Generated 6/25/2025 5:14:18 PM

JOB DESCRIPTION

Cotton Draw Unit 25 Well Pad 4
Eddy County, New Mexico

JOB NUMBER

880-59551-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



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6/25/2025 5:14:18 PM

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

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Laboratory Job ID: 880-59551-1
SDG: Eddy County, New Mexico

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	16
QC Sample Results	18
QC Association Summary	27
Lab Chronicle	32
Certification Summary	36
Method Summary	37
Sample Summary	38
Chain of Custody	39
Receipt Checklists	41

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

Definitions/Glossary

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-59551-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
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: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-59551-1

Job ID: 880-59551-1

Eurofins Midland

Job Narrative 880-59551-1

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 and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided 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 6/20/2025 10:24 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 5.7°C.

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside the upper control limit: S-4 (1.5') (880-59551-9). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

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

Diesel Range Organics

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-112674 and analytical batch 880-112684 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

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

HPLC/IC

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

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Client Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-59551-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-59551-1

Date Collected: 06/19/25 00:00

Matrix: Solid

Date Received: 06/20/25 10:24

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		06/20/25 11:16	06/20/25 17:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/20/25 11:16	06/20/25 17:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/20/25 11:16	06/20/25 17:21	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		06/20/25 11:16	06/20/25 17:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/20/25 11:16	06/20/25 17:21	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/20/25 11:16	06/20/25 17:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	06/20/25 11:16	06/20/25 17:21	1
1,4-Difluorobenzene (Surr)	100		70 - 130	06/20/25 11:16	06/20/25 17:21	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/20/25 17:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	450		49.6		mg/Kg			06/20/25 16:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		06/20/25 10:57	06/20/25 16:15	1
Diesel Range Organics (Over C10-C28)	450	*1	49.6		mg/Kg		06/20/25 10:57	06/20/25 16:15	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		06/20/25 10:57	06/20/25 16:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	111		70 - 130	06/20/25 10:57	06/20/25 16:15	1
o-Terphenyl (Surr)	124		70 - 130	06/20/25 10:57	06/20/25 16:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	493		10.0		mg/Kg			06/20/25 22:29	1

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-59551-2

Date Collected: 06/19/25 00:00

Matrix: Solid

Date Received: 06/20/25 10:24

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		06/20/25 11:16	06/20/25 17:41	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/20/25 11:16	06/20/25 17:41	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/20/25 11:16	06/20/25 17:41	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		06/20/25 11:16	06/20/25 17:41	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/20/25 11:16	06/20/25 17:41	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/20/25 11:16	06/20/25 17:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	06/20/25 11:16	06/20/25 17:41	1
1,4-Difluorobenzene (Surr)	97		70 - 130	06/20/25 11:16	06/20/25 17:41	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-59551-1
SDG: Eddy County, New Mexico

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-59551-2

Date Collected: 06/19/25 00:00

Matrix: Solid

Date Received: 06/20/25 10:24

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/20/25 17:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/20/25 16:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/20/25 10:57	06/20/25 16:31	1
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8		mg/Kg		06/20/25 10:57	06/20/25 16:31	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/20/25 10:57	06/20/25 16:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	109		70 - 130				06/20/25 10:57	06/20/25 16:31	1
o-Terphenyl (Surr)	113		70 - 130				06/20/25 10:57	06/20/25 16:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	481		9.96		mg/Kg			06/20/25 22:36	1

Client Sample ID: S-2 (0-1')

Lab Sample ID: 880-59551-3

Date Collected: 06/19/25 00:00

Matrix: Solid

Date Received: 06/20/25 10:24

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		06/20/25 11:16	06/20/25 18:02	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/20/25 11:16	06/20/25 18:02	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/20/25 11:16	06/20/25 18:02	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		06/20/25 11:16	06/20/25 18:02	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/20/25 11:16	06/20/25 18:02	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/20/25 11:16	06/20/25 18:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				06/20/25 11:16	06/20/25 18:02	1
1,4-Difluorobenzene (Surr)	103		70 - 130				06/20/25 11:16	06/20/25 18:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			06/20/25 18:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	259		50.0		mg/Kg			06/20/25 16:46	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		06/20/25 10:57	06/20/25 16:46	1
Diesel Range Organics (Over C10-C28)	259	*1	50.0		mg/Kg		06/20/25 10:57	06/20/25 16:46	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-59551-1
SDG: Eddy County, New Mexico

Client Sample ID: S-2 (0-1')

Lab Sample ID: 880-59551-3

Date Collected: 06/19/25 00:00

Matrix: Solid

Date Received: 06/20/25 10:24

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/20/25 10:57	06/20/25 16:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	105		70 - 130				06/20/25 10:57	06/20/25 16:46	1
o-Terphenyl (Surr)	117		70 - 130				06/20/25 10:57	06/20/25 16:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	568		10.1		mg/Kg			06/20/25 22:43	1

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-59551-4

Date Collected: 06/19/25 00:00

Matrix: Solid

Date Received: 06/20/25 10:24

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		06/20/25 11:16	06/20/25 18:22	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/20/25 11:16	06/20/25 18:22	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/20/25 11:16	06/20/25 18:22	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		06/20/25 11:16	06/20/25 18:22	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/20/25 11:16	06/20/25 18:22	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/20/25 11:16	06/20/25 18:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				06/20/25 11:16	06/20/25 18:22	1
1,4-Difluorobenzene (Surr)	98		70 - 130				06/20/25 11:16	06/20/25 18:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/20/25 18:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			06/20/25 17:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		06/20/25 10:57	06/20/25 17:02	1
Diesel Range Organics (Over C10-C28)	<49.7	U *1	49.7		mg/Kg		06/20/25 10:57	06/20/25 17:02	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/20/25 10:57	06/20/25 17:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	104		70 - 130				06/20/25 10:57	06/20/25 17:02	1
o-Terphenyl (Surr)	107		70 - 130				06/20/25 10:57	06/20/25 17:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	463		10.0		mg/Kg			06/20/25 22:50	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-59551-1
SDG: Eddy County, New Mexico

Client Sample ID: S-2 (2')

Lab Sample ID: 880-59551-5

Date Collected: 06/19/25 00:00

Matrix: Solid

Date Received: 06/20/25 10:24

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		06/20/25 11:16	06/20/25 18:43	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/20/25 11:16	06/20/25 18:43	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/20/25 11:16	06/20/25 18:43	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		06/20/25 11:16	06/20/25 18:43	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/20/25 11:16	06/20/25 18:43	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/20/25 11:16	06/20/25 18:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	06/20/25 11:16	06/20/25 18:43	1
1,4-Difluorobenzene (Surr)	96		70 - 130	06/20/25 11:16	06/20/25 18:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/20/25 18:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			06/20/25 17:17	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		06/20/25 10:57	06/20/25 17:17	1
Diesel Range Organics (Over C10-C28)	<50.3	U *1	50.3		mg/Kg		06/20/25 10:57	06/20/25 17:17	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		06/20/25 10:57	06/20/25 17:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	108		70 - 130	06/20/25 10:57	06/20/25 17:17	1
o-Terphenyl (Surr)	110		70 - 130	06/20/25 10:57	06/20/25 17:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	460		9.98		mg/Kg			06/20/25 23:12	1

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-59551-6

Date Collected: 06/19/25 00:00

Matrix: Solid

Date Received: 06/20/25 10:24

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		06/20/25 11:16	06/20/25 19:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/20/25 11:16	06/20/25 19:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/20/25 11:16	06/20/25 19:03	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		06/20/25 11:16	06/20/25 19:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/20/25 11:16	06/20/25 19:03	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/20/25 11:16	06/20/25 19:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	06/20/25 11:16	06/20/25 19:03	1
1,4-Difluorobenzene (Surr)	91		70 - 130	06/20/25 11:16	06/20/25 19:03	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-59551-1
SDG: Eddy County, New Mexico

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-59551-6

Date Collected: 06/19/25 00:00

Matrix: Solid

Date Received: 06/20/25 10:24

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/20/25 19:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			06/20/25 17:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		06/20/25 10:57	06/20/25 17:33	1
Diesel Range Organics (Over C10-C28)	<50.2	U *1	50.2		mg/Kg		06/20/25 10:57	06/20/25 17:33	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		06/20/25 10:57	06/20/25 17:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	112		70 - 130				06/20/25 10:57	06/20/25 17:33	1
o-Terphenyl (Surr)	116		70 - 130				06/20/25 10:57	06/20/25 17:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	493		9.96		mg/Kg			06/20/25 23:19	1

Client Sample ID: S-3 (2')

Lab Sample ID: 880-59551-7

Date Collected: 06/19/25 00:00

Matrix: Solid

Date Received: 06/20/25 10:24

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		06/20/25 11:16	06/20/25 19:23	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/20/25 11:16	06/20/25 19:23	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/20/25 11:16	06/20/25 19:23	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		06/20/25 11:16	06/20/25 19:23	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/20/25 11:16	06/20/25 19:23	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/20/25 11:16	06/20/25 19:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				06/20/25 11:16	06/20/25 19:23	1
1,4-Difluorobenzene (Surr)	95		70 - 130				06/20/25 11:16	06/20/25 19:23	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			06/20/25 19:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/20/25 17:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/20/25 10:57	06/20/25 17:48	1
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8		mg/Kg		06/20/25 10:57	06/20/25 17:48	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-59551-1
SDG: Eddy County, New Mexico

Client Sample ID: S-3 (2')

Lab Sample ID: 880-59551-7

Date Collected: 06/19/25 00:00

Matrix: Solid

Date Received: 06/20/25 10:24

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/20/25 10:57	06/20/25 17:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	112		70 - 130				06/20/25 10:57	06/20/25 17:48	1
o-Terphenyl (Surr)	115		70 - 130				06/20/25 10:57	06/20/25 17:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	531		10.1		mg/Kg			06/20/25 23:41	1

Client Sample ID: S-4 (0-1')

Lab Sample ID: 880-59551-8

Date Collected: 06/19/25 00:00

Matrix: Solid

Date Received: 06/20/25 10:24

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		06/20/25 11:13	06/20/25 15:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/20/25 11:13	06/20/25 15:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/20/25 11:13	06/20/25 15:46	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		06/20/25 11:13	06/20/25 15:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/20/25 11:13	06/20/25 15:46	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/20/25 11:13	06/20/25 15:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				06/20/25 11:13	06/20/25 15:46	1
1,4-Difluorobenzene (Surr)	86		70 - 130				06/20/25 11:13	06/20/25 15:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/20/25 15:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/20/25 18:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/20/25 10:57	06/20/25 18:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		06/20/25 10:57	06/20/25 18:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/20/25 10:57	06/20/25 18:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	108		70 - 130				06/20/25 10:57	06/20/25 18:04	1
o-Terphenyl (Surr)	110		70 - 130				06/20/25 10:57	06/20/25 18:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	444		10.1		mg/Kg			06/20/25 23:48	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-59551-1
SDG: Eddy County, New Mexico

Client Sample ID: S-4 (1.5')

Lab Sample ID: 880-59551-9

Date Collected: 06/19/25 00:00

Matrix: Solid

Date Received: 06/20/25 10:24

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		06/20/25 11:13	06/20/25 16:07	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/20/25 11:13	06/20/25 16:07	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/20/25 11:13	06/20/25 16:07	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		06/20/25 11:13	06/20/25 16:07	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/20/25 11:13	06/20/25 16:07	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/20/25 11:13	06/20/25 16:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	607	S1+	70 - 130	06/20/25 11:13	06/20/25 16:07	1
1,4-Difluorobenzene (Surr)	480	S1+	70 - 130	06/20/25 11:13	06/20/25 16:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/20/25 16:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/20/25 18:19	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		06/20/25 10:57	06/20/25 18:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		06/20/25 10:57	06/20/25 18:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/20/25 10:57	06/20/25 18:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	111		70 - 130	06/20/25 10:57	06/20/25 18:19	1
o-Terphenyl (Surr)	114		70 - 130	06/20/25 10:57	06/20/25 18:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	422		9.96		mg/Kg			06/20/25 23:55	1

Client Sample ID: S-4 (2')

Lab Sample ID: 880-59551-10

Date Collected: 06/19/25 00:00

Matrix: Solid

Date Received: 06/20/25 10:24

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		06/20/25 11:13	06/20/25 16:27	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/20/25 11:13	06/20/25 16:27	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/20/25 11:13	06/20/25 16:27	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		06/20/25 11:13	06/20/25 16:27	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/20/25 11:13	06/20/25 16:27	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/20/25 11:13	06/20/25 16:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	06/20/25 11:13	06/20/25 16:27	1
1,4-Difluorobenzene (Surr)	91		70 - 130	06/20/25 11:13	06/20/25 16:27	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-59551-1
SDG: Eddy County, New Mexico

Client Sample ID: S-4 (2')

Lab Sample ID: 880-59551-10

Date Collected: 06/19/25 00:00

Matrix: Solid

Date Received: 06/20/25 10:24

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/20/25 16:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/20/25 18:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/20/25 10:57	06/20/25 18:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		06/20/25 10:57	06/20/25 18:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/20/25 10:57	06/20/25 18:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	109		70 - 130				06/20/25 10:57	06/20/25 18:34	1
o-Terphenyl (Surr)	112		70 - 130				06/20/25 10:57	06/20/25 18:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	497		10.1		mg/Kg			06/21/25 00:02	1

Client Sample ID: S-5 (0-1')

Lab Sample ID: 880-59551-11

Date Collected: 06/19/25 00:00

Matrix: Solid

Date Received: 06/20/25 10:24

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		06/20/25 11:15	06/20/25 13:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/20/25 11:15	06/20/25 13:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/20/25 11:15	06/20/25 13:46	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		06/20/25 11:15	06/20/25 13:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/20/25 11:15	06/20/25 13:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/20/25 11:15	06/20/25 13:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				06/20/25 11:15	06/20/25 13:46	1
1,4-Difluorobenzene (Surr)	98		70 - 130				06/20/25 11:15	06/20/25 13:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/20/25 13:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/21/25 10:00	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	<50.0	U	50.0		mg/Kg		06/20/25 09:12	06/21/25 10:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/20/25 09:12	06/21/25 10:00	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-59551-1
SDG: Eddy County, New Mexico

Client Sample ID: S-5 (0-1')

Lab Sample ID: 880-59551-11

Date Collected: 06/19/25 00:00

Matrix: Solid

Date Received: 06/20/25 10:24

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/20/25 09:12	06/21/25 10:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	97		70 - 130				06/20/25 09:12	06/21/25 10:00	1
o-Terphenyl (Surr)	100		70 - 130				06/20/25 09:12	06/21/25 10:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1180		9.96		mg/Kg			06/21/25 00:09	1

Client Sample ID: S-5 (1.5')

Lab Sample ID: 880-59551-12

Date Collected: 06/19/25 00:00

Matrix: Solid

Date Received: 06/20/25 10:24

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		06/20/25 11:15	06/20/25 14:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/20/25 11:15	06/20/25 14:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/20/25 11:15	06/20/25 14:06	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		06/20/25 11:15	06/20/25 14:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/20/25 11:15	06/20/25 14:06	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/20/25 11:15	06/20/25 14:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				06/20/25 11:15	06/20/25 14:06	1
1,4-Difluorobenzene (Surr)	98		70 - 130				06/20/25 11:15	06/20/25 14:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/20/25 14:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	547		50.1		mg/Kg			06/21/25 10:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		06/20/25 09:12	06/21/25 10:16	1
Diesel Range Organics (Over C10-C28)	547		50.1		mg/Kg		06/20/25 09:12	06/21/25 10:16	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		06/20/25 09:12	06/21/25 10:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	97		70 - 130				06/20/25 09:12	06/21/25 10:16	1
o-Terphenyl (Surr)	105		70 - 130				06/20/25 09:12	06/21/25 10:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	794		10.1		mg/Kg			06/21/25 00:16	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-59551-1
SDG: Eddy County, New Mexico

Client Sample ID: S-5 (2')

Lab Sample ID: 880-59551-13

Date Collected: 06/19/25 00:00

Matrix: Solid

Date Received: 06/20/25 10:24

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		06/20/25 11:15	06/20/25 14:27	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/20/25 11:15	06/20/25 14:27	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/20/25 11:15	06/20/25 14:27	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		06/20/25 11:15	06/20/25 14:27	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/20/25 11:15	06/20/25 14:27	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/20/25 11:15	06/20/25 14:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	06/20/25 11:15	06/20/25 14:27	1
1,4-Difluorobenzene (Surr)	92		70 - 130	06/20/25 11:15	06/20/25 14:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/20/25 14:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/21/25 10:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/20/25 09:12	06/21/25 10:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/20/25 09:12	06/21/25 10:32	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/20/25 09:12	06/21/25 10:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	98		70 - 130	06/20/25 09:12	06/21/25 10:32	1
o-Terphenyl (Surr)	100		70 - 130	06/20/25 09:12	06/21/25 10:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	455		10.1		mg/Kg			06/21/25 00:24	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-59551-1
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	DFBZ1
		(70-130)	(70-130)
880-59525-A-1-H MS	Matrix Spike	91	92
880-59525-A-1-I MSD	Matrix Spike Duplicate	92	91
880-59525-A-4-D MS	Matrix Spike	106	102
880-59525-A-4-E MSD	Matrix Spike Duplicate	106	103
880-59525-A-7-D MS	Matrix Spike	99	98
880-59525-A-7-E MSD	Matrix Spike Duplicate	103	95
880-59551-1	S-1 (0-1')	105	100
880-59551-2	S-1 (1.5')	98	97
880-59551-3	S-2 (0-1')	106	103
880-59551-4	S-2 (1.5')	106	98
880-59551-5	S-2 (2')	99	96
880-59551-6	S-3 (1.5')	104	91
880-59551-7	S-3 (2')	102	95
880-59551-8	S-4 (0-1')	115	86
880-59551-9	S-4 (1.5')	607 S1+	480 S1+
880-59551-10	S-4 (2')	119	91
880-59551-11	S-5 (0-1')	90	98
880-59551-12	S-5 (1.5')	99	98
880-59551-13	S-5 (2')	97	92
LCS 880-112665/1-A	Lab Control Sample	91	91
LCS 880-112667/1-A	Lab Control Sample	103	102
LCS 880-112668/1-A	Lab Control Sample	95	96
LCSD 880-112665/2-A	Lab Control Sample Dup	88	90
LCSD 880-112667/2-A	Lab Control Sample Dup	111	97
LCSD 880-112668/2-A	Lab Control Sample Dup	99	96
MB 880-112665/5-A	Method Blank	93	95
MB 880-112667/5-A	Method Blank	104	90
MB 880-112668/5-A	Method Blank	99	86

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1	OTPH1
		(70-130)	(70-130)
820-19485-A-1-E MS	Matrix Spike	114	109
820-19485-A-1-F MSD	Matrix Spike Duplicate	113	108
880-59551-1	S-1 (0-1')	111	124
880-59551-2	S-1 (1.5')	109	113
880-59551-3	S-2 (0-1')	105	117
880-59551-4	S-2 (1.5')	104	107
880-59551-5	S-2 (2')	108	110
880-59551-6	S-3 (1.5')	112	116
880-59551-7	S-3 (2')	112	115
880-59551-8	S-4 (0-1')	108	110
880-59551-9	S-4 (1.5')	111	114

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-59551-1

Project/Site: Cotton Draw Unit 25 Well Pad 4

SDG: Eddy County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-59551-10	S-4 (2')	109	112
880-59551-11	S-5 (0-1')	97	100
880-59551-12	S-5 (1.5')	97	105
880-59551-13	S-5 (2')	98	100
890-8316-A-12-C MS	Matrix Spike	87	94
890-8316-A-12-D MSD	Matrix Spike Duplicate	89	97
LCS 880-112664/2-A	Lab Control Sample	113	125
LCS 880-112674/2-A	Lab Control Sample	130	125
LCSD 880-112664/3-A	Lab Control Sample Dup	129	120
LCSD 880-112674/3-A	Lab Control Sample Dup	74	73
MB 880-112664/1-A	Method Blank	120	127
MB 880-112674/1-A	Method Blank	116	118
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

QC Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-59551-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-112665/5-A

Matrix: Solid

Analysis Batch: 112654

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 112665

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/20/25 09:14	06/20/25 11:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/20/25 09:14	06/20/25 11:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/20/25 09:14	06/20/25 11:32	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		06/20/25 09:14	06/20/25 11:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/20/25 09:14	06/20/25 11:32	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/20/25 09:14	06/20/25 11:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	06/20/25 09:14	06/20/25 11:32	1
1,4-Difluorobenzene (Surr)	95		70 - 130	06/20/25 09:14	06/20/25 11:32	1

Lab Sample ID: LCS 880-112665/1-A

Matrix: Solid

Analysis Batch: 112654

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 112665

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1049		mg/Kg		105	70 - 130
Toluene	0.100	0.09715		mg/Kg		97	70 - 130
Ethylbenzene	0.100	0.1008		mg/Kg		101	70 - 130
m,p-Xylenes	0.200	0.2037		mg/Kg		102	70 - 130
o-Xylene	0.100	0.1038		mg/Kg		104	70 - 130

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

Lab Sample ID: LCSD 880-112665/2-A

Matrix: Solid

Analysis Batch: 112654

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 112665

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1036		mg/Kg		104	70 - 130	1	35
Toluene	0.100	0.09543		mg/Kg		95	70 - 130	2	35
Ethylbenzene	0.100	0.09910		mg/Kg		99	70 - 130	2	35
m,p-Xylenes	0.200	0.2005		mg/Kg		100	70 - 130	2	35
o-Xylene	0.100	0.1019		mg/Kg		102	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	88		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: 880-59525-A-1-H MS

Matrix: Solid

Analysis Batch: 112654

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 112665

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00198	U	0.100	0.09608		mg/Kg		96	70 - 130
Toluene	<0.00198	U	0.100	0.08755		mg/Kg		88	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-59551-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-59525-A-1-H MS

Matrix: Solid

Analysis Batch: 112654

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 112665

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00198	U	0.100	0.09131		mg/Kg		91	70 - 130
m,p-Xylenes	<0.00396	U	0.200	0.1861		mg/Kg		93	70 - 130
o-Xylene	<0.00198	U	0.100	0.09494		mg/Kg		95	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: 880-59525-A-1-I MSD

Matrix: Solid

Analysis Batch: 112654

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 112665

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.100	0.09744		mg/Kg		97	70 - 130	1	35
Toluene	<0.00198	U	0.100	0.09108		mg/Kg		91	70 - 130	4	35
Ethylbenzene	<0.00198	U	0.100	0.09248		mg/Kg		92	70 - 130	1	35
m,p-Xylenes	<0.00396	U	0.200	0.1876		mg/Kg		94	70 - 130	1	35
o-Xylene	<0.00198	U	0.100	0.09551		mg/Kg		96	70 - 130	1	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: MB 880-112667/5-A

Matrix: Solid

Analysis Batch: 112655

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 112667

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/20/25 09:20	06/20/25 11:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/20/25 09:20	06/20/25 11:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/20/25 09:20	06/20/25 11:42	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		06/20/25 09:20	06/20/25 11:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/20/25 09:20	06/20/25 11:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/20/25 09:20	06/20/25 11:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	06/20/25 09:20	06/20/25 11:42	1
1,4-Difluorobenzene (Surr)	90		70 - 130	06/20/25 09:20	06/20/25 11:42	1

Lab Sample ID: LCS 880-112667/1-A

Matrix: Solid

Analysis Batch: 112655

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 112667

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1292		mg/Kg		129	70 - 130
Toluene	0.100	0.1057		mg/Kg		106	70 - 130
Ethylbenzene	0.100	0.1081		mg/Kg		108	70 - 130
m,p-Xylenes	0.200	0.2145		mg/Kg		107	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-59551-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-112667/1-A

Matrix: Solid

Analysis Batch: 112655

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 112667

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.1067		mg/Kg		107	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 880-112667/2-A

Matrix: Solid

Analysis Batch: 112655

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 112667

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1185		mg/Kg		118	70 - 130	9	35
Toluene	0.100	0.1036		mg/Kg		104	70 - 130	2	35
Ethylbenzene	0.100	0.1091		mg/Kg		109	70 - 130	1	35
m,p-Xylenes	0.200	0.2231		mg/Kg		112	70 - 130	4	35
o-Xylene	0.100	0.1119		mg/Kg		112	70 - 130	5	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 880-59525-A-4-D MS

Matrix: Solid

Analysis Batch: 112655

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 112667

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00198	U	0.100	0.1216		mg/Kg		122	70 - 130
Toluene	<0.00198	U	0.100	0.1004		mg/Kg		100	70 - 130
Ethylbenzene	<0.00198	U	0.100	0.1022		mg/Kg		102	70 - 130
m,p-Xylenes	<0.00396	U	0.200	0.2033		mg/Kg		102	70 - 130
o-Xylene	<0.00198	U	0.100	0.1016		mg/Kg		102	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-59525-A-4-E MSD

Matrix: Solid

Analysis Batch: 112655

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 112667

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00198	U	0.100	0.1246		mg/Kg		125	70 - 130	2	35
Toluene	<0.00198	U	0.100	0.1029		mg/Kg		103	70 - 130	2	35
Ethylbenzene	<0.00198	U	0.100	0.1044		mg/Kg		104	70 - 130	2	35
m,p-Xylenes	<0.00396	U	0.200	0.2071		mg/Kg		104	70 - 130	2	35
o-Xylene	<0.00198	U	0.100	0.1033		mg/Kg		103	70 - 130	2	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-59551-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-59525-A-4-E MSD

Matrix: Solid

Analysis Batch: 112655

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 112667

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: MB 880-112668/5-A

Matrix: Solid

Analysis Batch: 112656

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 112668

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/20/25 09:29	06/20/25 11:42	1	
Toluene	<0.00200	U	0.00200		mg/Kg		06/20/25 09:29	06/20/25 11:42	1	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/20/25 09:29	06/20/25 11:42	1	
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		06/20/25 09:29	06/20/25 11:42	1	
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/20/25 09:29	06/20/25 11:42	1	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/20/25 09:29	06/20/25 11:42	1	

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				06/20/25 09:29	06/20/25 11:42	1	
1,4-Difluorobenzene (Surr)	86		70 - 130				06/20/25 09:29	06/20/25 11:42	1	

Lab Sample ID: LCS 880-112668/1-A

Matrix: Solid

Analysis Batch: 112656

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 112668

	Spike	LCS	LCS					%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Benzene	0.100	0.1089		mg/Kg		109	70 - 130			
Toluene	0.100	0.09616		mg/Kg		96	70 - 130			
Ethylbenzene	0.100	0.09969		mg/Kg		100	70 - 130			
m,p-Xylenes	0.200	0.2076		mg/Kg		104	70 - 130			
o-Xylene	0.100	0.1022		mg/Kg		102	70 - 130			

	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)	95		70 - 130							
1,4-Difluorobenzene (Surr)	96		70 - 130							

Lab Sample ID: LCSD 880-112668/2-A

Matrix: Solid

Analysis Batch: 112656

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 112668

			Spike	LCSD	LCSD						RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene			0.100	0.1101		mg/Kg		110	70 - 130	1	35
Toluene			0.100	0.09947		mg/Kg		99	70 - 130	3	35
Ethylbenzene			0.100	0.1038		mg/Kg		104	70 - 130	4	35
m,p-Xylenes			0.200	0.2166		mg/Kg		108	70 - 130	4	35
o-Xylene			0.100	0.1069		mg/Kg		107	70 - 130	5	35
			LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	99		70 - 130								

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QC Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-59551-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-112668/2-A

Matrix: Solid

Analysis Batch: 112656

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 112668

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

Lab Sample ID: 880-59525-A-7-D MS

Matrix: Solid

Analysis Batch: 112656

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 112668

	Sample	Sample	Spike	MS	MS			%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	<0.00198	U	0.100	0.09171		mg/Kg		92	70 - 130
Toluene	<0.00198	U	0.100	0.08194		mg/Kg		82	70 - 130
Ethylbenzene	<0.00198	U	0.100	0.08432		mg/Kg		84	70 - 130
m,p-Xylenes	<0.00396	U	0.200	0.1767		mg/Kg		88	70 - 130
o-Xylene	<0.00198	U	0.100	0.08748		mg/Kg		87	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-59525-A-7-E MSD

Matrix: Solid

Analysis Batch: 112656

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 112668

	Sample	Sample	Spike	MSD	MSD			%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00198	U	0.100	0.09831		mg/Kg		98	70 - 130	7	35
Toluene	<0.00198	U	0.100	0.08929		mg/Kg		89	70 - 130	9	35
Ethylbenzene	<0.00198	U	0.100	0.09215		mg/Kg		92	70 - 130	9	35
m,p-Xylenes	<0.00396	U	0.200	0.1933		mg/Kg		97	70 - 130	9	35
o-Xylene	<0.00198	U	0.100	0.09589		mg/Kg		96	70 - 130	9	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

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

Lab Sample ID: MB 880-112664/1-A

Matrix: Solid

Analysis Batch: 112675

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 112664

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/20/25 09:12	06/21/25 03:42		1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/20/25 09:12	06/21/25 03:42		1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/20/25 09:12	06/21/25 03:42		1

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac			
1-Chlorooctane (Surr)	120		70 - 130	06/20/25 09:12	06/21/25 03:42		1			
o-Terphenyl (Surr)	127		70 - 130	06/20/25 09:12	06/21/25 03:42		1			

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-59551-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-112664/2-A

Matrix: Solid

Analysis Batch: 112675

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 112664

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1031		mg/Kg		103	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1151		mg/Kg		115	70 - 130
	LCS	LCS					
	%Recovery	Qualifier	Limits				
1-Chlorooctane (Surr)	113		70 - 130				
o-Terphenyl (Surr)	125		70 - 130				

Lab Sample ID: LCSD 880-112664/3-A

Matrix: Solid

Analysis Batch: 112675

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 112664

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1004		mg/Kg		100	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	1025		mg/Kg		102	70 - 130	12	20
	LCSD	LCSD							
	%Recovery	Qualifier	Limits						
1-Chlorooctane (Surr)	129		70 - 130						
o-Terphenyl (Surr)	120		70 - 130						

Lab Sample ID: 890-8316-A-12-C MS

Matrix: Solid

Analysis Batch: 112675

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 112664

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	999	780.7		mg/Kg		78	70 - 130
Diesel Range Organics (Over C10-C28)	<49.7	U	999	851.7		mg/Kg		85	70 - 130
	MS	MS							
	%Recovery	Qualifier	Limits						
1-Chlorooctane (Surr)	87		70 - 130						
o-Terphenyl (Surr)	94		70 - 130						

Lab Sample ID: 890-8316-A-12-D MSD

Matrix: Solid

Analysis Batch: 112675

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 112664

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	<49.7	U	999	798.7		mg/Kg		80	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.7	U	999	876.7		mg/Kg		88	70 - 130	3	20
	MSD	MSD									
	%Recovery	Qualifier	Limits								
1-Chlorooctane (Surr)	89		70 - 130								

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-59551-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 890-8316-A-12-D MSD

Matrix: Solid

Analysis Batch: 112675

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 112664

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl (Surr)	97		70 - 130

Lab Sample ID: MB 880-112674/1-A

Matrix: Solid

Analysis Batch: 112684

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 112674

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/20/25 10:57	06/20/25 09:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/20/25 10:57	06/20/25 09:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/20/25 10:57	06/20/25 09:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	116		70 - 130				06/20/25 10:57	06/20/25 09:14	1
<i>o</i> -Terphenyl (Surr)	118		70 - 130				06/20/25 10:57	06/20/25 09:14	1

Lab Sample ID: LCS 880-112674/2-A

Matrix: Solid

Analysis Batch: 112684

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 112674

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1201		mg/Kg		120	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1100		mg/Kg		110	70 - 130
Surrogate	%Recovery	Qualifier	Limits				
1-Chlorooctane (Surr)	130		70 - 130				
<i>o</i> -Terphenyl (Surr)	125		70 - 130				

Lab Sample ID: LCSD 880-112674/3-A

Matrix: Solid

Analysis Batch: 112684

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 112674

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1008		mg/Kg		101	70 - 130	17	20
Diesel Range Organics (Over C10-C28)	1000	846.7	*1	mg/Kg		85	70 - 130	26	20
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane (Surr)	74		70 - 130						
<i>o</i> -Terphenyl (Surr)	73		70 - 130						

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-59551-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 820-19485-A-1-E MS

Matrix: Solid

Analysis Batch: 112684

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 112674

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	998	893.6		mg/Kg		90	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.7	U *1	998	786.8		mg/Kg		77	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane (Surr)	114		70 - 130								
o-Terphenyl (Surr)	109		70 - 130								

Lab Sample ID: 820-19485-A-1-F MSD

Matrix: Solid

Analysis Batch: 112684

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 112674

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	<49.7	U	998	864.7		mg/Kg		87	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.7	U *1	998	776.8		mg/Kg		76	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	113		70 - 130								
o-Terphenyl (Surr)	108		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-112700/1-A

Matrix: Solid

Analysis Batch: 112702

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			06/20/25 20:48	1

Lab Sample ID: LCS 880-112700/2-A

Matrix: Solid

Analysis Batch: 112702

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	250.0		mg/Kg		100	90 - 110		

Lab Sample ID: LCSD 880-112700/3-A

Matrix: Solid

Analysis Batch: 112702

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	247.1		mg/Kg		99	90 - 110	1	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-59551-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-59551-4 MS											Client Sample ID: S-2 (1.5')	
Matrix: Solid											Prep Type: Soluble	
Analysis Batch: 112702												
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits			
Chloride	463		251	700.0		mg/Kg		94	90 - 110			

Lab Sample ID: 880-59551-4 MSD											Client Sample ID: S-2 (1.5')	
Matrix: Solid											Prep Type: Soluble	
Analysis Batch: 112702												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	463		251	688.4		mg/Kg		90	90 - 110	2	20	

QC Association Summary

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-59551-1
SDG: Eddy County, New Mexico

GC VOA

Analysis Batch: 112654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59551-1	S-1 (0-1')	Total/NA	Solid	8021B	112665
880-59551-2	S-1 (1.5')	Total/NA	Solid	8021B	112665
880-59551-3	S-2 (0-1')	Total/NA	Solid	8021B	112665
880-59551-4	S-2 (1.5')	Total/NA	Solid	8021B	112665
880-59551-5	S-2 (2')	Total/NA	Solid	8021B	112665
880-59551-6	S-3 (1.5')	Total/NA	Solid	8021B	112665
880-59551-7	S-3 (2')	Total/NA	Solid	8021B	112665
MB 880-112665/5-A	Method Blank	Total/NA	Solid	8021B	112665
LCS 880-112665/1-A	Lab Control Sample	Total/NA	Solid	8021B	112665
LCSD 880-112665/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	112665
880-59525-A-1-H MS	Matrix Spike	Total/NA	Solid	8021B	112665
880-59525-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	112665

Analysis Batch: 112655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59551-8	S-4 (0-1')	Total/NA	Solid	8021B	112667
880-59551-9	S-4 (1.5')	Total/NA	Solid	8021B	112667
880-59551-10	S-4 (2')	Total/NA	Solid	8021B	112667
MB 880-112667/5-A	Method Blank	Total/NA	Solid	8021B	112667
LCS 880-112667/1-A	Lab Control Sample	Total/NA	Solid	8021B	112667
LCSD 880-112667/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	112667
880-59525-A-4-D MS	Matrix Spike	Total/NA	Solid	8021B	112667
880-59525-A-4-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	112667

Analysis Batch: 112656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59551-11	S-5 (0-1')	Total/NA	Solid	8021B	112668
880-59551-12	S-5 (1.5')	Total/NA	Solid	8021B	112668
880-59551-13	S-5 (2')	Total/NA	Solid	8021B	112668
MB 880-112668/5-A	Method Blank	Total/NA	Solid	8021B	112668
LCS 880-112668/1-A	Lab Control Sample	Total/NA	Solid	8021B	112668
LCSD 880-112668/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	112668
880-59525-A-7-D MS	Matrix Spike	Total/NA	Solid	8021B	112668
880-59525-A-7-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	112668

Prep Batch: 112665

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59551-1	S-1 (0-1')	Total/NA	Solid	5035	
880-59551-2	S-1 (1.5')	Total/NA	Solid	5035	
880-59551-3	S-2 (0-1')	Total/NA	Solid	5035	
880-59551-4	S-2 (1.5')	Total/NA	Solid	5035	
880-59551-5	S-2 (2')	Total/NA	Solid	5035	
880-59551-6	S-3 (1.5')	Total/NA	Solid	5035	
880-59551-7	S-3 (2')	Total/NA	Solid	5035	
MB 880-112665/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-112665/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-112665/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-59525-A-1-H MS	Matrix Spike	Total/NA	Solid	5035	
880-59525-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

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QC Association Summary

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-59551-1
SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 112667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59551-8	S-4 (0-1')	Total/NA	Solid	5035	
880-59551-9	S-4 (1.5')	Total/NA	Solid	5035	
880-59551-10	S-4 (2')	Total/NA	Solid	5035	
MB 880-112667/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-112667/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-112667/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-59525-A-4-D MS	Matrix Spike	Total/NA	Solid	5035	
880-59525-A-4-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 112668

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59551-11	S-5 (0-1')	Total/NA	Solid	5035	
880-59551-12	S-5 (1.5')	Total/NA	Solid	5035	
880-59551-13	S-5 (2')	Total/NA	Solid	5035	
MB 880-112668/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-112668/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-112668/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-59525-A-7-D MS	Matrix Spike	Total/NA	Solid	5035	
880-59525-A-7-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 112713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59551-1	S-1 (0-1')	Total/NA	Solid	Total BTEX	
880-59551-2	S-1 (1.5')	Total/NA	Solid	Total BTEX	
880-59551-3	S-2 (0-1')	Total/NA	Solid	Total BTEX	
880-59551-4	S-2 (1.5')	Total/NA	Solid	Total BTEX	
880-59551-5	S-2 (2')	Total/NA	Solid	Total BTEX	
880-59551-6	S-3 (1.5')	Total/NA	Solid	Total BTEX	
880-59551-7	S-3 (2')	Total/NA	Solid	Total BTEX	
880-59551-8	S-4 (0-1')	Total/NA	Solid	Total BTEX	
880-59551-9	S-4 (1.5')	Total/NA	Solid	Total BTEX	
880-59551-10	S-4 (2')	Total/NA	Solid	Total BTEX	
880-59551-11	S-5 (0-1')	Total/NA	Solid	Total BTEX	
880-59551-12	S-5 (1.5')	Total/NA	Solid	Total BTEX	
880-59551-13	S-5 (2')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 112664

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59551-11	S-5 (0-1')	Total/NA	Solid	8015NM Prep	
880-59551-12	S-5 (1.5')	Total/NA	Solid	8015NM Prep	
880-59551-13	S-5 (2')	Total/NA	Solid	8015NM Prep	
MB 880-112664/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-112664/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-112664/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8316-A-12-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-8316-A-12-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-59551-1
SDG: Eddy County, New Mexico

GC Semi VOA

Prep Batch: 112674

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59551-1	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-59551-2	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-59551-3	S-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-59551-4	S-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-59551-5	S-2 (2')	Total/NA	Solid	8015NM Prep	
880-59551-6	S-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-59551-7	S-3 (2')	Total/NA	Solid	8015NM Prep	
880-59551-8	S-4 (0-1')	Total/NA	Solid	8015NM Prep	
880-59551-9	S-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-59551-10	S-4 (2')	Total/NA	Solid	8015NM Prep	
MB 880-112674/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-112674/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-112674/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
820-19485-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
820-19485-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 112675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59551-11	S-5 (0-1')	Total/NA	Solid	8015B NM	112664
880-59551-12	S-5 (1.5')	Total/NA	Solid	8015B NM	112664
880-59551-13	S-5 (2')	Total/NA	Solid	8015B NM	112664
MB 880-112664/1-A	Method Blank	Total/NA	Solid	8015B NM	112664
LCS 880-112664/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	112664
LCSD 880-112664/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	112664
890-8316-A-12-C MS	Matrix Spike	Total/NA	Solid	8015B NM	112664
890-8316-A-12-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	112664

Analysis Batch: 112684

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59551-1	S-1 (0-1')	Total/NA	Solid	8015B NM	112674
880-59551-2	S-1 (1.5')	Total/NA	Solid	8015B NM	112674
880-59551-3	S-2 (0-1')	Total/NA	Solid	8015B NM	112674
880-59551-4	S-2 (1.5')	Total/NA	Solid	8015B NM	112674
880-59551-5	S-2 (2')	Total/NA	Solid	8015B NM	112674
880-59551-6	S-3 (1.5')	Total/NA	Solid	8015B NM	112674
880-59551-7	S-3 (2')	Total/NA	Solid	8015B NM	112674
880-59551-8	S-4 (0-1')	Total/NA	Solid	8015B NM	112674
880-59551-9	S-4 (1.5')	Total/NA	Solid	8015B NM	112674
880-59551-10	S-4 (2')	Total/NA	Solid	8015B NM	112674
MB 880-112674/1-A	Method Blank	Total/NA	Solid	8015B NM	112674
LCS 880-112674/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	112674
LCSD 880-112674/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	112674
820-19485-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	112674
820-19485-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	112674

Analysis Batch: 112740

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59551-1	S-1 (0-1')	Total/NA	Solid	8015 NM	
880-59551-2	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-59551-3	S-2 (0-1')	Total/NA	Solid	8015 NM	
880-59551-4	S-2 (1.5')	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-59551-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 112740 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59551-5	S-2 (2')	Total/NA	Solid	8015 NM	
880-59551-6	S-3 (1.5')	Total/NA	Solid	8015 NM	
880-59551-7	S-3 (2')	Total/NA	Solid	8015 NM	
880-59551-8	S-4 (0-1')	Total/NA	Solid	8015 NM	
880-59551-9	S-4 (1.5')	Total/NA	Solid	8015 NM	
880-59551-10	S-4 (2')	Total/NA	Solid	8015 NM	
880-59551-11	S-5 (0-1')	Total/NA	Solid	8015 NM	
880-59551-12	S-5 (1.5')	Total/NA	Solid	8015 NM	
880-59551-13	S-5 (2')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 112700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59551-1	S-1 (0-1')	Soluble	Solid	DI Leach	
880-59551-2	S-1 (1.5')	Soluble	Solid	DI Leach	
880-59551-3	S-2 (0-1')	Soluble	Solid	DI Leach	
880-59551-4	S-2 (1.5')	Soluble	Solid	DI Leach	
880-59551-5	S-2 (2')	Soluble	Solid	DI Leach	
880-59551-6	S-3 (1.5')	Soluble	Solid	DI Leach	
880-59551-7	S-3 (2')	Soluble	Solid	DI Leach	
880-59551-8	S-4 (0-1')	Soluble	Solid	DI Leach	
880-59551-9	S-4 (1.5')	Soluble	Solid	DI Leach	
880-59551-10	S-4 (2')	Soluble	Solid	DI Leach	
880-59551-11	S-5 (0-1')	Soluble	Solid	DI Leach	
880-59551-12	S-5 (1.5')	Soluble	Solid	DI Leach	
880-59551-13	S-5 (2')	Soluble	Solid	DI Leach	
MB 880-112700/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-112700/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-112700/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-59551-4 MS	S-2 (1.5')	Soluble	Solid	DI Leach	
880-59551-4 MSD	S-2 (1.5')	Soluble	Solid	DI Leach	

Analysis Batch: 112702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59551-1	S-1 (0-1')	Soluble	Solid	300.0	112700
880-59551-2	S-1 (1.5')	Soluble	Solid	300.0	112700
880-59551-3	S-2 (0-1')	Soluble	Solid	300.0	112700
880-59551-4	S-2 (1.5')	Soluble	Solid	300.0	112700
880-59551-5	S-2 (2')	Soluble	Solid	300.0	112700
880-59551-6	S-3 (1.5')	Soluble	Solid	300.0	112700
880-59551-7	S-3 (2')	Soluble	Solid	300.0	112700
880-59551-8	S-4 (0-1')	Soluble	Solid	300.0	112700
880-59551-9	S-4 (1.5')	Soluble	Solid	300.0	112700
880-59551-10	S-4 (2')	Soluble	Solid	300.0	112700
880-59551-11	S-5 (0-1')	Soluble	Solid	300.0	112700
880-59551-12	S-5 (1.5')	Soluble	Solid	300.0	112700
880-59551-13	S-5 (2')	Soluble	Solid	300.0	112700
MB 880-112700/1-A	Method Blank	Soluble	Solid	300.0	112700
LCS 880-112700/2-A	Lab Control Sample	Soluble	Solid	300.0	112700
LCSD 880-112700/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	112700

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-59551-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 112702 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59551-4 MS	S-2 (1.5')	Soluble	Solid	300.0	112700
880-59551-4 MSD	S-2 (1.5')	Soluble	Solid	300.0	112700

- 1
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Lab Chronicle

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-59551-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-59551-1

Date Collected: 06/19/25 00:00

Matrix: Solid

Date Received: 06/20/25 10:24

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	112665	06/20/25 11:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112654	06/20/25 17:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112713	06/20/25 17:21	SA	EET MID
Total/NA	Analysis	8015 NM		1			112740	06/20/25 16:15	SA	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	112674	06/20/25 10:57	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112684	06/20/25 16:15	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	112700	06/20/25 13:31	SI	EET MID
Soluble	Analysis	300.0		1			112702	06/20/25 22:29	CS	EET MID

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-59551-2

Date Collected: 06/19/25 00:00

Matrix: Solid

Date Received: 06/20/25 10:24

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	112665	06/20/25 11:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112654	06/20/25 17:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112713	06/20/25 17:41	SA	EET MID
Total/NA	Analysis	8015 NM		1			112740	06/20/25 16:31	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	112674	06/20/25 10:57	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112684	06/20/25 16:31	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	112700	06/20/25 13:31	SI	EET MID
Soluble	Analysis	300.0		1			112702	06/20/25 22:36	CS	EET MID

Client Sample ID: S-2 (0-1')

Lab Sample ID: 880-59551-3

Date Collected: 06/19/25 00:00

Matrix: Solid

Date Received: 06/20/25 10:24

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	112665	06/20/25 11:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112654	06/20/25 18:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112713	06/20/25 18:02	SA	EET MID
Total/NA	Analysis	8015 NM		1			112740	06/20/25 16:46	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	112674	06/20/25 10:57	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112684	06/20/25 16:46	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	112700	06/20/25 13:31	SI	EET MID
Soluble	Analysis	300.0		1			112702	06/20/25 22:43	CS	EET MID

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-59551-4

Date Collected: 06/19/25 00:00

Matrix: Solid

Date Received: 06/20/25 10:24

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	112665	06/20/25 11:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112654	06/20/25 18:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112713	06/20/25 18:22	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-59551-1
SDG: Eddy County, New Mexico

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-59551-4

Date Collected: 06/19/25 00:00

Matrix: Solid

Date Received: 06/20/25 10:24

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			112740	06/20/25 17:02	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	112674	06/20/25 10:57	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112684	06/20/25 17:02	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	112700	06/20/25 13:31	SI	EET MID
Soluble	Analysis	300.0		1			112702	06/20/25 22:50	CS	EET MID

Client Sample ID: S-2 (2')

Lab Sample ID: 880-59551-5

Date Collected: 06/19/25 00:00

Matrix: Solid

Date Received: 06/20/25 10:24

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	112665	06/20/25 11:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112654	06/20/25 18:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112713	06/20/25 18:43	SA	EET MID
Total/NA	Analysis	8015 NM		1			112740	06/20/25 17:17	SA	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	112674	06/20/25 10:57	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112684	06/20/25 17:17	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	112700	06/20/25 13:31	SI	EET MID
Soluble	Analysis	300.0		1			112702	06/20/25 23:12	CS	EET MID

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-59551-6

Date Collected: 06/19/25 00:00

Matrix: Solid

Date Received: 06/20/25 10:24

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	112665	06/20/25 11:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112654	06/20/25 19:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112713	06/20/25 19:03	SA	EET MID
Total/NA	Analysis	8015 NM		1			112740	06/20/25 17:33	SA	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	112674	06/20/25 10:57	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112684	06/20/25 17:33	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	112700	06/20/25 13:31	SI	EET MID
Soluble	Analysis	300.0		1			112702	06/20/25 23:19	CS	EET MID

Client Sample ID: S-3 (2')

Lab Sample ID: 880-59551-7

Date Collected: 06/19/25 00:00

Matrix: Solid

Date Received: 06/20/25 10:24

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	112665	06/20/25 11:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112654	06/20/25 19:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112713	06/20/25 19:23	SA	EET MID
Total/NA	Analysis	8015 NM		1			112740	06/20/25 17:48	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	112674	06/20/25 10:57	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112684	06/20/25 17:48	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-59551-1
SDG: Eddy County, New Mexico

Client Sample ID: S-3 (2')

Date Collected: 06/19/25 00:00

Date Received: 06/20/25 10:24

Lab Sample ID: 880-59551-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	112700	06/20/25 13:31	SI	EET MID
Soluble	Analysis	300.0		1			112702	06/20/25 23:41	CS	EET MID

Client Sample ID: S-4 (0-1')

Date Collected: 06/19/25 00:00

Date Received: 06/20/25 10:24

Lab Sample ID: 880-59551-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	112667	06/20/25 11:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112655	06/20/25 15:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112713	06/20/25 15:46	SA	EET MID
Total/NA	Analysis	8015 NM		1			112740	06/20/25 18:04	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	112674	06/20/25 10:57	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112684	06/20/25 18:04	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	112700	06/20/25 13:31	SI	EET MID
Soluble	Analysis	300.0		1			112702	06/20/25 23:48	CS	EET MID

Client Sample ID: S-4 (1.5')

Date Collected: 06/19/25 00:00

Date Received: 06/20/25 10:24

Lab Sample ID: 880-59551-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	112667	06/20/25 11:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112655	06/20/25 16:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112713	06/20/25 16:07	SA	EET MID
Total/NA	Analysis	8015 NM		1			112740	06/20/25 18:19	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	112674	06/20/25 10:57	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112684	06/20/25 18:19	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	112700	06/20/25 13:31	SI	EET MID
Soluble	Analysis	300.0		1			112702	06/20/25 23:55	CS	EET MID

Client Sample ID: S-4 (2')

Date Collected: 06/19/25 00:00

Date Received: 06/20/25 10:24

Lab Sample ID: 880-59551-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	112667	06/20/25 11:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112655	06/20/25 16:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112713	06/20/25 16:27	SA	EET MID
Total/NA	Analysis	8015 NM		1			112740	06/20/25 18:34	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	112674	06/20/25 10:57	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112684	06/20/25 18:34	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	112700	06/20/25 13:31	SI	EET MID
Soluble	Analysis	300.0		1			112702	06/21/25 00:02	CS	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-59551-1
SDG: Eddy County, New Mexico

Client Sample ID: S-5 (0-1')

Lab Sample ID: 880-59551-11

Date Collected: 06/19/25 00:00

Matrix: Solid

Date Received: 06/20/25 10:24

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	112668	06/20/25 11:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112656	06/20/25 13:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112713	06/20/25 13:46	SA	EET MID
Total/NA	Analysis	8015 NM		1			112740	06/21/25 10:00	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	112664	06/20/25 09:12	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112675	06/21/25 10:00	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	112700	06/20/25 13:31	SI	EET MID
Soluble	Analysis	300.0		1			112702	06/21/25 00:09	CS	EET MID

Client Sample ID: S-5 (1.5')

Lab Sample ID: 880-59551-12

Date Collected: 06/19/25 00:00

Matrix: Solid

Date Received: 06/20/25 10:24

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	112668	06/20/25 11:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112656	06/20/25 14:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112713	06/20/25 14:06	SA	EET MID
Total/NA	Analysis	8015 NM		1			112740	06/21/25 10:16	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	112664	06/20/25 09:12	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112675	06/21/25 10:16	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	112700	06/20/25 13:31	SI	EET MID
Soluble	Analysis	300.0		1			112702	06/21/25 00:16	CS	EET MID

Client Sample ID: S-5 (2')

Lab Sample ID: 880-59551-13

Date Collected: 06/19/25 00:00

Matrix: Solid

Date Received: 06/20/25 10:24

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	112668	06/20/25 11:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112656	06/20/25 14:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112713	06/20/25 14:27	SA	EET MID
Total/NA	Analysis	8015 NM		1			112740	06/21/25 10:32	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	112664	06/20/25 09:12	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112675	06/21/25 10:32	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	112700	06/20/25 13:31	SI	EET MID
Soluble	Analysis	300.0		1			112702	06/21/25 00:24	CS	EET MID

Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-59551-1
SDG: Eddy County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

- 1
- 2
- 3
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Method Summary

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-59551-1
SDG: Eddy County, New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-59551-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-59551-1	S-1 (0-1')	Solid	06/19/25 00:00	06/20/25 10:24
880-59551-2	S-1 (1.5')	Solid	06/19/25 00:00	06/20/25 10:24
880-59551-3	S-2 (0-1')	Solid	06/19/25 00:00	06/20/25 10:24
880-59551-4	S-2 (1.5')	Solid	06/19/25 00:00	06/20/25 10:24
880-59551-5	S-2 (2')	Solid	06/19/25 00:00	06/20/25 10:24
880-59551-6	S-3 (1.5')	Solid	06/19/25 00:00	06/20/25 10:24
880-59551-7	S-3 (2')	Solid	06/19/25 00:00	06/20/25 10:24
880-59551-8	S-4 (0-1')	Solid	06/19/25 00:00	06/20/25 10:24
880-59551-9	S-4 (1.5')	Solid	06/19/25 00:00	06/20/25 10:24
880-59551-10	S-4 (2')	Solid	06/19/25 00:00	06/20/25 10:24
880-59551-11	S-5 (0-1')	Solid	06/19/25 00:00	06/20/25 10:24
880-59551-12	S-5 (1.5')	Solid	06/19/25 00:00	06/20/25 10:24
880-59551-13	S-5 (2')	Solid	06/19/25 00:00	06/20/25 10:24

Chain of Custody



880-59551 Chain of Custody

Page 1 of 2

Work Order Comments

Program: ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund

State of Project: ☐ Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV

Reporting Level: ☐ Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV

Deliverables: ☐ EDD ☐ ADAPT ☐ Other:

Project Manager: Conner Moehring

Company Name: Carmona Resources

Address: 310 W Wall St Ste 500

City, State ZIP: Midland, TX 79701

Phone: 432-813-6823

Bill to: (if different)

Company Name: Carmona Resources

Address:

City, State ZIP:

Email: mcarmona@carmonaresources.com

Project Name: Cotton Draw Unit 25 Well Pad 4		Turn Around		Parameters		Preservative Codes	
Project Number: 2764	Project Location: Eddy County, New Mexico	☐ Routine	☒ Rush	Due Date: 72 HR TAT	Wet Ice:	None: NO	DI Water: H ₂ O
Sampler's Name: JM	Thermometer ID: Yes No	Thermometer ID: Yes No	Thermometer ID: Yes No	Thermometer ID: Yes No	Thermometer ID: Yes No	Code: Cool	MeOH: Me
PO #:	Temp Blank: Yes No	Temp Blank: Yes No	Temp Blank: Yes No	Temp Blank: Yes No	Temp Blank: Yes No	HCL: HC	HNO ₃ : HN
Received Intact:	Yes No	Yes No	Yes No	Yes No	Yes No	H ₂ SO ₄ : H ₂	NaOH: Na
Cooler Custody Seals:	Yes No	Yes No	Yes No	Yes No	Yes No	H ₃ PO ₄ : HP	
Sample Custody Seals:	Yes No	Yes No	Yes No	Yes No	Yes No	NaHSO ₄ : NABIS	
Total Containers:	Yes No	Yes No	Yes No	Yes No	Yes No	Na ₂ S ₂ O ₃ : NaSO ₃	
	Temperature Reading:	Temperature Reading:	Temperature Reading:	Temperature Reading:	Temperature Reading:	Zn Acetate+NaOH: Zn	
	Corrected Temperature:	Corrected Temperature:	Corrected Temperature:	Corrected Temperature:	Corrected Temperature:	NaOH+Ascorbic Acid: SAPC	
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Sample Comments
S-1 (0-1')	6/19/2025		X	G	1	1	
S-1 (1.5')	6/19/2025		X	G	1	1	
S-2 (0-1')	6/19/2025		X	G	1	1	
S-2 (1.5')	6/19/2025		X	G	1	1	
S-2 (2')	6/19/2025		X	G	1	1	
S-3 (0-1')	6/19/2025		X	G	1	1	
S-3 (1.5')	6/19/2025		X	G	1	1	
S-4 (0-1')	6/19/2025		X	G	1	1	
S-4 (1.5')	6/19/2025		X	G	1	1	
S-4 (2')	6/19/2025		X	G	1	1	

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>REB-ty</i>	6/20/25 1:24	<i>[Signature]</i>	6/20/25 10:24

Chain of Custody

Work Order No:

Page 2 of 2

[illegible]

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-59551-1

SDG Number: Eddy County, New Mexico

Login Number: 59551

List Number: 1

List Source: Eurofins Midland

Creator: Vasquez, Julisa

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



Environment Testing

- 1
- 2
- 3
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- 13
- 14

ANALYTICAL REPORT

PREPARED FOR

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

Generated 10/30/2025 10:13:34 AM Revision 1

JOB DESCRIPTION

Cotton Draw Unit 25 Well Pad 4
Eddy County, New Mexico

JOB NUMBER

880-63892-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



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

Generated
10/30/2025 10:13:34 AM
Revision 1

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Laboratory Job ID: 880-63892-1
SDG: Eddy County, New Mexico

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	7
Surrogate Summary	26
QC Sample Results	28
QC Association Summary	36
Lab Chronicle	43
Certification Summary	51
Method Summary	52
Sample Summary	53
Chain of Custody	54
Receipt Checklists	57

1

2

3

4

5

6

7

8

9

10

11

12

13

14

Definitions/Glossary

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63892-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
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: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63892-1

Job ID: 880-63892-1

Eurofins Midland

Job Narrative
880-63892-1

REVISION

The report being provided is a revision of the original report sent on 10/20/2025. The report (revision 1) is being revised due to Per client email, requesting sample depth corrections.

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

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

Receipt

The samples were received on 10/15/2025 3:50 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -5.2°C.

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-121330 and analytical batch 880-121336 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.

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

Diesel Range Organics

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-121349 recovered below the limit for Gasoline Range Organics (GRO)-C6-C10. An acceptable CCV was ran within the 12 hour limit; therefore, the data have been reported. The associated sample is:(CCV 880-121349/6).

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-121197 and analytical batch 880-121349 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 surrogate recovery for the blank associated with preparation batch 880-121197 and analytical batch 880-121349 was outside the control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-121197/2-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-121323 and analytical batch 880-121344 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 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-121327 and analytical batch 880-121367 were outside control limits for one or more analytes. See QC Sample Results for

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Case Narrative

Client: Carmona Resources
Project: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63892-1

Job ID: 880-63892-1 (Continued) **Eurofins Midland**

detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

1
2
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4
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Client Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63892-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-1 (1.5')

Lab Sample ID: 880-63892-1

Date Collected: 10/15/25 00:00

Matrix: Solid

Date Received: 10/15/25 15:50

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		10/16/25 08:45	10/16/25 23:11	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/16/25 08:45	10/16/25 23:11	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/16/25 08:45	10/16/25 23:11	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		10/16/25 08:45	10/16/25 23:11	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/16/25 08:45	10/16/25 23:11	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/16/25 08:45	10/16/25 23:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	10/16/25 08:45	10/16/25 23:11	1
1,4-Difluorobenzene (Surr)	100		70 - 130	10/16/25 08:45	10/16/25 23:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/16/25 23:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/16/25 13:12	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		10/14/25 16:36	10/16/25 13:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/14/25 16:36	10/16/25 13:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/14/25 16:36	10/16/25 13:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	109		70 - 130	10/14/25 16:36	10/16/25 13:12	1
o-Terphenyl (Surr)	112		70 - 130	10/14/25 16:36	10/16/25 13:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	74.0	F1	10.1		mg/Kg			10/16/25 14:13	1

Client Sample ID: CS-2 (1.5')

Lab Sample ID: 880-63892-2

Date Collected: 10/15/25 00:00

Matrix: Solid

Date Received: 10/15/25 15:50

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		10/16/25 08:45	10/16/25 23:32	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/16/25 08:45	10/16/25 23:32	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/16/25 08:45	10/16/25 23:32	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		10/16/25 08:45	10/16/25 23:32	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/16/25 08:45	10/16/25 23:32	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/16/25 08:45	10/16/25 23:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	10/16/25 08:45	10/16/25 23:32	1
1,4-Difluorobenzene (Surr)	100		70 - 130	10/16/25 08:45	10/16/25 23:32	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63892-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-2 (1.5')

Lab Sample ID: 880-63892-2

Date Collected: 10/15/25 00:00

Matrix: Solid

Date Received: 10/15/25 15:50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			10/16/25 23:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/16/25 13:28	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	<50.0	U	50.0		mg/Kg		10/14/25 16:36	10/16/25 13:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/14/25 16:36	10/16/25 13:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/14/25 16:36	10/16/25 13:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	99		70 - 130				10/14/25 16:36	10/16/25 13:28	1
o-Terphenyl (Surr)	104		70 - 130				10/14/25 16:36	10/16/25 13:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	78.8		10.1		mg/Kg			10/16/25 14:31	1

Client Sample ID: CS-3 (1.5')

Lab Sample ID: 880-63892-3

Date Collected: 10/15/25 00:00

Matrix: Solid

Date Received: 10/15/25 15:50

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		10/16/25 08:45	10/16/25 23:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/16/25 08:45	10/16/25 23:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/16/25 08:45	10/16/25 23:52	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		10/16/25 08:45	10/16/25 23:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/16/25 08:45	10/16/25 23:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/16/25 08:45	10/16/25 23:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				10/16/25 08:45	10/16/25 23:52	1
1,4-Difluorobenzene (Surr)	95		70 - 130				10/16/25 08:45	10/16/25 23:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/16/25 23:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/16/25 13:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/14/25 16:36	10/16/25 13:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/14/25 16:36	10/16/25 13:58	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63892-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-3 (1.5')

Date Collected: 10/15/25 00:00

Date Received: 10/15/25 15:50

Lab Sample ID: 880-63892-3

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/14/25 16:36	10/16/25 13:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	94		70 - 130				10/14/25 16:36	10/16/25 13:58	1
o-Terphenyl (Surr)	98		70 - 130				10/14/25 16:36	10/16/25 13:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	106		9.96		mg/Kg			10/16/25 14:36	1

Client Sample ID: CS-4 (1.5')

Date Collected: 10/15/25 00:00

Date Received: 10/15/25 15:50

Lab Sample ID: 880-63892-4

Matrix: Solid

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		10/16/25 08:45	10/17/25 00:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/16/25 08:45	10/17/25 00:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/16/25 08:45	10/17/25 00:13	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		10/16/25 08:45	10/17/25 00:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/16/25 08:45	10/17/25 00:13	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/16/25 08:45	10/17/25 00:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				10/16/25 08:45	10/17/25 00:13	1
1,4-Difluorobenzene (Surr)	101		70 - 130				10/16/25 08:45	10/17/25 00:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/17/25 00:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/16/25 14:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/14/25 16:36	10/16/25 14:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/14/25 16:36	10/16/25 14:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/14/25 16:36	10/16/25 14:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	121		70 - 130				10/14/25 16:36	10/16/25 14:13	1
o-Terphenyl (Surr)	127		70 - 130				10/14/25 16:36	10/16/25 14:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	71.6		9.92		mg/Kg			10/16/25 14:42	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63892-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-5 (1.5')

Lab Sample ID: 880-63892-5

Date Collected: 10/15/25 00:00

Matrix: Solid

Date Received: 10/15/25 15:50

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		10/16/25 08:45	10/17/25 00:33	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/16/25 08:45	10/17/25 00:33	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/16/25 08:45	10/17/25 00:33	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		10/16/25 08:45	10/17/25 00:33	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/16/25 08:45	10/17/25 00:33	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/16/25 08:45	10/17/25 00:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	10/16/25 08:45	10/17/25 00:33	1
1,4-Difluorobenzene (Surr)	100		70 - 130	10/16/25 08:45	10/17/25 00:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/17/25 00:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/16/25 14:29	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		10/14/25 16:36	10/16/25 14:29	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/14/25 16:36	10/16/25 14:29	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/14/25 16:36	10/16/25 14:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	101		70 - 130	10/14/25 16:36	10/16/25 14:29	1
o-Terphenyl (Surr)	105		70 - 130	10/14/25 16:36	10/16/25 14:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	102		9.90		mg/Kg			10/16/25 14:48	1

Client Sample ID: CS-6 (1.5')

Lab Sample ID: 880-63892-6

Date Collected: 10/15/25 00:00

Matrix: Solid

Date Received: 10/15/25 15:50

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		10/16/25 08:45	10/17/25 00:54	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/16/25 08:45	10/17/25 00:54	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/16/25 08:45	10/17/25 00:54	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		10/16/25 08:45	10/17/25 00:54	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/16/25 08:45	10/17/25 00:54	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/16/25 08:45	10/17/25 00:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	10/16/25 08:45	10/17/25 00:54	1
1,4-Difluorobenzene (Surr)	95		70 - 130	10/16/25 08:45	10/17/25 00:54	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63892-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-6 (1.5')

Lab Sample ID: 880-63892-6

Date Collected: 10/15/25 00:00

Matrix: Solid

Date Received: 10/15/25 15:50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/17/25 00:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/16/25 14:43	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		10/14/25 16:36	10/16/25 14:43	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/14/25 16:36	10/16/25 14:43	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/14/25 16:36	10/16/25 14:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	96		70 - 130				10/14/25 16:36	10/16/25 14:43	1
o-Terphenyl (Surr)	102		70 - 130				10/14/25 16:36	10/16/25 14:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	79.4		9.94		mg/Kg			10/16/25 15:06	1

Client Sample ID: CS-7 (1.5')

Lab Sample ID: 880-63892-7

Date Collected: 10/15/25 00:00

Matrix: Solid

Date Received: 10/15/25 15:50

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		10/16/25 08:45	10/17/25 01:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/16/25 08:45	10/17/25 01:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/16/25 08:45	10/17/25 01:14	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		10/16/25 08:45	10/17/25 01:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/16/25 08:45	10/17/25 01:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/16/25 08:45	10/17/25 01:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				10/16/25 08:45	10/17/25 01:14	1
1,4-Difluorobenzene (Surr)	98		70 - 130				10/16/25 08:45	10/17/25 01:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/17/25 01:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/16/25 14:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/14/25 16:36	10/16/25 14:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/14/25 16:36	10/16/25 14:58	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63892-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-7 (1.5')

Date Collected: 10/15/25 00:00

Date Received: 10/15/25 15:50

Lab Sample ID: 880-63892-7

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/14/25 16:36	10/16/25 14:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	110		70 - 130				10/14/25 16:36	10/16/25 14:58	1
o-Terphenyl (Surr)	119		70 - 130				10/14/25 16:36	10/16/25 14:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	101		9.92		mg/Kg			10/16/25 15:12	1

Client Sample ID: CS-8 (1.5')

Date Collected: 10/15/25 00:00

Date Received: 10/15/25 15:50

Lab Sample ID: 880-63892-8

Matrix: Solid

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		10/16/25 08:45	10/17/25 01:35	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/16/25 08:45	10/17/25 01:35	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/16/25 08:45	10/17/25 01:35	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		10/16/25 08:45	10/17/25 01:35	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/16/25 08:45	10/17/25 01:35	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/16/25 08:45	10/17/25 01:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				10/16/25 08:45	10/17/25 01:35	1
1,4-Difluorobenzene (Surr)	99		70 - 130				10/16/25 08:45	10/17/25 01:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/17/25 01:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/16/25 15:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/14/25 16:36	10/16/25 15:13	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/14/25 16:36	10/16/25 15:13	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/14/25 16:36	10/16/25 15:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	113		70 - 130				10/14/25 16:36	10/16/25 15:13	1
o-Terphenyl (Surr)	122		70 - 130				10/14/25 16:36	10/16/25 15:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	93.4		10.0		mg/Kg			10/16/25 15:18	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63892-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-9 (1.5')

Lab Sample ID: 880-63892-9

Date Collected: 10/15/25 00:00

Matrix: Solid

Date Received: 10/15/25 15:50

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		10/16/25 08:45	10/17/25 01:55	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/16/25 08:45	10/17/25 01:55	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/16/25 08:45	10/17/25 01:55	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		10/16/25 08:45	10/17/25 01:55	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/16/25 08:45	10/17/25 01:55	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/16/25 08:45	10/17/25 01:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	10/16/25 08:45	10/17/25 01:55	1
1,4-Difluorobenzene (Surr)	98		70 - 130	10/16/25 08:45	10/17/25 01:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/17/25 01:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/16/25 15:29	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		10/14/25 16:36	10/16/25 15:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/14/25 16:36	10/16/25 15:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/14/25 16:36	10/16/25 15:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	97		70 - 130	10/14/25 16:36	10/16/25 15:29	1
o-Terphenyl (Surr)	102		70 - 130	10/14/25 16:36	10/16/25 15:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	104		10.1		mg/Kg			10/16/25 15:23	1

Client Sample ID: CS-10 (1.5')

Lab Sample ID: 880-63892-10

Date Collected: 10/15/25 00:00

Matrix: Solid

Date Received: 10/15/25 15:50

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		10/16/25 08:45	10/17/25 02:16	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/16/25 08:45	10/17/25 02:16	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/16/25 08:45	10/17/25 02:16	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		10/16/25 08:45	10/17/25 02:16	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/16/25 08:45	10/17/25 02:16	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/16/25 08:45	10/17/25 02:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	10/16/25 08:45	10/17/25 02:16	1
1,4-Difluorobenzene (Surr)	97		70 - 130	10/16/25 08:45	10/17/25 02:16	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63892-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-10 (1.5')

Lab Sample ID: 880-63892-10

Date Collected: 10/15/25 00:00

Matrix: Solid

Date Received: 10/15/25 15:50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			10/17/25 02:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/16/25 15:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/14/25 16:36	10/16/25 15:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/14/25 16:36	10/16/25 15:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/14/25 16:36	10/16/25 15:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	97		70 - 130				10/14/25 16:36	10/16/25 15:44	1
o-Terphenyl (Surr)	100		70 - 130				10/14/25 16:36	10/16/25 15:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	110		9.94		mg/Kg			10/16/25 15:29	1

Client Sample ID: CS-11 (1.5')

Lab Sample ID: 880-63892-11

Date Collected: 10/15/25 00:00

Matrix: Solid

Date Received: 10/15/25 15:50

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		10/16/25 08:45	10/17/25 03:49	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/16/25 08:45	10/17/25 03:49	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/16/25 08:45	10/17/25 03:49	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		10/16/25 08:45	10/17/25 03:49	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/16/25 08:45	10/17/25 03:49	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/16/25 08:45	10/17/25 03:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				10/16/25 08:45	10/17/25 03:49	1
1,4-Difluorobenzene (Surr)	99		70 - 130				10/16/25 08:45	10/17/25 03:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/17/25 03:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/16/25 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/14/25 16:36	10/16/25 15:59	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/14/25 16:36	10/16/25 15:59	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63892-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-11 (1.5')

Date Collected: 10/15/25 00:00

Date Received: 10/15/25 15:50

Lab Sample ID: 880-63892-11

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/14/25 16:36	10/16/25 15:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	99		70 - 130				10/14/25 16:36	10/16/25 15:59	1
o-Terphenyl (Surr)	104		70 - 130				10/14/25 16:36	10/16/25 15:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	103	F1	9.98		mg/Kg			10/16/25 15:35	1

Client Sample ID: CS-12 (1.5')

Date Collected: 10/15/25 00:00

Date Received: 10/15/25 15:50

Lab Sample ID: 880-63892-12

Matrix: Solid

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		10/16/25 08:45	10/17/25 04:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/16/25 08:45	10/17/25 04:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/16/25 08:45	10/17/25 04:09	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		10/16/25 08:45	10/17/25 04:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/16/25 08:45	10/17/25 04:09	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/16/25 08:45	10/17/25 04:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				10/16/25 08:45	10/17/25 04:09	1
1,4-Difluorobenzene (Surr)	96		70 - 130				10/16/25 08:45	10/17/25 04:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/17/25 04:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/16/25 16:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/14/25 16:36	10/16/25 16:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/14/25 16:36	10/16/25 16:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/14/25 16:36	10/16/25 16:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	102		70 - 130				10/14/25 16:36	10/16/25 16:13	1
o-Terphenyl (Surr)	103		70 - 130				10/14/25 16:36	10/16/25 16:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	111		9.92		mg/Kg			10/16/25 15:53	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63892-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-13 (2')

Lab Sample ID: 880-63892-13

Date Collected: 10/15/25 00:00

Matrix: Solid

Date Received: 10/15/25 15:50

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		10/16/25 08:45	10/17/25 04:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/16/25 08:45	10/17/25 04:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/16/25 08:45	10/17/25 04:30	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		10/16/25 08:45	10/17/25 04:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/16/25 08:45	10/17/25 04:30	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/16/25 08:45	10/17/25 04:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	10/16/25 08:45	10/17/25 04:30	1
1,4-Difluorobenzene (Surr)	100		70 - 130	10/16/25 08:45	10/17/25 04:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/17/25 04:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/17/25 03:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/16/25 07:41	10/17/25 03:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/16/25 07:41	10/17/25 03:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/16/25 07:41	10/17/25 03:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	87		70 - 130	10/16/25 07:41	10/17/25 03:44	1
o-Terphenyl (Surr)	91		70 - 130	10/16/25 07:41	10/17/25 03:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	103		9.90		mg/Kg			10/16/25 15:59	1

Client Sample ID: CS-14 (2')

Lab Sample ID: 880-63892-14

Date Collected: 10/15/25 00:00

Matrix: Solid

Date Received: 10/15/25 15:50

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		10/16/25 08:45	10/17/25 04:50	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/16/25 08:45	10/17/25 04:50	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/16/25 08:45	10/17/25 04:50	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		10/16/25 08:45	10/17/25 04:50	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/16/25 08:45	10/17/25 04:50	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/16/25 08:45	10/17/25 04:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	10/16/25 08:45	10/17/25 04:50	1
1,4-Difluorobenzene (Surr)	97		70 - 130	10/16/25 08:45	10/17/25 04:50	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63892-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-14 (2')

Lab Sample ID: 880-63892-14

Date Collected: 10/15/25 00:00

Matrix: Solid

Date Received: 10/15/25 15:50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/17/25 04:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/17/25 04:29	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		10/16/25 07:41	10/17/25 04:29	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/16/25 07:41	10/17/25 04:29	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/16/25 07:41	10/17/25 04:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	88		70 - 130				10/16/25 07:41	10/17/25 04:29	1
o-Terphenyl (Surr)	93		70 - 130				10/16/25 07:41	10/17/25 04:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	117		9.96		mg/Kg			10/16/25 16:16	1

Client Sample ID: CS-15 (2')

Lab Sample ID: 880-63892-15

Date Collected: 10/15/25 00:00

Matrix: Solid

Date Received: 10/15/25 15:50

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		10/16/25 08:45	10/17/25 05:11	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/16/25 08:45	10/17/25 05:11	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/16/25 08:45	10/17/25 05:11	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		10/16/25 08:45	10/17/25 05:11	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/16/25 08:45	10/17/25 05:11	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/16/25 08:45	10/17/25 05:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				10/16/25 08:45	10/17/25 05:11	1
1,4-Difluorobenzene (Surr)	102		70 - 130				10/16/25 08:45	10/17/25 05:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/17/25 05:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/17/25 04:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/16/25 07:41	10/17/25 04:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/16/25 07:41	10/17/25 04:44	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63892-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-15 (2')

Date Collected: 10/15/25 00:00

Date Received: 10/15/25 15:50

Lab Sample ID: 880-63892-15

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/16/25 07:41	10/17/25 04:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	88		70 - 130				10/16/25 07:41	10/17/25 04:44	1
o-Terphenyl (Surr)	93		70 - 130				10/16/25 07:41	10/17/25 04:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	76.4		10.1		mg/Kg			10/16/25 16:22	1

Client Sample ID: CS-16 (2')

Date Collected: 10/15/25 00:00

Date Received: 10/15/25 15:50

Lab Sample ID: 880-63892-16

Matrix: Solid

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		10/16/25 08:45	10/17/25 05:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/16/25 08:45	10/17/25 05:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/16/25 08:45	10/17/25 05:31	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		10/16/25 08:45	10/17/25 05:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/16/25 08:45	10/17/25 05:31	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/16/25 08:45	10/17/25 05:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				10/16/25 08:45	10/17/25 05:31	1
1,4-Difluorobenzene (Surr)	98		70 - 130				10/16/25 08:45	10/17/25 05:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/17/25 05:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/17/25 04:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/16/25 07:41	10/17/25 04:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/16/25 07:41	10/17/25 04:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/16/25 07:41	10/17/25 04:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	86		70 - 130				10/16/25 07:41	10/17/25 04:59	1
o-Terphenyl (Surr)	90		70 - 130				10/16/25 07:41	10/17/25 04:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	70.6		10.1		mg/Kg			10/16/25 16:28	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63892-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-1 (1.5')

Lab Sample ID: 880-63892-17

Date Collected: 10/15/25 00:00

Matrix: Solid

Date Received: 10/15/25 15:50

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		10/16/25 08:45	10/17/25 05:52	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/16/25 08:45	10/17/25 05:52	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/16/25 08:45	10/17/25 05:52	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		10/16/25 08:45	10/17/25 05:52	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/16/25 08:45	10/17/25 05:52	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/16/25 08:45	10/17/25 05:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	10/16/25 08:45	10/17/25 05:52	1
1,4-Difluorobenzene (Surr)	98		70 - 130	10/16/25 08:45	10/17/25 05:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/17/25 05:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/17/25 05:14	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		10/16/25 07:41	10/17/25 05:14	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/16/25 07:41	10/17/25 05:14	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/16/25 07:41	10/17/25 05:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	80		70 - 130	10/16/25 07:41	10/17/25 05:14	1
o-Terphenyl (Surr)	85		70 - 130	10/16/25 07:41	10/17/25 05:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	103		10.0		mg/Kg			10/16/25 16:34	1

Client Sample ID: SW-2 (1.5')

Lab Sample ID: 880-63892-18

Date Collected: 10/15/25 00:00

Matrix: Solid

Date Received: 10/15/25 15:50

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		10/16/25 08:45	10/17/25 06:12	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/16/25 08:45	10/17/25 06:12	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/16/25 08:45	10/17/25 06:12	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		10/16/25 08:45	10/17/25 06:12	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/16/25 08:45	10/17/25 06:12	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/16/25 08:45	10/17/25 06:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	10/16/25 08:45	10/17/25 06:12	1
1,4-Difluorobenzene (Surr)	97		70 - 130	10/16/25 08:45	10/17/25 06:12	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63892-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-2 (1.5')

Lab Sample ID: 880-63892-18

Date Collected: 10/15/25 00:00

Matrix: Solid

Date Received: 10/15/25 15:50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/17/25 06:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/17/25 05:29	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		10/16/25 07:41	10/17/25 05:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/16/25 07:41	10/17/25 05:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/16/25 07:41	10/17/25 05:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	116		70 - 130				10/16/25 07:41	10/17/25 05:29	1
o-Terphenyl (Surr)	125		70 - 130				10/16/25 07:41	10/17/25 05:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	72.7		10.1		mg/Kg			10/16/25 16:40	1

Client Sample ID: SW-3 (1.5')

Lab Sample ID: 880-63892-19

Date Collected: 10/15/25 00:00

Matrix: Solid

Date Received: 10/15/25 15:50

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		10/16/25 08:45	10/17/25 06:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/16/25 08:45	10/17/25 06:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/16/25 08:45	10/17/25 06:32	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		10/16/25 08:45	10/17/25 06:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/16/25 08:45	10/17/25 06:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/16/25 08:45	10/17/25 06:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				10/16/25 08:45	10/17/25 06:32	1
1,4-Difluorobenzene (Surr)	101		70 - 130				10/16/25 08:45	10/17/25 06:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/17/25 06:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/17/25 05:45	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		10/16/25 07:41	10/17/25 05:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/16/25 07:41	10/17/25 05:45	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63892-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-3 (1.5')

Lab Sample ID: 880-63892-19

Date Collected: 10/15/25 00:00

Matrix: Solid

Date Received: 10/15/25 15:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/16/25 07:41	10/17/25 05:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	118		70 - 130	10/16/25 07:41	10/17/25 05:45	1
o-Terphenyl (Surr)	126		70 - 130	10/16/25 07:41	10/17/25 05:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	144		10.1		mg/Kg			10/16/25 16:46	1

Client Sample ID: SW-4 (1.5')

Lab Sample ID: 880-63892-20

Date Collected: 10/15/25 00:00

Matrix: Solid

Date Received: 10/15/25 15:50

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		10/16/25 08:45	10/17/25 06:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/16/25 08:45	10/17/25 06:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/16/25 08:45	10/17/25 06:53	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		10/16/25 08:45	10/17/25 06:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/16/25 08:45	10/17/25 06:53	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/16/25 08:45	10/17/25 06:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	10/16/25 08:45	10/17/25 06:53	1
1,4-Difluorobenzene (Surr)	102		70 - 130	10/16/25 08:45	10/17/25 06:53	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/17/25 06:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/17/25 05:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/16/25 07:41	10/17/25 05:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/16/25 07:41	10/17/25 05:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/16/25 07:41	10/17/25 05:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	88		70 - 130	10/16/25 07:41	10/17/25 05:59	1
o-Terphenyl (Surr)	93		70 - 130	10/16/25 07:41	10/17/25 05:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	80.7		9.94		mg/Kg			10/16/25 16:52	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63892-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-5 (2')

Lab Sample ID: 880-63892-21

Date Collected: 10/15/25 00:00

Matrix: Solid

Date Received: 10/15/25 15:50

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		10/16/25 08:35	10/16/25 12:06	1
Toluene	<0.00200	U F1	0.00200		mg/Kg		10/16/25 08:35	10/16/25 12:06	1
Ethylbenzene	<0.00200	U F1	0.00200		mg/Kg		10/16/25 08:35	10/16/25 12:06	1
m,p-Xylenes	<0.00399	U F1	0.00399		mg/Kg		10/16/25 08:35	10/16/25 12:06	1
o-Xylene	<0.00200	U F1	0.00200		mg/Kg		10/16/25 08:35	10/16/25 12:06	1
Xylenes, Total	<0.00399	U F1	0.00399		mg/Kg		10/16/25 08:35	10/16/25 12:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	10/16/25 08:35	10/16/25 12:06	1
1,4-Difluorobenzene (Surr)	105		70 - 130	10/16/25 08:35	10/16/25 12:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/16/25 12:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/17/25 06:15	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		10/16/25 07:41	10/17/25 06:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/16/25 07:41	10/17/25 06:15	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/16/25 07:41	10/17/25 06:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	80		70 - 130	10/16/25 07:41	10/17/25 06:15	1
o-Terphenyl (Surr)	84		70 - 130	10/16/25 07:41	10/17/25 06:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	111		9.94		mg/Kg			10/16/25 10:29	1

Client Sample ID: SW-6 (2')

Lab Sample ID: 880-63892-22

Date Collected: 10/15/25 00:00

Matrix: Solid

Date Received: 10/15/25 15:50

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		10/16/25 08:35	10/16/25 12:27	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/16/25 08:35	10/16/25 12:27	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/16/25 08:35	10/16/25 12:27	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		10/16/25 08:35	10/16/25 12:27	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/16/25 08:35	10/16/25 12:27	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/16/25 08:35	10/16/25 12:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	10/16/25 08:35	10/16/25 12:27	1
1,4-Difluorobenzene (Surr)	105		70 - 130	10/16/25 08:35	10/16/25 12:27	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63892-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-6 (2')

Lab Sample ID: 880-63892-22

Date Collected: 10/15/25 00:00

Matrix: Solid

Date Received: 10/15/25 15:50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/16/25 12:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/17/25 06:30	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		10/16/25 07:41	10/17/25 06:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/16/25 07:41	10/17/25 06:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/16/25 07:41	10/17/25 06:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	76		70 - 130				10/16/25 07:41	10/17/25 06:30	1
o-Terphenyl (Surr)	82		70 - 130				10/16/25 07:41	10/17/25 06:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	93.9		9.98		mg/Kg			10/16/25 10:34	1

Client Sample ID: SW-7 (2')

Lab Sample ID: 880-63892-23

Date Collected: 10/15/25 00:00

Matrix: Solid

Date Received: 10/15/25 15:50

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		10/16/25 08:35	10/16/25 12:47	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/16/25 08:35	10/16/25 12:47	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/16/25 08:35	10/16/25 12:47	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		10/16/25 08:35	10/16/25 12:47	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/16/25 08:35	10/16/25 12:47	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/16/25 08:35	10/16/25 12:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				10/16/25 08:35	10/16/25 12:47	1
1,4-Difluorobenzene (Surr)	107		70 - 130				10/16/25 08:35	10/16/25 12:47	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/16/25 12:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/17/25 07:00	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	<50.0	U	50.0		mg/Kg		10/16/25 07:41	10/17/25 07:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/16/25 07:41	10/17/25 07:00	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63892-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-7 (2')

Lab Sample ID: 880-63892-23

Date Collected: 10/15/25 00:00

Matrix: Solid

Date Received: 10/15/25 15:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/16/25 07:41	10/17/25 07:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	83		70 - 130				10/16/25 07:41	10/17/25 07:00	1
o-Terphenyl (Surr)	88		70 - 130				10/16/25 07:41	10/17/25 07:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	89.7		9.92		mg/Kg			10/16/25 10:39	1

Client Sample ID: SW-8 (2')

Lab Sample ID: 880-63892-24

Date Collected: 10/15/25 00:00

Matrix: Solid

Date Received: 10/15/25 15:50

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		10/16/25 08:35	10/16/25 13:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/16/25 08:35	10/16/25 13:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/16/25 08:35	10/16/25 13:07	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		10/16/25 08:35	10/16/25 13:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/16/25 08:35	10/16/25 13:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/16/25 08:35	10/16/25 13:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				10/16/25 08:35	10/16/25 13:07	1
1,4-Difluorobenzene (Surr)	107		70 - 130				10/16/25 08:35	10/16/25 13:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/16/25 13:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/17/25 07:14	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		10/16/25 07:41	10/17/25 07:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/16/25 07:41	10/17/25 07:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/16/25 07:41	10/17/25 07:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	87		70 - 130				10/16/25 07:41	10/17/25 07:14	1
o-Terphenyl (Surr)	92		70 - 130				10/16/25 07:41	10/17/25 07:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	109		9.90		mg/Kg			10/16/25 10:55	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63892-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-9 (2')

Lab Sample ID: 880-63892-25

Date Collected: 10/15/25 00:00

Matrix: Solid

Date Received: 10/15/25 15:50

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		10/16/25 08:35	10/16/25 13:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/16/25 08:35	10/16/25 13:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/16/25 08:35	10/16/25 13:33	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		10/16/25 08:35	10/16/25 13:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/16/25 08:35	10/16/25 13:33	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/16/25 08:35	10/16/25 13:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	10/16/25 08:35	10/16/25 13:33	1
1,4-Difluorobenzene (Surr)	103		70 - 130	10/16/25 08:35	10/16/25 13:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/16/25 13:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/17/25 07:30	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		10/16/25 07:41	10/17/25 07:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/16/25 07:41	10/17/25 07:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/16/25 07:41	10/17/25 07:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	88		70 - 130	10/16/25 07:41	10/17/25 07:30	1
o-Terphenyl (Surr)	92		70 - 130	10/16/25 07:41	10/17/25 07:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	67.1		10.1		mg/Kg			10/16/25 11:00	1

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63892-1
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	DFBZ1
		(70-130)	(70-130)
880-63892-1	CS-1 (1.5')	103	100
880-63892-1 MS	CS-1 (1.5')	101	106
880-63892-1 MSD	CS-1 (1.5')	104	102
880-63892-2	CS-2 (1.5')	108	100
880-63892-3	CS-3 (1.5')	102	95
880-63892-4	CS-4 (1.5')	106	101
880-63892-5	CS-5 (1.5')	106	100
880-63892-6	CS-6 (1.5')	106	95
880-63892-7	CS-7 (1.5')	105	98
880-63892-8	CS-8 (1.5')	101	99
880-63892-9	CS-9 (1.5')	104	98
880-63892-10	CS-10 (1.5')	101	97
880-63892-11	CS-11 (1.5')	103	99
880-63892-12	CS-12 (1.5')	106	96
880-63892-13	CS-13 (2')	109	100
880-63892-14	CS-14 (2')	105	97
880-63892-15	CS-15 (2')	108	102
880-63892-16	CS-16 (2')	105	98
880-63892-17	SW-1 (1.5')	106	98
880-63892-18	SW-2 (1.5')	102	97
880-63892-19	SW-3 (1.5')	104	101
880-63892-20	SW-4 (1.5')	108	102
880-63892-21	SW-5 (2')	113	105
880-63892-21 MS	SW-5 (2')	105	102
880-63892-21 MSD	SW-5 (2')	84	115
880-63892-22	SW-6 (2')	106	105
880-63892-23	SW-7 (2')	108	107
880-63892-24	SW-8 (2')	111	107
880-63892-25	SW-9 (2')	98	103
LCS 880-121330/1-A	Lab Control Sample	107	107
LCS 880-121335/1-A	Lab Control Sample	98	102
LCSD 880-121330/2-A	Lab Control Sample Dup	107	105
LCSD 880-121335/2-A	Lab Control Sample Dup	101	102
MB 880-121294/5-A	Method Blank	110	96
MB 880-121330/5-A	Method Blank	102	97
MB 880-121335/5-A	Method Blank	104	95

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1	OTPH1
		(70-130)	(70-130)
880-63838-A-41-B MS	Matrix Spike	94	91
880-63838-A-41-C MSD	Matrix Spike Duplicate	78	87
880-63892-1	CS-1 (1.5')	109	112

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-63892-1

Project/Site: Cotton Draw Unit 25 Well Pad 4

SDG: Eddy County, New Mexico

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)
Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1	OTPH1
		(70-130)	(70-130)
880-63892-2	CS-2 (1.5')	99	104
880-63892-3	CS-3 (1.5')	94	98
880-63892-4	CS-4 (1.5')	121	127
880-63892-5	CS-5 (1.5')	101	105
880-63892-6	CS-6 (1.5')	96	102
880-63892-7	CS-7 (1.5')	110	119
880-63892-8	CS-8 (1.5')	113	122
880-63892-9	CS-9 (1.5')	97	102
880-63892-10	CS-10 (1.5')	97	100
880-63892-11	CS-11 (1.5')	99	104
880-63892-12	CS-12 (1.5')	102	103
880-63892-13	CS-13 (2')	87	91
880-63892-13 MS	CS-13 (2')	82	93
880-63892-13 MSD	CS-13 (2')	96	92
880-63892-14	CS-14 (2')	88	93
880-63892-15	CS-15 (2')	88	93
880-63892-16	CS-16 (2')	86	90
880-63892-17	SW-1 (1.5')	80	85
880-63892-18	SW-2 (1.5')	116	125
880-63892-19	SW-3 (1.5')	118	126
880-63892-20	SW-4 (1.5')	88	93
880-63892-21	SW-5 (2')	80	84
880-63892-22	SW-6 (2')	76	82
880-63892-23	SW-7 (2')	83	88
880-63892-24	SW-8 (2')	87	92
880-63892-25	SW-9 (2')	88	92
LCS 880-121197/2-A	Lab Control Sample	133 S1+	123
LCS 880-121322/2-A	Lab Control Sample	82	98
LCSD 880-121197/3-A	Lab Control Sample Dup	95	107
LCSD 880-121322/3-A	Lab Control Sample Dup	90	88
MB 880-121197/1-A	Method Blank	69 S1-	77
MB 880-121322/1-A	Method Blank	79	84

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

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QC Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63892-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-121294/5-A

Matrix: Solid

Analysis Batch: 121338

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 121294

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/15/25 16:54	10/16/25 11:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/15/25 16:54	10/16/25 11:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/15/25 16:54	10/16/25 11:54	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		10/15/25 16:54	10/16/25 11:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/15/25 16:54	10/16/25 11:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/15/25 16:54	10/16/25 11:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	10/15/25 16:54	10/16/25 11:54	1
1,4-Difluorobenzene (Surr)	96		70 - 130	10/15/25 16:54	10/16/25 11:54	1

Lab Sample ID: MB 880-121330/5-A

Matrix: Solid

Analysis Batch: 121336

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 121330

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/16/25 08:35	10/16/25 11:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/16/25 08:35	10/16/25 11:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/16/25 08:35	10/16/25 11:44	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		10/16/25 08:35	10/16/25 11:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/16/25 08:35	10/16/25 11:44	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/16/25 08:35	10/16/25 11:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	10/16/25 08:35	10/16/25 11:44	1
1,4-Difluorobenzene (Surr)	97		70 - 130	10/16/25 08:35	10/16/25 11:44	1

Lab Sample ID: LCS 880-121330/1-A

Matrix: Solid

Analysis Batch: 121336

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 121330

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1273		mg/Kg		127	70 - 130
Toluene	0.100	0.1008		mg/Kg		101	70 - 130
Ethylbenzene	0.100	0.1033		mg/Kg		103	70 - 130
m,p-Xylenes	0.200	0.2142		mg/Kg		107	70 - 130
o-Xylene	0.100	0.1068		mg/Kg		107	70 - 130

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

Lab Sample ID: LCSD 880-121330/2-A

Matrix: Solid

Analysis Batch: 121336

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 121330

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1298		mg/Kg		130	70 - 130	2	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63892-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-121330/2-A

Matrix: Solid

Analysis Batch: 121336

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 121330

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.1026		mg/Kg		103	70 - 130	2	35
Ethylbenzene	0.100	0.1057		mg/Kg		106	70 - 130	2	35
m,p-Xylenes	0.200	0.2186		mg/Kg		109	70 - 130	2	35
o-Xylene	0.100	0.1083		mg/Kg		108	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 880-63892-21 MS

Matrix: Solid

Analysis Batch: 121336

Client Sample ID: SW-5 (2')

Prep Type: Total/NA

Prep Batch: 121330

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.07454		mg/Kg		75	70 - 130
Toluene	<0.00200	U F1	0.100	0.06285	F1	mg/Kg		63	70 - 130
Ethylbenzene	<0.00200	U F1	0.100	0.06462	F1	mg/Kg		65	70 - 130
m,p-Xylenes	<0.00399	U F1	0.200	0.1322	F1	mg/Kg		66	70 - 130
o-Xylene	<0.00200	U F1	0.100	0.06560	F1	mg/Kg		66	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-63892-21 MSD

Matrix: Solid

Analysis Batch: 121336

Client Sample ID: SW-5 (2')

Prep Type: Total/NA

Prep Batch: 121330

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.1016		mg/Kg		102	70 - 130	31	35
Toluene	<0.00200	U F1	0.100	0.08126		mg/Kg		81	70 - 130	26	35
Ethylbenzene	<0.00200	U F1	0.100	0.08197		mg/Kg		82	70 - 130	24	35
m,p-Xylenes	<0.00399	U F1	0.200	0.1581		mg/Kg		79	70 - 130	18	35
o-Xylene	<0.00200	U F1	0.100	0.07700		mg/Kg		77	70 - 130	16	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	84		70 - 130
1,4-Difluorobenzene (Surr)	115		70 - 130

Lab Sample ID: MB 880-121335/5-A

Matrix: Solid

Analysis Batch: 121338

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 121335

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/16/25 08:45	10/16/25 22:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/16/25 08:45	10/16/25 22:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/16/25 08:45	10/16/25 22:50	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		10/16/25 08:45	10/16/25 22:50	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63892-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-121335/5-A

Matrix: Solid

Analysis Batch: 121338

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 121335

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/16/25 08:45	10/16/25 22:50	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/16/25 08:45	10/16/25 22:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	10/16/25 08:45	10/16/25 22:50	1
1,4-Difluorobenzene (Surr)	95		70 - 130	10/16/25 08:45	10/16/25 22:50	1

Lab Sample ID: LCS 880-121335/1-A

Matrix: Solid

Analysis Batch: 121338

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 121335

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1080		mg/Kg		108	70 - 130
Toluene	0.100	0.09425		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.09594		mg/Kg		96	70 - 130
m,p-Xylenes	0.200	0.1956		mg/Kg		98	70 - 130
o-Xylene	0.100	0.09553		mg/Kg		96	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 880-121335/2-A

Matrix: Solid

Analysis Batch: 121338

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 121335

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1043		mg/Kg		104	70 - 130	3	35
Toluene	0.100	0.09325		mg/Kg		93	70 - 130	1	35
Ethylbenzene	0.100	0.09363		mg/Kg		94	70 - 130	2	35
m,p-Xylenes	0.200	0.1920		mg/Kg		96	70 - 130	2	35
o-Xylene	0.100	0.09363		mg/Kg		94	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-63892-1 MS

Matrix: Solid

Analysis Batch: 121338

Client Sample ID: CS-1 (1.5')

Prep Type: Total/NA

Prep Batch: 121335

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.1033		mg/Kg		103	70 - 130
Toluene	<0.00201	U	0.100	0.08448		mg/Kg		84	70 - 130
Ethylbenzene	<0.00201	U	0.100	0.08541		mg/Kg		85	70 - 130
m,p-Xylenes	<0.00402	U	0.200	0.1713		mg/Kg		86	70 - 130
o-Xylene	<0.00201	U	0.100	0.08349		mg/Kg		83	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63892-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-63892-1 MS

Matrix: Solid

Analysis Batch: 121338

Client Sample ID: CS-1 (1.5')

Prep Type: Total/NA

Prep Batch: 121335

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: 880-63892-1 MSD

Matrix: Solid

Analysis Batch: 121338

Client Sample ID: CS-1 (1.5')

Prep Type: Total/NA

Prep Batch: 121335

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.09702		mg/Kg		97	70 - 130	6	35
Toluene	<0.00201	U	0.100	0.08173		mg/Kg		82	70 - 130	3	35
Ethylbenzene	<0.00201	U	0.100	0.08340		mg/Kg		83	70 - 130	2	35
m,p-Xylenes	<0.00402	U	0.200	0.1665		mg/Kg		83	70 - 130	3	35
o-Xylene	<0.00201	U	0.100	0.07933		mg/Kg		79	70 - 130	5	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

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

Lab Sample ID: MB 880-121197/1-A

Matrix: Solid

Analysis Batch: 121349

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 121197

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		10/14/25 16:36	10/16/25 03:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/14/25 16:36	10/16/25 03:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/14/25 16:36	10/16/25 03:06	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane (Surr)	69	S1-	70 - 130	10/14/25 16:36	10/16/25 03:06	1			
o-Terphenyl (Surr)	77		70 - 130	10/14/25 16:36	10/16/25 03:06	1			

Lab Sample ID: LCS 880-121197/2-A

Matrix: Solid

Analysis Batch: 121349

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 121197

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	981.2		mg/Kg		98	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	904.2		mg/Kg		90	70 - 130		

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	133	S1+	70 - 130
o-Terphenyl (Surr)	123		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63892-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-121197/3-A

Matrix: Solid

Analysis Batch: 121349

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 121197

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	865.1		mg/Kg		87	70 - 130	13	20
Diesel Range Organics (Over C10-C28)	1000	803.7		mg/Kg		80	70 - 130	12	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane (Surr)	95		70 - 130						
o-Terphenyl (Surr)	107		70 - 130						

Lab Sample ID: 880-63838-A-41-B MS

Matrix: Solid

Analysis Batch: 121349

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 121197

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	1000	649.3	F1	mg/Kg		65	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U F1	1000	572.3	F1	mg/Kg		57	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane (Surr)	94		70 - 130								
o-Terphenyl (Surr)	91		70 - 130								

Lab Sample ID: 880-63838-A-41-C MSD

Matrix: Solid

Analysis Batch: 121349

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 121197

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	1000	649.7	F1	mg/Kg		65	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	1000	603.4	F1	mg/Kg		60	70 - 130	5	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	78		70 - 130								
o-Terphenyl (Surr)	87		70 - 130								

Lab Sample ID: MB 880-121322/1-A

Matrix: Solid

Analysis Batch: 121346

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 121322

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		10/16/25 07:41	10/17/25 02:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/16/25 07:41	10/17/25 02:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/16/25 07:41	10/17/25 02:43	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63892-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-121322/1-A

Matrix: Solid

Analysis Batch: 121346

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 121322

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac				
1-Chlorooctane (Surr)	79		70 - 130	10/16/25 07:41	10/17/25 02:43	1				
o-Terphenyl (Surr)	84		70 - 130	10/16/25 07:41	10/17/25 02:43	1				

Lab Sample ID: LCS 880-121322/2-A

Matrix: Solid

Analysis Batch: 121346

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 121322

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	903.2		mg/Kg		90	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	967.4		mg/Kg		97	70 - 130		

	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane (Surr)	82		70 - 130								
o-Terphenyl (Surr)	98		70 - 130								

Lab Sample ID: LCSD 880-121322/3-A

Matrix: Solid

Analysis Batch: 121346

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 121322

			Spike	LCSD	LCSD				%Rec	RPD	RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10			1000	813.8		mg/Kg		81	70 - 130	10	20
Diesel Range Organics (Over C10-C28)			1000	799.5		mg/Kg		80	70 - 130	19	20

	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane (Surr)	90		70 - 130								
o-Terphenyl (Surr)	88		70 - 130								

Lab Sample ID: 880-63892-13 MS

Matrix: Solid

Analysis Batch: 121346

Client Sample ID: CS-13 (2')

Prep Type: Total/NA

Prep Batch: 121322

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	795.3		mg/Kg		77	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	999	837.5		mg/Kg		84	70 - 130		

	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane (Surr)	82		70 - 130								
o-Terphenyl (Surr)	93		70 - 130								

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QC Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63892-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-63892-13 MSD

Matrix: Solid

Analysis Batch: 121346

Client Sample ID: CS-13 (2')

Prep Type: Total/NA

Prep Batch: 121322

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	798.1		mg/Kg		78	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	787.3		mg/Kg		79	70 - 130	6	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	96		70 - 130								
o-Terphenyl (Surr)	92		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-121323/1-A

Matrix: Solid

Analysis Batch: 121344

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			10/16/25 09:52	1

Lab Sample ID: LCS 880-121323/2-A

Matrix: Solid

Analysis Batch: 121344

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	242.6		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-121323/3-A

Matrix: Solid

Analysis Batch: 121344

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	243.8		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-63888-A-1-C MS

Matrix: Solid

Analysis Batch: 121344

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1120		253	1330	4	mg/Kg		84	90 - 110

Lab Sample ID: 880-63888-A-1-D MSD

Matrix: Solid

Analysis Batch: 121344

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1120		253	1332	4	mg/Kg		85	90 - 110	0	20

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63892-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-121327/1-A

Matrix: Solid

Analysis Batch: 121367

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			10/16/25 13:55	1

Lab Sample ID: LCS 880-121327/2-A

Matrix: Solid

Analysis Batch: 121367

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	260.3		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-121327/3-A

Matrix: Solid

Analysis Batch: 121367

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	260.5		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 880-63892-1 MS

Matrix: Solid

Analysis Batch: 121367

Client Sample ID: CS-1 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	74.0	F1	252	369.7	F1	mg/Kg		117	90 - 110

Lab Sample ID: 880-63892-1 MSD

Matrix: Solid

Analysis Batch: 121367

Client Sample ID: CS-1 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	74.0	F1	252	369.2	F1	mg/Kg		117	90 - 110	0	20

Lab Sample ID: 880-63892-11 MS

Matrix: Solid

Analysis Batch: 121367

Client Sample ID: CS-11 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	103	F1	250	371.8		mg/Kg		108	90 - 110

Lab Sample ID: 880-63892-11 MSD

Matrix: Solid

Analysis Batch: 121367

Client Sample ID: CS-11 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	103	F1	250	382.6	F1	mg/Kg		112	90 - 110	3	20

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63892-1
SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 121294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-121294/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 121330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63892-21	SW-5 (2')	Total/NA	Solid	5035	
880-63892-22	SW-6 (2')	Total/NA	Solid	5035	
880-63892-23	SW-7 (2')	Total/NA	Solid	5035	
880-63892-24	SW-8 (2')	Total/NA	Solid	5035	
880-63892-25	SW-9 (2')	Total/NA	Solid	5035	
MB 880-121330/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-121330/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-121330/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-63892-21 MS	SW-5 (2')	Total/NA	Solid	5035	
880-63892-21 MSD	SW-5 (2')	Total/NA	Solid	5035	

Prep Batch: 121335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63892-1	CS-1 (1.5')	Total/NA	Solid	5035	
880-63892-2	CS-2 (1.5')	Total/NA	Solid	5035	
880-63892-3	CS-3 (1.5')	Total/NA	Solid	5035	
880-63892-4	CS-4 (1.5')	Total/NA	Solid	5035	
880-63892-5	CS-5 (1.5')	Total/NA	Solid	5035	
880-63892-6	CS-6 (1.5')	Total/NA	Solid	5035	
880-63892-7	CS-7 (1.5')	Total/NA	Solid	5035	
880-63892-8	CS-8 (1.5')	Total/NA	Solid	5035	
880-63892-9	CS-9 (1.5')	Total/NA	Solid	5035	
880-63892-10	CS-10 (1.5')	Total/NA	Solid	5035	
880-63892-11	CS-11 (1.5')	Total/NA	Solid	5035	
880-63892-12	CS-12 (1.5')	Total/NA	Solid	5035	
880-63892-13	CS-13 (2')	Total/NA	Solid	5035	
880-63892-14	CS-14 (2')	Total/NA	Solid	5035	
880-63892-15	CS-15 (2')	Total/NA	Solid	5035	
880-63892-16	CS-16 (2')	Total/NA	Solid	5035	
880-63892-17	SW-1 (1.5')	Total/NA	Solid	5035	
880-63892-18	SW-2 (1.5')	Total/NA	Solid	5035	
880-63892-19	SW-3 (1.5')	Total/NA	Solid	5035	
880-63892-20	SW-4 (1.5')	Total/NA	Solid	5035	
MB 880-121335/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-121335/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-121335/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-63892-1 MS	CS-1 (1.5')	Total/NA	Solid	5035	
880-63892-1 MSD	CS-1 (1.5')	Total/NA	Solid	5035	

Analysis Batch: 121336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63892-21	SW-5 (2')	Total/NA	Solid	8021B	121330
880-63892-22	SW-6 (2')	Total/NA	Solid	8021B	121330
880-63892-23	SW-7 (2')	Total/NA	Solid	8021B	121330
880-63892-24	SW-8 (2')	Total/NA	Solid	8021B	121330
880-63892-25	SW-9 (2')	Total/NA	Solid	8021B	121330
MB 880-121330/5-A	Method Blank	Total/NA	Solid	8021B	121330

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QC Association Summary

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63892-1
SDG: Eddy County, New Mexico

GC VOA (Continued)

Analysis Batch: 121336 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-121330/1-A	Lab Control Sample	Total/NA	Solid	8021B	121330
LCSD 880-121330/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	121330
880-63892-21 MS	SW-5 (2')	Total/NA	Solid	8021B	121330
880-63892-21 MSD	SW-5 (2')	Total/NA	Solid	8021B	121330

Analysis Batch: 121338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63892-1	CS-1 (1.5')	Total/NA	Solid	8021B	121335
880-63892-2	CS-2 (1.5')	Total/NA	Solid	8021B	121335
880-63892-3	CS-3 (1.5')	Total/NA	Solid	8021B	121335
880-63892-4	CS-4 (1.5')	Total/NA	Solid	8021B	121335
880-63892-5	CS-5 (1.5')	Total/NA	Solid	8021B	121335
880-63892-6	CS-6 (1.5')	Total/NA	Solid	8021B	121335
880-63892-7	CS-7 (1.5')	Total/NA	Solid	8021B	121335
880-63892-8	CS-8 (1.5')	Total/NA	Solid	8021B	121335
880-63892-9	CS-9 (1.5')	Total/NA	Solid	8021B	121335
880-63892-10	CS-10 (1.5')	Total/NA	Solid	8021B	121335
880-63892-11	CS-11 (1.5')	Total/NA	Solid	8021B	121335
880-63892-12	CS-12 (1.5')	Total/NA	Solid	8021B	121335
880-63892-13	CS-13 (2')	Total/NA	Solid	8021B	121335
880-63892-14	CS-14 (2')	Total/NA	Solid	8021B	121335
880-63892-15	CS-15 (2')	Total/NA	Solid	8021B	121335
880-63892-16	CS-16 (2')	Total/NA	Solid	8021B	121335
880-63892-17	SW-1 (1.5')	Total/NA	Solid	8021B	121335
880-63892-18	SW-2 (1.5')	Total/NA	Solid	8021B	121335
880-63892-19	SW-3 (1.5')	Total/NA	Solid	8021B	121335
880-63892-20	SW-4 (1.5')	Total/NA	Solid	8021B	121335
MB 880-121294/5-A	Method Blank	Total/NA	Solid	8021B	121294
MB 880-121335/5-A	Method Blank	Total/NA	Solid	8021B	121335
LCS 880-121335/1-A	Lab Control Sample	Total/NA	Solid	8021B	121335
LCSD 880-121335/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	121335
880-63892-1 MS	CS-1 (1.5')	Total/NA	Solid	8021B	121335
880-63892-1 MSD	CS-1 (1.5')	Total/NA	Solid	8021B	121335

Analysis Batch: 121460

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63892-1	CS-1 (1.5')	Total/NA	Solid	Total BTEX	
880-63892-2	CS-2 (1.5')	Total/NA	Solid	Total BTEX	
880-63892-3	CS-3 (1.5')	Total/NA	Solid	Total BTEX	
880-63892-4	CS-4 (1.5')	Total/NA	Solid	Total BTEX	
880-63892-5	CS-5 (1.5')	Total/NA	Solid	Total BTEX	
880-63892-6	CS-6 (1.5')	Total/NA	Solid	Total BTEX	
880-63892-7	CS-7 (1.5')	Total/NA	Solid	Total BTEX	
880-63892-8	CS-8 (1.5')	Total/NA	Solid	Total BTEX	
880-63892-9	CS-9 (1.5')	Total/NA	Solid	Total BTEX	
880-63892-10	CS-10 (1.5')	Total/NA	Solid	Total BTEX	
880-63892-11	CS-11 (1.5')	Total/NA	Solid	Total BTEX	
880-63892-12	CS-12 (1.5')	Total/NA	Solid	Total BTEX	
880-63892-13	CS-13 (2')	Total/NA	Solid	Total BTEX	
880-63892-14	CS-14 (2')	Total/NA	Solid	Total BTEX	
880-63892-15	CS-15 (2')	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63892-1
SDG: Eddy County, New Mexico

GC VOA (Continued)

Analysis Batch: 121460 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63892-16	CS-16 (2')	Total/NA	Solid	Total BTEX	
880-63892-17	SW-1 (1.5')	Total/NA	Solid	Total BTEX	
880-63892-18	SW-2 (1.5')	Total/NA	Solid	Total BTEX	
880-63892-19	SW-3 (1.5')	Total/NA	Solid	Total BTEX	
880-63892-20	SW-4 (1.5')	Total/NA	Solid	Total BTEX	
880-63892-21	SW-5 (2')	Total/NA	Solid	Total BTEX	
880-63892-22	SW-6 (2')	Total/NA	Solid	Total BTEX	
880-63892-23	SW-7 (2')	Total/NA	Solid	Total BTEX	
880-63892-24	SW-8 (2')	Total/NA	Solid	Total BTEX	
880-63892-25	SW-9 (2')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 121197

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63892-1	CS-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-63892-2	CS-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-63892-3	CS-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-63892-4	CS-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-63892-5	CS-5 (1.5')	Total/NA	Solid	8015NM Prep	
880-63892-6	CS-6 (1.5')	Total/NA	Solid	8015NM Prep	
880-63892-7	CS-7 (1.5')	Total/NA	Solid	8015NM Prep	
880-63892-8	CS-8 (1.5')	Total/NA	Solid	8015NM Prep	
880-63892-9	CS-9 (1.5')	Total/NA	Solid	8015NM Prep	
880-63892-10	CS-10 (1.5')	Total/NA	Solid	8015NM Prep	
880-63892-11	CS-11 (1.5')	Total/NA	Solid	8015NM Prep	
880-63892-12	CS-12 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-121197/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-121197/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-121197/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-63838-A-41-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-63838-A-41-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 121322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63892-13	CS-13 (2')	Total/NA	Solid	8015NM Prep	
880-63892-14	CS-14 (2')	Total/NA	Solid	8015NM Prep	
880-63892-15	CS-15 (2')	Total/NA	Solid	8015NM Prep	
880-63892-16	CS-16 (2')	Total/NA	Solid	8015NM Prep	
880-63892-17	SW-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-63892-18	SW-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-63892-19	SW-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-63892-20	SW-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-63892-21	SW-5 (2')	Total/NA	Solid	8015NM Prep	
880-63892-22	SW-6 (2')	Total/NA	Solid	8015NM Prep	
880-63892-23	SW-7 (2')	Total/NA	Solid	8015NM Prep	
880-63892-24	SW-8 (2')	Total/NA	Solid	8015NM Prep	
880-63892-25	SW-9 (2')	Total/NA	Solid	8015NM Prep	
MB 880-121322/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-121322/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-121322/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63892-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 121322 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63892-13 MS	CS-13 (2')	Total/NA	Solid	8015NM Prep	
880-63892-13 MSD	CS-13 (2')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 121346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63892-13	CS-13 (2')	Total/NA	Solid	8015B NM	121322
880-63892-14	CS-14 (2')	Total/NA	Solid	8015B NM	121322
880-63892-15	CS-15 (2')	Total/NA	Solid	8015B NM	121322
880-63892-16	CS-16 (2')	Total/NA	Solid	8015B NM	121322
880-63892-17	SW-1 (1.5')	Total/NA	Solid	8015B NM	121322
880-63892-18	SW-2 (1.5')	Total/NA	Solid	8015B NM	121322
880-63892-19	SW-3 (1.5')	Total/NA	Solid	8015B NM	121322
880-63892-20	SW-4 (1.5')	Total/NA	Solid	8015B NM	121322
880-63892-21	SW-5 (2')	Total/NA	Solid	8015B NM	121322
880-63892-22	SW-6 (2')	Total/NA	Solid	8015B NM	121322
880-63892-23	SW-7 (2')	Total/NA	Solid	8015B NM	121322
880-63892-24	SW-8 (2')	Total/NA	Solid	8015B NM	121322
880-63892-25	SW-9 (2')	Total/NA	Solid	8015B NM	121322
MB 880-121322/1-A	Method Blank	Total/NA	Solid	8015B NM	121322
LCS 880-121322/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	121322
LCSD 880-121322/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	121322
880-63892-13 MS	CS-13 (2')	Total/NA	Solid	8015B NM	121322
880-63892-13 MSD	CS-13 (2')	Total/NA	Solid	8015B NM	121322

Analysis Batch: 121349

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63892-1	CS-1 (1.5')	Total/NA	Solid	8015B NM	121197
880-63892-2	CS-2 (1.5')	Total/NA	Solid	8015B NM	121197
880-63892-3	CS-3 (1.5')	Total/NA	Solid	8015B NM	121197
880-63892-4	CS-4 (1.5')	Total/NA	Solid	8015B NM	121197
880-63892-5	CS-5 (1.5')	Total/NA	Solid	8015B NM	121197
880-63892-6	CS-6 (1.5')	Total/NA	Solid	8015B NM	121197
880-63892-7	CS-7 (1.5')	Total/NA	Solid	8015B NM	121197
880-63892-8	CS-8 (1.5')	Total/NA	Solid	8015B NM	121197
880-63892-9	CS-9 (1.5')	Total/NA	Solid	8015B NM	121197
880-63892-10	CS-10 (1.5')	Total/NA	Solid	8015B NM	121197
880-63892-11	CS-11 (1.5')	Total/NA	Solid	8015B NM	121197
880-63892-12	CS-12 (1.5')	Total/NA	Solid	8015B NM	121197
MB 880-121197/1-A	Method Blank	Total/NA	Solid	8015B NM	121197
LCS 880-121197/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	121197
LCSD 880-121197/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	121197
880-63838-A-41-B MS	Matrix Spike	Total/NA	Solid	8015B NM	121197
880-63838-A-41-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	121197

Analysis Batch: 121466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63892-1	CS-1 (1.5')	Total/NA	Solid	8015 NM	
880-63892-2	CS-2 (1.5')	Total/NA	Solid	8015 NM	
880-63892-3	CS-3 (1.5')	Total/NA	Solid	8015 NM	
880-63892-4	CS-4 (1.5')	Total/NA	Solid	8015 NM	
880-63892-5	CS-5 (1.5')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63892-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 121466 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63892-6	CS-6 (1.5')	Total/NA	Solid	8015 NM	
880-63892-7	CS-7 (1.5')	Total/NA	Solid	8015 NM	
880-63892-8	CS-8 (1.5')	Total/NA	Solid	8015 NM	
880-63892-9	CS-9 (1.5')	Total/NA	Solid	8015 NM	
880-63892-10	CS-10 (1.5')	Total/NA	Solid	8015 NM	
880-63892-11	CS-11 (1.5')	Total/NA	Solid	8015 NM	
880-63892-12	CS-12 (1.5')	Total/NA	Solid	8015 NM	
880-63892-13	CS-13 (2')	Total/NA	Solid	8015 NM	
880-63892-14	CS-14 (2')	Total/NA	Solid	8015 NM	
880-63892-15	CS-15 (2')	Total/NA	Solid	8015 NM	
880-63892-16	CS-16 (2')	Total/NA	Solid	8015 NM	
880-63892-17	SW-1 (1.5')	Total/NA	Solid	8015 NM	
880-63892-18	SW-2 (1.5')	Total/NA	Solid	8015 NM	
880-63892-19	SW-3 (1.5')	Total/NA	Solid	8015 NM	
880-63892-20	SW-4 (1.5')	Total/NA	Solid	8015 NM	
880-63892-21	SW-5 (2')	Total/NA	Solid	8015 NM	
880-63892-22	SW-6 (2')	Total/NA	Solid	8015 NM	
880-63892-23	SW-7 (2')	Total/NA	Solid	8015 NM	
880-63892-24	SW-8 (2')	Total/NA	Solid	8015 NM	
880-63892-25	SW-9 (2')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 121323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63892-21	SW-5 (2')	Soluble	Solid	DI Leach	
880-63892-22	SW-6 (2')	Soluble	Solid	DI Leach	
880-63892-23	SW-7 (2')	Soluble	Solid	DI Leach	
880-63892-24	SW-8 (2')	Soluble	Solid	DI Leach	
880-63892-25	SW-9 (2')	Soluble	Solid	DI Leach	
MB 880-121323/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-121323/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-121323/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-63888-A-1-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-63888-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 121327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63892-1	CS-1 (1.5')	Soluble	Solid	DI Leach	
880-63892-2	CS-2 (1.5')	Soluble	Solid	DI Leach	
880-63892-3	CS-3 (1.5')	Soluble	Solid	DI Leach	
880-63892-4	CS-4 (1.5')	Soluble	Solid	DI Leach	
880-63892-5	CS-5 (1.5')	Soluble	Solid	DI Leach	
880-63892-6	CS-6 (1.5')	Soluble	Solid	DI Leach	
880-63892-7	CS-7 (1.5')	Soluble	Solid	DI Leach	
880-63892-8	CS-8 (1.5')	Soluble	Solid	DI Leach	
880-63892-9	CS-9 (1.5')	Soluble	Solid	DI Leach	
880-63892-10	CS-10 (1.5')	Soluble	Solid	DI Leach	
880-63892-11	CS-11 (1.5')	Soluble	Solid	DI Leach	
880-63892-12	CS-12 (1.5')	Soluble	Solid	DI Leach	
880-63892-13	CS-13 (2')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63892-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Leach Batch: 121327 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63892-14	CS-14 (2')	Soluble	Solid	DI Leach	
880-63892-15	CS-15 (2')	Soluble	Solid	DI Leach	
880-63892-16	CS-16 (2')	Soluble	Solid	DI Leach	
880-63892-17	SW-1 (1.5')	Soluble	Solid	DI Leach	
880-63892-18	SW-2 (1.5')	Soluble	Solid	DI Leach	
880-63892-19	SW-3 (1.5')	Soluble	Solid	DI Leach	
880-63892-20	SW-4 (1.5')	Soluble	Solid	DI Leach	
MB 880-121327/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-121327/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-121327/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-63892-1 MS	CS-1 (1.5')	Soluble	Solid	DI Leach	
880-63892-1 MSD	CS-1 (1.5')	Soluble	Solid	DI Leach	
880-63892-11 MS	CS-11 (1.5')	Soluble	Solid	DI Leach	
880-63892-11 MSD	CS-11 (1.5')	Soluble	Solid	DI Leach	

Analysis Batch: 121344

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63892-21	SW-5 (2')	Soluble	Solid	300.0	121323
880-63892-22	SW-6 (2')	Soluble	Solid	300.0	121323
880-63892-23	SW-7 (2')	Soluble	Solid	300.0	121323
880-63892-24	SW-8 (2')	Soluble	Solid	300.0	121323
880-63892-25	SW-9 (2')	Soluble	Solid	300.0	121323
MB 880-121323/1-A	Method Blank	Soluble	Solid	300.0	121323
LCS 880-121323/2-A	Lab Control Sample	Soluble	Solid	300.0	121323
LCSD 880-121323/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	121323
880-63888-A-1-C MS	Matrix Spike	Soluble	Solid	300.0	121323
880-63888-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	121323

Analysis Batch: 121367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63892-1	CS-1 (1.5')	Soluble	Solid	300.0	121327
880-63892-2	CS-2 (1.5')	Soluble	Solid	300.0	121327
880-63892-3	CS-3 (1.5')	Soluble	Solid	300.0	121327
880-63892-4	CS-4 (1.5')	Soluble	Solid	300.0	121327
880-63892-5	CS-5 (1.5')	Soluble	Solid	300.0	121327
880-63892-6	CS-6 (1.5')	Soluble	Solid	300.0	121327
880-63892-7	CS-7 (1.5')	Soluble	Solid	300.0	121327
880-63892-8	CS-8 (1.5')	Soluble	Solid	300.0	121327
880-63892-9	CS-9 (1.5')	Soluble	Solid	300.0	121327
880-63892-10	CS-10 (1.5')	Soluble	Solid	300.0	121327
880-63892-11	CS-11 (1.5')	Soluble	Solid	300.0	121327
880-63892-12	CS-12 (1.5')	Soluble	Solid	300.0	121327
880-63892-13	CS-13 (2')	Soluble	Solid	300.0	121327
880-63892-14	CS-14 (2')	Soluble	Solid	300.0	121327
880-63892-15	CS-15 (2')	Soluble	Solid	300.0	121327
880-63892-16	CS-16 (2')	Soluble	Solid	300.0	121327
880-63892-17	SW-1 (1.5')	Soluble	Solid	300.0	121327
880-63892-18	SW-2 (1.5')	Soluble	Solid	300.0	121327
880-63892-19	SW-3 (1.5')	Soluble	Solid	300.0	121327
880-63892-20	SW-4 (1.5')	Soluble	Solid	300.0	121327
MB 880-121327/1-A	Method Blank	Soluble	Solid	300.0	121327

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63892-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 121367 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-121327/2-A	Lab Control Sample	Soluble	Solid	300.0	121327
LCSD 880-121327/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	121327
880-63892-1 MS	CS-1 (1.5')	Soluble	Solid	300.0	121327
880-63892-1 MSD	CS-1 (1.5')	Soluble	Solid	300.0	121327
880-63892-11 MS	CS-11 (1.5')	Soluble	Solid	300.0	121327
880-63892-11 MSD	CS-11 (1.5')	Soluble	Solid	300.0	121327

Lab Chronicle

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63892-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-1 (1.5')**Lab Sample ID: 880-63892-1****Date Collected: 10/15/25 00:00****Matrix: Solid****Date Received: 10/15/25 15:50**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	121335	10/16/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	121338	10/16/25 23:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			121460	10/16/25 23:11	SA	EET MID
Total/NA	Analysis	8015 NM		1			121466	10/16/25 13:12	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	121197	10/14/25 16:36	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	121349	10/16/25 13:12	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	121327	10/16/25 08:28	SA	EET MID
Soluble	Analysis	300.0		1			121367	10/16/25 14:13	CS	EET MID

Client Sample ID: CS-2 (1.5')**Lab Sample ID: 880-63892-2****Date Collected: 10/15/25 00:00****Matrix: Solid****Date Received: 10/15/25 15:50**

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	121335	10/16/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	121338	10/16/25 23:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			121460	10/16/25 23:32	SA	EET MID
Total/NA	Analysis	8015 NM		1			121466	10/16/25 13:28	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	121197	10/14/25 16:36	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	121349	10/16/25 13:28	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	121327	10/16/25 08:28	SA	EET MID
Soluble	Analysis	300.0		1			121367	10/16/25 14:31	CS	EET MID

Client Sample ID: CS-3 (1.5')**Lab Sample ID: 880-63892-3****Date Collected: 10/15/25 00:00****Matrix: Solid****Date Received: 10/15/25 15:50**

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	121335	10/16/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	121338	10/16/25 23:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			121460	10/16/25 23:52	SA	EET MID
Total/NA	Analysis	8015 NM		1			121466	10/16/25 13:58	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	121197	10/14/25 16:36	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	121349	10/16/25 13:58	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	121327	10/16/25 08:28	SA	EET MID
Soluble	Analysis	300.0		1			121367	10/16/25 14:36	CS	EET MID

Client Sample ID: CS-4 (1.5')**Lab Sample ID: 880-63892-4****Date Collected: 10/15/25 00:00****Matrix: Solid****Date Received: 10/15/25 15:50**

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	121335	10/16/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	121338	10/17/25 00:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			121460	10/17/25 00:13	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63892-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-4 (1.5')**Date Collected: 10/15/25 00:00****Date Received: 10/15/25 15:50****Lab Sample ID: 880-63892-4****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			121466	10/16/25 14:13	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	121197	10/14/25 16:36	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	121349	10/16/25 14:13	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	121327	10/16/25 08:28	SA	EET MID
Soluble	Analysis	300.0		1			121367	10/16/25 14:42	CS	EET MID

Client Sample ID: CS-5 (1.5')**Date Collected: 10/15/25 00:00****Date Received: 10/15/25 15:50****Lab Sample ID: 880-63892-5****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	121335	10/16/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	121338	10/17/25 00:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			121460	10/17/25 00:33	SA	EET MID
Total/NA	Analysis	8015 NM		1			121466	10/16/25 14:29	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	121197	10/14/25 16:36	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	121349	10/16/25 14:29	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	121327	10/16/25 08:28	SA	EET MID
Soluble	Analysis	300.0		1			121367	10/16/25 14:48	CS	EET MID

Client Sample ID: CS-6 (1.5')**Date Collected: 10/15/25 00:00****Date Received: 10/15/25 15:50****Lab Sample ID: 880-63892-6****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	121335	10/16/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	121338	10/17/25 00:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			121460	10/17/25 00:54	SA	EET MID
Total/NA	Analysis	8015 NM		1			121466	10/16/25 14:43	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	121197	10/14/25 16:36	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	121349	10/16/25 14:43	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	121327	10/16/25 08:28	SA	EET MID
Soluble	Analysis	300.0		1			121367	10/16/25 15:06	CS	EET MID

Client Sample ID: CS-7 (1.5')**Date Collected: 10/15/25 00:00****Date Received: 10/15/25 15:50****Lab Sample ID: 880-63892-7****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	121335	10/16/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	121338	10/17/25 01:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			121460	10/17/25 01:14	SA	EET MID
Total/NA	Analysis	8015 NM		1			121466	10/16/25 14:58	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	121197	10/14/25 16:36	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	121349	10/16/25 14:58	FC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63892-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-7 (1.5')

Date Collected: 10/15/25 00:00

Date Received: 10/15/25 15:50

Lab Sample ID: 880-63892-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	121327	10/16/25 08:28	SA	EET MID
Soluble	Analysis	300.0		1			121367	10/16/25 15:12	CS	EET MID

Client Sample ID: CS-8 (1.5')

Date Collected: 10/15/25 00:00

Date Received: 10/15/25 15:50

Lab Sample ID: 880-63892-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	121335	10/16/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	121338	10/17/25 01:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			121460	10/17/25 01:35	SA	EET MID
Total/NA	Analysis	8015 NM		1			121466	10/16/25 15:13	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	121197	10/14/25 16:36	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	121349	10/16/25 15:13	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	121327	10/16/25 08:28	SA	EET MID
Soluble	Analysis	300.0		1			121367	10/16/25 15:18	CS	EET MID

Client Sample ID: CS-9 (1.5')

Date Collected: 10/15/25 00:00

Date Received: 10/15/25 15:50

Lab Sample ID: 880-63892-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	121335	10/16/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	121338	10/17/25 01:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			121460	10/17/25 01:55	SA	EET MID
Total/NA	Analysis	8015 NM		1			121466	10/16/25 15:29	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	121197	10/14/25 16:36	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	121349	10/16/25 15:29	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	121327	10/16/25 08:28	SA	EET MID
Soluble	Analysis	300.0		1			121367	10/16/25 15:23	CS	EET MID

Client Sample ID: CS-10 (1.5')

Date Collected: 10/15/25 00:00

Date Received: 10/15/25 15:50

Lab Sample ID: 880-63892-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	121335	10/16/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	121338	10/17/25 02:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			121460	10/17/25 02:16	SA	EET MID
Total/NA	Analysis	8015 NM		1			121466	10/16/25 15:44	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	121197	10/14/25 16:36	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	121349	10/16/25 15:44	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	121327	10/16/25 08:28	SA	EET MID
Soluble	Analysis	300.0		1			121367	10/16/25 15:29	CS	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63892-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-11 (1.5')**Lab Sample ID: 880-63892-11****Date Collected: 10/15/25 00:00****Matrix: Solid****Date Received: 10/15/25 15:50**

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	121335	10/16/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	121338	10/17/25 03:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			121460	10/17/25 03:49	SA	EET MID
Total/NA	Analysis	8015 NM		1			121466	10/16/25 15:59	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	121197	10/14/25 16:36	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	121349	10/16/25 15:59	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	121327	10/16/25 08:28	SA	EET MID
Soluble	Analysis	300.0		1			121367	10/16/25 15:35	CS	EET MID

Client Sample ID: CS-12 (1.5')**Lab Sample ID: 880-63892-12****Date Collected: 10/15/25 00:00****Matrix: Solid****Date Received: 10/15/25 15:50**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	121335	10/16/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	121338	10/17/25 04:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			121460	10/17/25 04:09	SA	EET MID
Total/NA	Analysis	8015 NM		1			121466	10/16/25 16:13	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	121197	10/14/25 16:36	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	121349	10/16/25 16:13	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	121327	10/16/25 08:28	SA	EET MID
Soluble	Analysis	300.0		1			121367	10/16/25 15:53	CS	EET MID

Client Sample ID: CS-13 (2')**Lab Sample ID: 880-63892-13****Date Collected: 10/15/25 00:00****Matrix: Solid****Date Received: 10/15/25 15:50**

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	121335	10/16/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	121338	10/17/25 04:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			121460	10/17/25 04:30	SA	EET MID
Total/NA	Analysis	8015 NM		1			121466	10/17/25 03:44	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	121322	10/16/25 07:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	121346	10/17/25 03:44	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	121327	10/16/25 08:28	SA	EET MID
Soluble	Analysis	300.0		1			121367	10/16/25 15:59	CS	EET MID

Client Sample ID: CS-14 (2')**Lab Sample ID: 880-63892-14****Date Collected: 10/15/25 00:00****Matrix: Solid****Date Received: 10/15/25 15:50**

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	121335	10/16/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	121338	10/17/25 04:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			121460	10/17/25 04:50	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63892-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-14 (2')**Lab Sample ID: 880-63892-14****Date Collected: 10/15/25 00:00****Matrix: Solid****Date Received: 10/15/25 15:50**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			121466	10/17/25 04:29	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	121322	10/16/25 07:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	121346	10/17/25 04:29	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	121327	10/16/25 08:28	SA	EET MID
Soluble	Analysis	300.0		1			121367	10/16/25 16:16	CS	EET MID

Client Sample ID: CS-15 (2')**Lab Sample ID: 880-63892-15****Date Collected: 10/15/25 00:00****Matrix: Solid****Date Received: 10/15/25 15:50**

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	121335	10/16/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	121338	10/17/25 05:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			121460	10/17/25 05:11	SA	EET MID
Total/NA	Analysis	8015 NM		1			121466	10/17/25 04:44	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	121322	10/16/25 07:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	121346	10/17/25 04:44	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	121327	10/16/25 08:28	SA	EET MID
Soluble	Analysis	300.0		1			121367	10/16/25 16:22	CS	EET MID

Client Sample ID: CS-16 (2')**Lab Sample ID: 880-63892-16****Date Collected: 10/15/25 00:00****Matrix: Solid****Date Received: 10/15/25 15:50**

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	121335	10/16/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	121338	10/17/25 05:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			121460	10/17/25 05:31	SA	EET MID
Total/NA	Analysis	8015 NM		1			121466	10/17/25 04:59	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	121322	10/16/25 07:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	121346	10/17/25 04:59	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	121327	10/16/25 08:28	SA	EET MID
Soluble	Analysis	300.0		1			121367	10/16/25 16:28	CS	EET MID

Client Sample ID: SW-1 (1.5')**Lab Sample ID: 880-63892-17****Date Collected: 10/15/25 00:00****Matrix: Solid****Date Received: 10/15/25 15:50**

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	121335	10/16/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	121338	10/17/25 05:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			121460	10/17/25 05:52	SA	EET MID
Total/NA	Analysis	8015 NM		1			121466	10/17/25 05:14	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	121322	10/16/25 07:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	121346	10/17/25 05:14	FC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63892-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-1 (1.5')

Date Collected: 10/15/25 00:00

Date Received: 10/15/25 15:50

Lab Sample ID: 880-63892-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	121327	10/16/25 08:28	SA	EET MID
Soluble	Analysis	300.0		1			121367	10/16/25 16:34	CS	EET MID

Client Sample ID: SW-2 (1.5')

Date Collected: 10/15/25 00:00

Date Received: 10/15/25 15:50

Lab Sample ID: 880-63892-18

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	121335	10/16/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	121338	10/17/25 06:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			121460	10/17/25 06:12	SA	EET MID
Total/NA	Analysis	8015 NM		1			121466	10/17/25 05:29	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	121322	10/16/25 07:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	121346	10/17/25 05:29	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	121327	10/16/25 08:28	SA	EET MID
Soluble	Analysis	300.0		1			121367	10/16/25 16:40	CS	EET MID

Client Sample ID: SW-3 (1.5')

Date Collected: 10/15/25 00:00

Date Received: 10/15/25 15:50

Lab Sample ID: 880-63892-19

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	121335	10/16/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	121338	10/17/25 06:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			121460	10/17/25 06:32	SA	EET MID
Total/NA	Analysis	8015 NM		1			121466	10/17/25 05:45	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	121322	10/16/25 07:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	121346	10/17/25 05:45	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	121327	10/16/25 08:28	SA	EET MID
Soluble	Analysis	300.0		1			121367	10/16/25 16:46	CS	EET MID

Client Sample ID: SW-4 (1.5')

Date Collected: 10/15/25 00:00

Date Received: 10/15/25 15:50

Lab Sample ID: 880-63892-20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	121335	10/16/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	121338	10/17/25 06:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			121460	10/17/25 06:53	SA	EET MID
Total/NA	Analysis	8015 NM		1			121466	10/17/25 05:59	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	121322	10/16/25 07:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	121346	10/17/25 05:59	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	121327	10/16/25 08:28	SA	EET MID
Soluble	Analysis	300.0		1			121367	10/16/25 16:52	CS	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63892-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-5 (2')**Lab Sample ID: 880-63892-21****Date Collected: 10/15/25 00:00****Matrix: Solid****Date Received: 10/15/25 15:50**

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	121330	10/16/25 08:35	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	121336	10/16/25 12:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			121460	10/16/25 12:06	SA	EET MID
Total/NA	Analysis	8015 NM		1			121466	10/17/25 06:15	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	121322	10/16/25 07:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	121346	10/17/25 06:15	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	121323	10/16/25 07:58	SA	EET MID
Soluble	Analysis	300.0		1			121344	10/16/25 10:29	CS	EET MID

Client Sample ID: SW-6 (2')**Lab Sample ID: 880-63892-22****Date Collected: 10/15/25 00:00****Matrix: Solid****Date Received: 10/15/25 15:50**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	121330	10/16/25 08:35	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	121336	10/16/25 12:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			121460	10/16/25 12:27	SA	EET MID
Total/NA	Analysis	8015 NM		1			121466	10/17/25 06:30	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	121322	10/16/25 07:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	121346	10/17/25 06:30	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	121323	10/16/25 07:58	SA	EET MID
Soluble	Analysis	300.0		1			121344	10/16/25 10:34	CS	EET MID

Client Sample ID: SW-7 (2')**Lab Sample ID: 880-63892-23****Date Collected: 10/15/25 00:00****Matrix: Solid****Date Received: 10/15/25 15:50**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	121330	10/16/25 08:35	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	121336	10/16/25 12:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			121460	10/16/25 12:47	SA	EET MID
Total/NA	Analysis	8015 NM		1			121466	10/17/25 07:00	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	121322	10/16/25 07:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	121346	10/17/25 07:00	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	121323	10/16/25 07:58	SA	EET MID
Soluble	Analysis	300.0		1			121344	10/16/25 10:39	CS	EET MID

Client Sample ID: SW-8 (2')**Lab Sample ID: 880-63892-24****Date Collected: 10/15/25 00:00****Matrix: Solid****Date Received: 10/15/25 15:50**

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	121330	10/16/25 08:35	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	121336	10/16/25 13:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			121460	10/16/25 13:07	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63892-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-8 (2')
Date Collected: 10/15/25 00:00
Date Received: 10/15/25 15:50

Lab Sample ID: 880-63892-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			121466	10/17/25 07:14	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	121322	10/16/25 07:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	121346	10/17/25 07:14	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	121323	10/16/25 07:58	SA	EET MID
Soluble	Analysis	300.0		1			121344	10/16/25 10:55	CS	EET MID

Client Sample ID: SW-9 (2')
Date Collected: 10/15/25 00:00
Date Received: 10/15/25 15:50

Lab Sample ID: 880-63892-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	121330	10/16/25 08:35	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	121336	10/16/25 13:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			121460	10/16/25 13:33	SA	EET MID
Total/NA	Analysis	8015 NM		1			121466	10/17/25 07:30	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	121322	10/16/25 07:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	121346	10/17/25 07:30	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	121323	10/16/25 07:58	SA	EET MID
Soluble	Analysis	300.0		1			121344	10/16/25 11:00	CS	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63892-1
SDG: Eddy County, New Mexico

Laboratory: Eurofins Midland

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

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

Method Summary

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63892-1
SDG: Eddy County, New Mexico

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

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63892-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-63892-1	CS-1 (1.5')	Solid	10/15/25 00:00	10/15/25 15:50	New Mexico
880-63892-2	CS-2 (1.5')	Solid	10/15/25 00:00	10/15/25 15:50	New Mexico
880-63892-3	CS-3 (1.5')	Solid	10/15/25 00:00	10/15/25 15:50	New Mexico
880-63892-4	CS-4 (1.5')	Solid	10/15/25 00:00	10/15/25 15:50	New Mexico
880-63892-5	CS-5 (1.5')	Solid	10/15/25 00:00	10/15/25 15:50	New Mexico
880-63892-6	CS-6 (1.5')	Solid	10/15/25 00:00	10/15/25 15:50	New Mexico
880-63892-7	CS-7 (1.5')	Solid	10/15/25 00:00	10/15/25 15:50	New Mexico
880-63892-8	CS-8 (1.5')	Solid	10/15/25 00:00	10/15/25 15:50	New Mexico
880-63892-9	CS-9 (1.5')	Solid	10/15/25 00:00	10/15/25 15:50	New Mexico
880-63892-10	CS-10 (1.5')	Solid	10/15/25 00:00	10/15/25 15:50	New Mexico
880-63892-11	CS-11 (1.5')	Solid	10/15/25 00:00	10/15/25 15:50	New Mexico
880-63892-12	CS-12 (1.5')	Solid	10/15/25 00:00	10/15/25 15:50	New Mexico
880-63892-13	CS-13 (2')	Solid	10/15/25 00:00	10/15/25 15:50	New Mexico
880-63892-14	CS-14 (2')	Solid	10/15/25 00:00	10/15/25 15:50	New Mexico
880-63892-15	CS-15 (2')	Solid	10/15/25 00:00	10/15/25 15:50	New Mexico
880-63892-16	CS-16 (2')	Solid	10/15/25 00:00	10/15/25 15:50	New Mexico
880-63892-17	SW-1 (1.5')	Solid	10/15/25 00:00	10/15/25 15:50	New Mexico
880-63892-18	SW-2 (1.5')	Solid	10/15/25 00:00	10/15/25 15:50	New Mexico
880-63892-19	SW-3 (1.5')	Solid	10/15/25 00:00	10/15/25 15:50	New Mexico
880-63892-20	SW-4 (1.5')	Solid	10/15/25 00:00	10/15/25 15:50	New Mexico
880-63892-21	SW-5 (2')	Solid	10/15/25 00:00	10/15/25 15:50	New Mexico
880-63892-22	SW-6 (2')	Solid	10/15/25 00:00	10/15/25 15:50	New Mexico
880-63892-23	SW-7 (2')	Solid	10/15/25 00:00	10/15/25 15:50	New Mexico
880-63892-24	SW-8 (2')	Solid	10/15/25 00:00	10/15/25 15:50	New Mexico
880-63892-25	SW-9 (2')	Solid	10/15/25 00:00	10/15/25 15:50	New Mexico

Eurofins Midland

Chain of Custody



880-63892 Chain of Custody

Page 1 of 3

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: US/PST	☐ PRP	☐ RRC	☐ Superfund
State of Project:			
Reporting Level II	☐ Level III	☐ PST/UST	☐ RRP
Deliverables:	EDD	ADAPT	Other:

Project Name:		Cotton Draw Unit 25 Well Pad 4		Turn Around		Parameters		ANALYSIS REQUEST		Preservative Codes	
Project Number:	2764	Due Date:	72 HR TAT	Pres. Code							
Project Location	Eddy County, New Mexico										
Sampler's Name:	JM										
PO #:											
SAMPLE RECEIPT		Temp Blank:		Wet Ice:		Grab/Comp		Water		Soil	
Received Intact:	Yes No	Yes No	Thermometer ID:	Yes No							
Cooler Custody Seals:	Yes No	Yes No	Correction Factor:								
Sample Custody Seals:	Yes No	Yes No	Temperature Reading:								
Total Containers:			Corrected Temperature:								
Sample Identification	Date	Time									
CS-1 (1.5')	10/15/2025										
CS-2 (1.5')	10/15/2025										
CS-3 (1.5')	10/15/2025										
CS-4 (1.5')	10/15/2025										
CS-5 (1.5')	10/15/2025										
CS-6 (1.5')	10/15/2025										
CS-7 (1.5')	10/15/2025										
CS-8 (1.5')	10/15/2025										
CS-9 (1.5')	10/15/2025										
CS-10 (1.5')	10/15/2025										

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Johna Tange</i>		<i>[Signature]</i>	10/15/25 1550

Chain of Custody

Work Order No: _____

Page 2 of 3

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

Project Name: Cotton Draw Unit 25 Well Pad 4		Turn Around		Pres. Code		ANALYSIS REQUEST		Preservative Codes	
Project Number: 2764		☐ Routine ☒ Rush						None: NO DI Water: H ₂ O	
Project Location: Eddy County, New Mexico		Due Date: 72 HR TAT						Cool: Cool MeOH: Me	
Sampler's Name: JM								HCL: HC HNO ₃ : HN	
PO #:								H ₂ SO ₄ : H ₂ NaOH: Na	

Temp Blank: Yes No		Wet Ice: Yes No		Parameters		# of Cont	
Received Intact: Yes No		Thermometer ID:					
Cooler Custody Seals: Yes No N/A		Correction Factor:					
Sample Custody Seals: Yes No N/A		Temperature Reading:					
Total Containers:		Corrected Temperature:					

Sample Identification	Date	Time	Soil	Water	Grab/Comp	TPH 8015M (GRO + DRO + MRO)	BTEX 8021B	Chloride 300.0	Sample Comments
CS-11 (1.5')	10/15/2025		X		C	X	X	X	
CS-12 (1.5')	10/15/2025		X		C	X	X	X	
CS-13 (2')	10/15/2025		X		C	X	X	X	
CS-14 (2')	10/15/2025		X		C	X	X	X	
CS-15 (2')	10/15/2025		X		C	X	X	X	
CS-16 (2')	10/15/2025		X		C	X	X	X	
SW-1 (1.5')	10/15/2025		X		C	X	X	X	
SW-2 (1.5')	10/15/2025		X		C	X	X	X	
SW-3 (1.5')	10/15/2025		X		C	X	X	X	
SW-4 (1.5')	10/15/2025		X		C	X	X	X	

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

Relinquished by: (Signature)		Date/Time	
<i>Mike Carmona</i>			
Received by: (Signature)		Date/Time	
<i>Conner Moehring</i>		10/15/2025	

Work Order No.:

Page 3 of 3

Work Order Comments

Program: ☐ PST ☐ PRP ☐ brownfields ☐ RRC ☐ superfund

State of Project:

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

Deliverables: EDO ☐ ADAPT ☐ Other: _____

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

[illegible]

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			6/15/2020

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-63892-1

SDG Number: Eddy County, New Mexico

Login Number: 63892**List Number: 1****List Source: Eurofins Midland****Creator: Vasquez, Julisa**

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



Environment Testing

- 1
- 2
- 3
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- 11
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- 13
- 14

ANALYTICAL REPORT

PREPARED FOR

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

Generated 10/17/2025 2:49:20 PM

JOB DESCRIPTION

Cotton Draw Unit 25 Well Pad 4
Eddy County, New Mexico

JOB NUMBER

880-63890-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



Generated
10/17/2025 2:49:20 PM

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

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Laboratory Job ID: 880-63890-1
SDG: Eddy County, New Mexico

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	7
Surrogate Summary	8
QC Sample Results	9
QC Association Summary	13
Lab Chronicle	15
Certification Summary	16
Method Summary	17
Sample Summary	18
Chain of Custody	19
Receipt Checklists	20

1

2

3

4

5

6

7

8

9

10

11

12

13

14

Definitions/Glossary

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63890-1
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, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
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: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63890-1

Job ID: 880-63890-1

Eurofins Midland

Job Narrative 880-63890-1

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

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

Receipt

The sample was received on 10/15/2025 3:50 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -5.2°C.

GC VOA

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-121292 and analytical batch 880-121339 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: The surrogate recovery for the blank associated with preparation batch 880-121292 and analytical batch 880-121339 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: Backfill Sample (880-63890-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Diesel Range Organics

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-121349 recovered below the limit for Gasoline Range Organics (GRO)-C6-C10. An acceptable CCV was ran within the 12 hour limit; therefore, the data have been reported. The associated sample is:(CCV 880-121349/6).

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-121197 and analytical batch 880-121349 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 surrogate recovery for the blank associated with preparation batch 880-121197 and analytical batch 880-121349 was outside the control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-121197/2-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-121323 and analytical batch 880-121344 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.

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

Eurofins Midland

Case Narrative

Client: Carmona Resources
Project: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63890-1

Job ID: 880-63890-1 (Continued)

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

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Client Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63890-1
SDG: Eddy County, New Mexico

Client Sample ID: Backfill Sample

Lab Sample ID: 880-63890-1

Date Collected: 10/15/25 00:00

Matrix: Solid

Date Received: 10/15/25 15:50

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		10/16/25 09:20	10/16/25 20:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/16/25 09:20	10/16/25 20:24	1
Ethylbenzene	<0.00200	U *	0.00200		mg/Kg		10/16/25 09:20	10/16/25 20:24	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		10/16/25 09:20	10/16/25 20:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/16/25 09:20	10/16/25 20:24	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/16/25 09:20	10/16/25 20:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	153	S1+	70 - 130	10/16/25 09:20	10/16/25 20:24	1
1,4-Difluorobenzene (Surr)	115		70 - 130	10/16/25 09:20	10/16/25 20:24	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/16/25 20:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/16/25 12:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/14/25 16:36	10/16/25 12:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/14/25 16:36	10/16/25 12:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/14/25 16:36	10/16/25 12:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	115		70 - 130	10/14/25 16:36	10/16/25 12:57	1
o-Terphenyl (Surr)	122		70 - 130	10/14/25 16:36	10/16/25 12:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	70.8		10.0		mg/Kg			10/16/25 10:23	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63890-1
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)
880-63839-A-1-E MS	Matrix Spike	106	115
880-63839-A-1-F MSD	Matrix Spike Duplicate	107	111
880-63890-1	Backfill Sample	153 S1+	115
LCS 880-121292/1-A	Lab Control Sample	105	104
LCSD 880-121292/2-A	Lab Control Sample Dup	109	102
MB 880-121292/5-A	Method Blank	189 S1+	112
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)
880-63838-A-41-B MS	Matrix Spike	94	91
880-63838-A-41-C MSD	Matrix Spike Duplicate	78	87
880-63890-1	Backfill Sample	115	122
LCS 880-121197/2-A	Lab Control Sample	133 S1+	123
LCSD 880-121197/3-A	Lab Control Sample Dup	95	107
MB 880-121197/1-A	Method Blank	69 S1-	77
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

QC Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63890-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-121292/5-A

Matrix: Solid

Analysis Batch: 121339

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 121292

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/15/25 16:49	10/16/25 12:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/15/25 16:49	10/16/25 12:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/15/25 16:49	10/16/25 12:17	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		10/15/25 16:49	10/16/25 12:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/15/25 16:49	10/16/25 12:17	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/15/25 16:49	10/16/25 12:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	189	S1+	70 - 130	10/15/25 16:49	10/16/25 12:17	1
1,4-Difluorobenzene (Surr)	112		70 - 130	10/15/25 16:49	10/16/25 12:17	1

Lab Sample ID: LCS 880-121292/1-A

Matrix: Solid

Analysis Batch: 121339

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 121292

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09799		mg/Kg		98	70 - 130
Toluene	0.100	0.08231		mg/Kg		82	70 - 130
Ethylbenzene	0.100	0.1019		mg/Kg		102	70 - 130
m,p-Xylenes	0.200	0.2030		mg/Kg		101	70 - 130
o-Xylene	0.100	0.1020		mg/Kg		102	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: LCSD 880-121292/2-A

Matrix: Solid

Analysis Batch: 121339

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 121292

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1186		mg/Kg		119	70 - 130	19	35
Toluene	0.100	0.1017		mg/Kg		102	70 - 130	21	35
Ethylbenzene	0.100	0.1385	*+	mg/Kg		138	70 - 130	30	35
m,p-Xylenes	0.200	0.2501		mg/Kg		125	70 - 130	21	35
o-Xylene	0.100	0.1187		mg/Kg		119	70 - 130	15	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-63839-A-1-E MS

Matrix: Solid

Analysis Batch: 121339

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 121292

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1039		mg/Kg		104	70 - 130
Toluene	<0.00200	U	0.100	0.07780		mg/Kg		78	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63890-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-63839-A-1-E MS

Matrix: Solid

Analysis Batch: 121339

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 121292

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U *	0.100	0.08645		mg/Kg		86	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1673		mg/Kg		84	70 - 130
o-Xylene	<0.00200	U	0.100	0.08279		mg/Kg		83	70 - 130
Surrogate	%Recovery	MS Qualifier	MS Limits						
4-Bromofluorobenzene (Surr)	106		70 - 130						
1,4-Difluorobenzene (Surr)	115		70 - 130						

Lab Sample ID: 880-63839-A-1-F MSD

Matrix: Solid

Analysis Batch: 121339

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 121292

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.1102		mg/Kg		110	70 - 130	6	35
Toluene	<0.00200	U	0.100	0.08423		mg/Kg		84	70 - 130	8	35
Ethylbenzene	<0.00200	U *	0.100	0.09414		mg/Kg		94	70 - 130	9	35
m,p-Xylenes	<0.00399	U	0.200	0.2008		mg/Kg		100	70 - 130	18	35
o-Xylene	<0.00200	U	0.100	0.09975		mg/Kg		100	70 - 130	19	35
Surrogate	%Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	107		70 - 130								
1,4-Difluorobenzene (Surr)	111		70 - 130								

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

Lab Sample ID: MB 880-121197/1-A

Matrix: Solid

Analysis Batch: 121349

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 121197

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		10/14/25 16:36	10/16/25 03:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/14/25 16:36	10/16/25 03:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/14/25 16:36	10/16/25 03:06	1
Surrogate	%Recovery	MB Qualifier	MB Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	69	S1-	70 - 130				10/14/25 16:36	10/16/25 03:06	1
o-Terphenyl (Surr)	77		70 - 130				10/14/25 16:36	10/16/25 03:06	1

Lab Sample ID: LCS 880-121197/2-A

Matrix: Solid

Analysis Batch: 121349

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 121197

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	981.2		mg/Kg		98	70 - 130
Diesel Range Organics (Over C10-C28)	1000	904.2		mg/Kg		90	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63890-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-121197/2-A

Matrix: Solid

Analysis Batch: 121349

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 121197

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	133	S1+	70 - 130
o-Terphenyl (Surr)	123		70 - 130

Lab Sample ID: LCSD 880-121197/3-A

Matrix: Solid

Analysis Batch: 121349

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 121197

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	865.1		mg/Kg		87	70 - 130	13	20
Diesel Range Organics (Over C10-C28)	1000	803.7		mg/Kg		80	70 - 130	12	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	95		70 - 130
o-Terphenyl (Surr)	107		70 - 130

Lab Sample ID: 880-63838-A-41-B MS

Matrix: Solid

Analysis Batch: 121349

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 121197

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	1000	649.3	F1	mg/Kg		65	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U F1	1000	572.3	F1	mg/Kg		57	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	94		70 - 130
o-Terphenyl (Surr)	91		70 - 130

Lab Sample ID: 880-63838-A-41-C MSD

Matrix: Solid

Analysis Batch: 121349

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 121197

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	1000	649.7	F1	mg/Kg		65	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	1000	603.4	F1	mg/Kg		60	70 - 130	5	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	78		70 - 130
o-Terphenyl (Surr)	87		70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63890-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-121323/1-A

Matrix: Solid

Analysis Batch: 121344

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			10/16/25 09:52	1

Lab Sample ID: LCS 880-121323/2-A

Matrix: Solid

Analysis Batch: 121344

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	242.6		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-121323/3-A

Matrix: Solid

Analysis Batch: 121344

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	243.8		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-63888-A-1-C MS

Matrix: Solid

Analysis Batch: 121344

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1120		253	1330	4	mg/Kg		84	90 - 110

Lab Sample ID: 880-63888-A-1-D MSD

Matrix: Solid

Analysis Batch: 121344

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1120		253	1332	4	mg/Kg		85	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63890-1
SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 121292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63890-1	Backfill Sample	Total/NA	Solid	5035	
MB 880-121292/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-121292/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-121292/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-63839-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
880-63839-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 121339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63890-1	Backfill Sample	Total/NA	Solid	8021B	121292
MB 880-121292/5-A	Method Blank	Total/NA	Solid	8021B	121292
LCS 880-121292/1-A	Lab Control Sample	Total/NA	Solid	8021B	121292
LCSD 880-121292/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	121292
880-63839-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	121292
880-63839-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	121292

Analysis Batch: 121451

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63890-1	Backfill Sample	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 121197

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63890-1	Backfill Sample	Total/NA	Solid	8015NM Prep	
MB 880-121197/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-121197/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-121197/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-63838-A-41-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-63838-A-41-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 121349

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63890-1	Backfill Sample	Total/NA	Solid	8015B NM	121197
MB 880-121197/1-A	Method Blank	Total/NA	Solid	8015B NM	121197
LCS 880-121197/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	121197
LCSD 880-121197/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	121197
880-63838-A-41-B MS	Matrix Spike	Total/NA	Solid	8015B NM	121197
880-63838-A-41-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	121197

Analysis Batch: 121465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63890-1	Backfill Sample	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 121323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63890-1	Backfill Sample	Soluble	Solid	DI Leach	
MB 880-121323/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-121323/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-121323/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63890-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Leach Batch: 121323 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63888-A-1-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-63888-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 121344

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63890-1	Backfill Sample	Soluble	Solid	300.0	121323
MB 880-121323/1-A	Method Blank	Soluble	Solid	300.0	121323
LCS 880-121323/2-A	Lab Control Sample	Soluble	Solid	300.0	121323
LCSD 880-121323/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	121323
880-63888-A-1-C MS	Matrix Spike	Soluble	Solid	300.0	121323
880-63888-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	121323

Lab Chronicle

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63890-1
SDG: Eddy County, New Mexico

Client Sample ID: Backfill Sample Lab Sample ID: 880-63890-1
Date Collected: 10/15/25 00:00 Matrix: Solid
Date Received: 10/15/25 15:50

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	121292	10/16/25 09:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	121339	10/16/25 20:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			121451	10/16/25 20:24	SA	EET MID
Total/NA	Analysis	8015 NM		1			121465	10/16/25 12:57	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	121197	10/14/25 16:36	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	121349	10/16/25 12:57	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	121323	10/16/25 07:58	SA	EET MID
Soluble	Analysis	300.0		1			121344	10/16/25 10:23	CS	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63890-1
SDG: Eddy County, New Mexico

Laboratory: Eurofins Midland

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

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

1
2
3
4
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14

Method Summary

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63890-1
SDG: Eddy County, New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Cotton Draw Unit 25 Well Pad 4

Job ID: 880-63890-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-63890-1	Backfill Sample	Solid	10/15/25 00:00	10/15/25 15:50	New Mexico

- 1
- 2
- 3
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- 11
- 12
- 13
- 14

Chain of Custody



880-63890 Chain of Custody

Page 1 of 1

Work Order Comments

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

State of Project:

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

Deliverables: EDD ☐ ADAPT ☐ Other: _____

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	

[illegible]

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>John T. Carter</i>		<i>[Signature]</i>	01/12/15

- 1
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Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-63890-1

SDG Number: Eddy County, New Mexico

Login Number: 63890

List Number: 1

List Source: Eurofins Midland

Creator: Vasquez, Julisa

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

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

QUESTIONS

Action 521778

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 521778
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2513241074
Incident Name	NAPP2513241074 COTTON DRAW UNIT #615H @ 30-015-53175
Incident Type	Produced Water Release
Incident Status	Reclamation Report Received
Incident Well	[30-015-53175] COTTON DRAW UNIT #615H

Location of Release Source

Please answer all the questions in this group.

Site Name	COTTON DRAW UNIT #615H
Date Release Discovered	05/11/2025
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.

Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
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	Not answered.
Produced Water Released (bbls) Details	Cause: Human Error Tank (Any) Produced Water Released: 157 BBL Recovered: 120 BBL Lost: 37 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
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)	Human error allowed frac tank to overflow to pad surface. All fluids contained on pad surface.

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QUESTIONS, Page 2

Action 521778

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 521778
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be 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: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
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: James Raley Title: EHS Professional Email: jim.raley@dvni.com Date: 10/30/2025
--	---

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QUESTIONS, Page 3

Action 521778

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 521778
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Site Characterization	
<i>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.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 500 and 1000 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	1180
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	547
GRO+DRO (EPA SW-846 Method 8015M)	547
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	10/06/2025
On what date will (or did) the final sampling or liner inspection occur	10/15/2025
On what date will (or was) the remediation complete(d)	10/15/2025
What is the estimated surface area (in square feet) that will be reclaimed	3498
What is the estimated volume (in cubic yards) that will be reclaimed	360
What is the estimated surface area (in square feet) that will be remediated	3498
What is the estimated volume (in cubic yards) that will be remediated	360
<i>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.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 521778

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 521778
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fEEM0112334510 HALFWAY DISPOSAL AND LANDFILL
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)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dmv.com Date: 10/30/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 521778

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 521778
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
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Santa Fe, NM 87505

QUESTIONS, Page 6

Action 521778

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 521778
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	514378
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/15/2025
What was the (estimated) number of samples that were to be gathered	29
What was the sampling surface area in square feet	3662

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	3498
What was the total volume (cubic yards) remediated	360
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	3498
What was the total volume (in cubic yards) reclaimed	360
Summarize any additional remediation activities not included by answers (above)	Remediation Complete
<i>The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 10/30/2025

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QUESTIONS, Page 7

Action 521778

QUESTIONS (continued)

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	Action Number: 521778
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Reclamation Report	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	3498
What was the total volume of replacement material (in cubic yards) for this site	360
<i>Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.</i>	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeded commence(d)	12/01/2045
Summarize any additional reclamation activities not included by answers (above)	Remediation complete to reclamation standards. Seeding will take place when wells plugged and abandoned at final reclamation.
<i>The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeded plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dmv.com Date: 10/30/2025

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QUESTIONS, Page 8

Action 521778

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 521778
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

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

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CONDITIONS

Action 521778

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 521778
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	The reclamation report has been approved pursuant to 19.15.29.13 E. NMAC. The acceptance of this 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; or if the location fails to revegetate properly. In addition, the OCD approval does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.	1/15/2026