CARMONA RESOURCES

SITE INFORMATION

Deferral Report
Tatanka Federal Com 4H CTB (03.20.2025)
Incident ID: NAPP2507941450
Lea County, New Mexico
Unit P Sec 11 T26S R35E
32.051152°, -103.331175°

Point of Release: 3” carbon steel nipple on a 3” 90° fitting corroded.
Release Date: 03.20.2025
Volume Released: 344 Barrels of Produced Water
Volume Recovered: 344 Barrels of Produced Water

CARMONA RESOURCES

Prepared for:
Coterra Energy Operating Co.
6001 Deauville Blvd.
Suite 300N
Midland, Texas 79706

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

CARMONA RESOURCES

TABLE OF CONTENTS

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

CARMONA RESOURCES

April 23, 2025

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

Re: Deferral Report
Tatanka Federal Com 4H CTB (03.20.2025)
Incident ID: NAPP2507941450
Coterra Energy Operating Co.
Site Location: Unit P, S11, T26S, R35E
(Lat 32.051152º, Long -103.331175º)
Lea County, New Mexico

Mr. Bratcher:

On behalf of Coterra Energy Operating Co. (Coterra, formerly known as Franklin Mountain Energy, LLC), Carmona Resources, LLC has prepared this letter to document the site assessment activities for the Tatanka Federal Com 4H CTB release. The site is located at 32.051152º, -103.331175º within Unit P, S11, T26S, R35E, in Lea County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on March 20, 2025, due to a three-inch carbon steel nipple on a three-inch 90º fitting had corroded. It resulted in approximately three hundred forty-four (344) barrels of produced water being released inside the lined containment, with approximately three hundred forty-four (344) barrels of produced water recovered. The spill boundaries are shown in Figure 3. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there are no known water sources within a 0.50-mile radius of the location. The nearest identified well is approximately 1.20 miles East of the site in S13, T26S, R35E, and was drilled in 1986. The well has a reported depth to groundwater of 242.44 feet below the ground surface (ft bgs). A copy of the associated Summary Report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

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

310 West Wall Street, Suite 500
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CARMONA RESOURCES

4.0 Site Assessment Activities & Deferral

Liner Inspection

Before conducting the liner inspection, a crew was onsite to remove all freestanding fluids within the lined facility. On March 24, 2024, a third-party environmental company conducted liner inspection activities to assess the liner's integrity within the lined facility and noted four (4) tears within the liner (identified as BH-1 through BH-4). See Figure 3 for liner tear locations.

Initial Assessment

On April 15, 2025, Carmona Resources, LLC performed site assessment activities to evaluate soil impact stemming from the release. To assess the vertical and horizontal extent, four (4) borehole samples (BH-1 through BH-4) and nine (9) horizontal sample points (H-1 through H-9) were advanced to depths ranging from the surface to 5.0 feet below ground surface (ft bgs) inside and surrounding the lined facility. BH-1 through BH-4 were sampled through the "tears" that were noticed in the liner. Following the sampling through those "tears", patches were installed on the liner to prevent future releases from leaking under the containment. 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.

Vertical Delineation

Vertical delineation was achieved in all borehole samples for Benzene, total BTEX, TPH, and Chloride concentrations. Refer to Table 1. Sample locations are shown in Figure 3.

Horizontal Delineation

Horizontal delineation was achieved in all samples for Benzene, total BTEX, TPH, and Chloride concentrations. Refer to Table 1. Sample locations are shown in Figure 3.

Deferment

The CTB will be deferred per NMAC 19.15.29.12.C.2. To remove all contaminated material, major facility deconstruction would have to take place. Approximately 2,665 square feet, 201 cubic yards of contamination were left in place under the tank battery. Refer to Table 1 and Figure 4.

5.0 Conclusions

Based on the area, safety, and active facility equipment, Coterra requests to defer the chloride impact within the containment of the CTB. Remediation of the deferred area will be completed during plugging and abandonment activities or when equipment is removed, whichever comes first. If you have any questions regarding this report or need additional information, please contact us at 432-813-1992.

Sincerely,
Carmona Resources, LLC

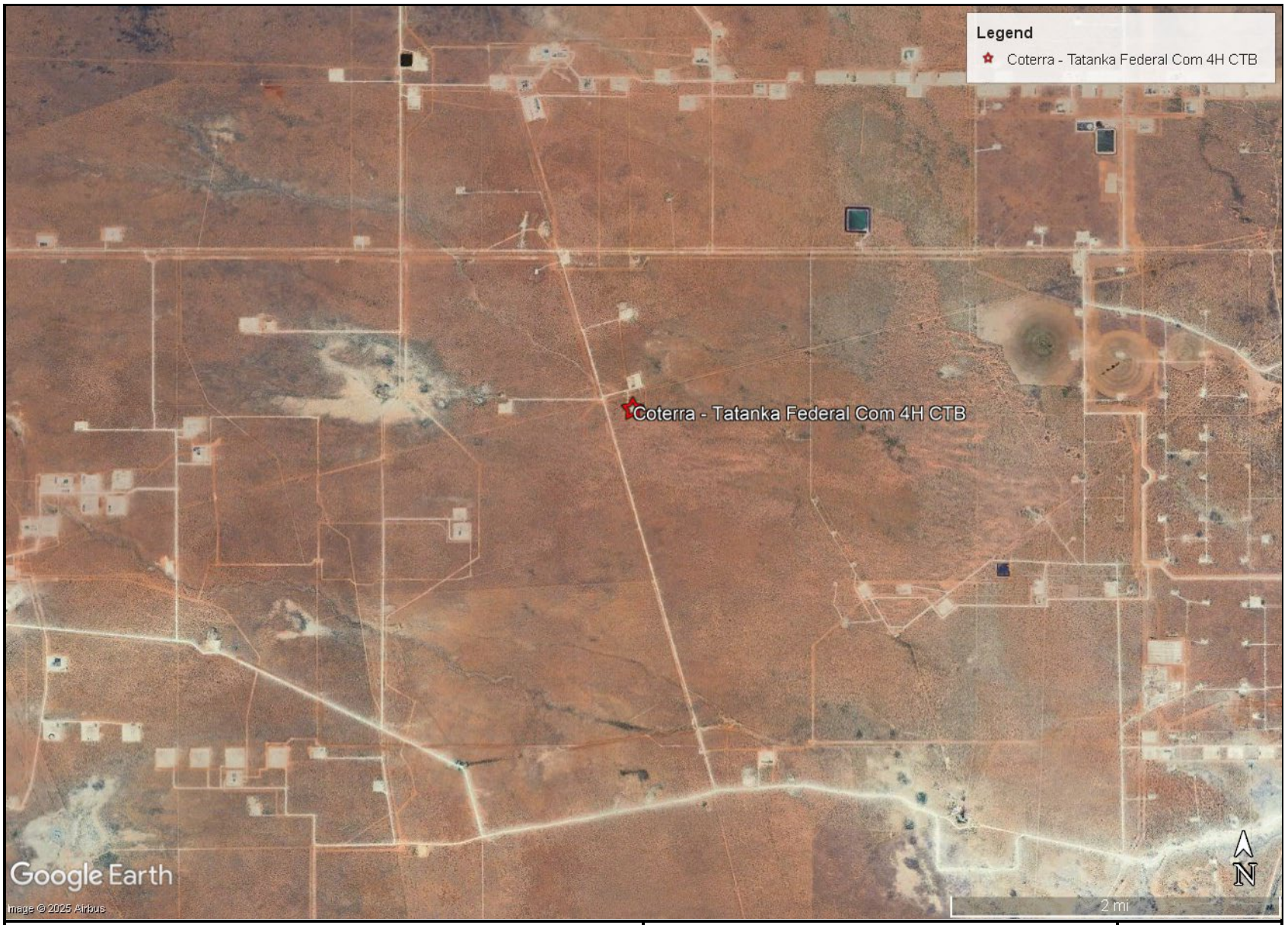
Ashton Thielke
Environmental Manager

Gilbert Priego
Project Manager

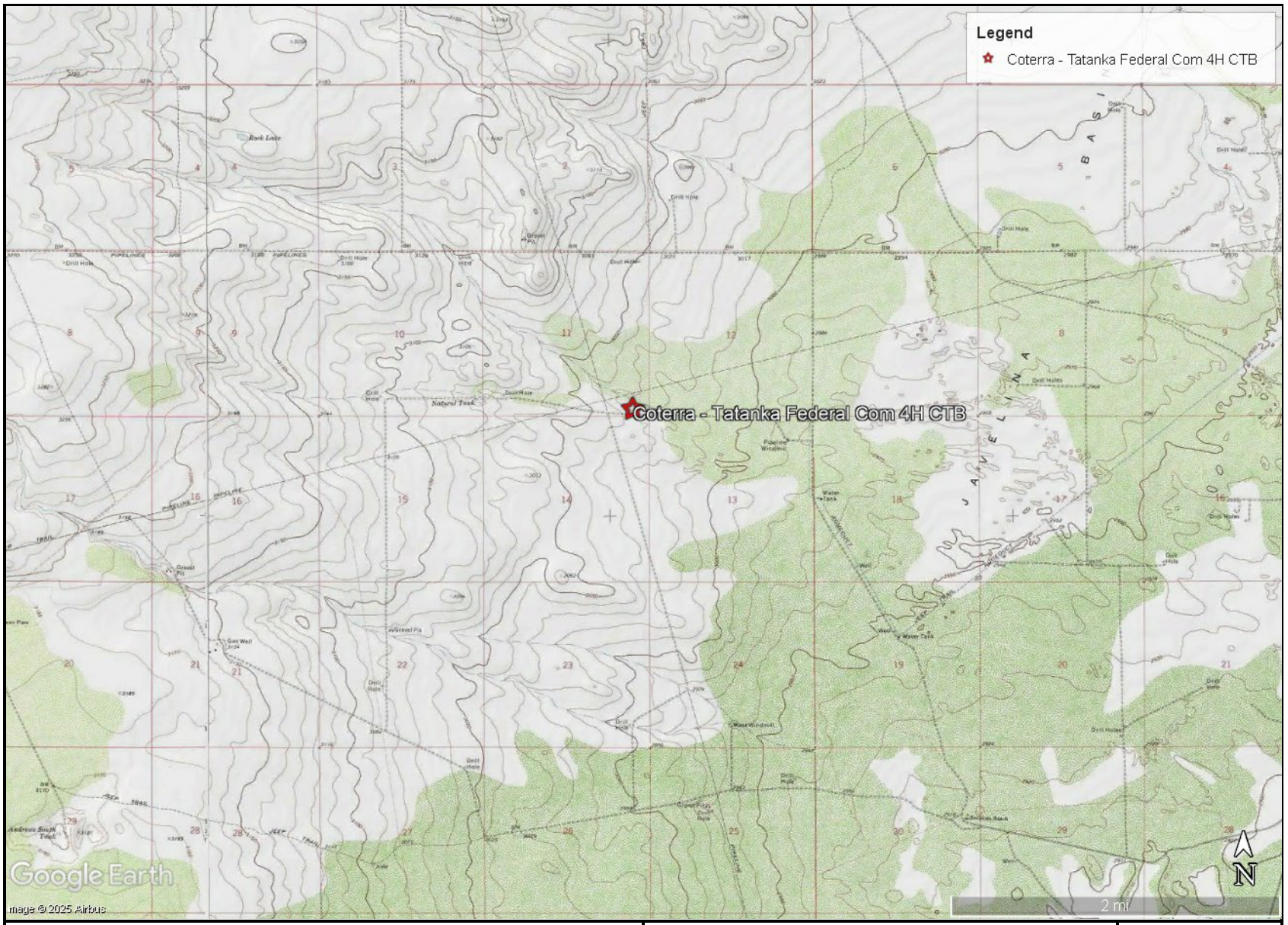
310 West Wall Street, Suite 500
Midland TX, 79701
432.813.1992

FIGURES

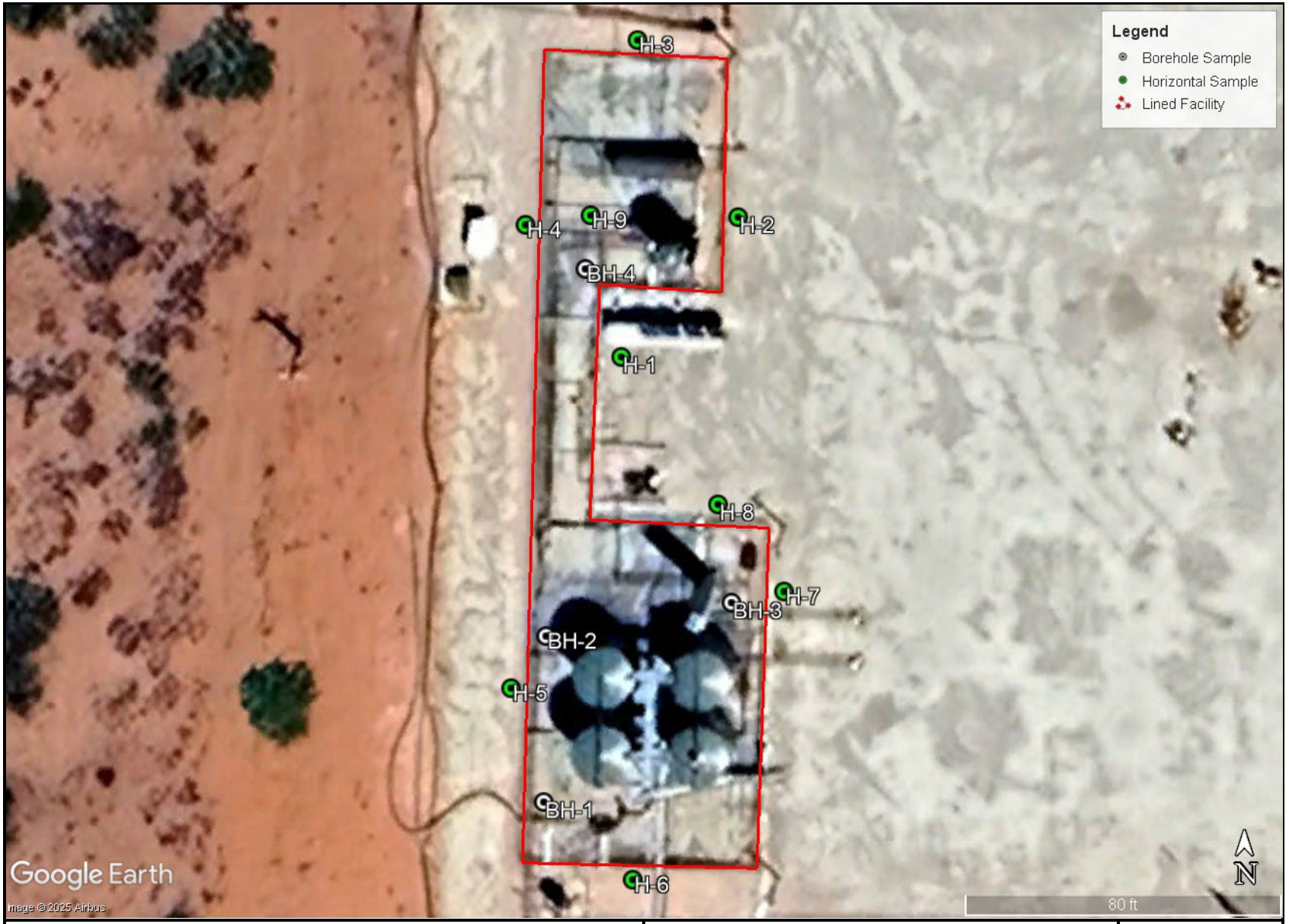
CARMONA RESOURCES



OVERVIEW MAP COTERRA ENERGY OPERATING CO. TATANKA FEDERAL COM 4H CTB LEA COUNTY, NEW MEXICO 32.051152°, -103.331175 °	CARMONA RESOURCES	FIGURE 1



TOPOGRAPHIC MAP COTERRA ENERGY OPERATING CO. TATANKA FEDERAL COM 4H CTB LEA COUNTY, NEW MEXICO 32.051152°, -103.331175 °	CARMONA RESOURCES	FIGURE 2



SAMPLE LOCATION MAP COTERRA ENERGY OPERATING CO. TATANKA FEDERAL COM 4H CTB LEA COUNTY, NEW MEXICO 32.051152°, -103.331175 °	CARMONA RESOURCES	FIGURE 3

DEFERRAL AREA MAP COTERRA ENERGY OPERATING CO. TATANKA FEDERAL COM 4H CTB LEA COUNTY, NEW MEXICO 32.051152°, -103.331175 °	CARMONA RESOURCES	FIGURE 4

APPENDIX A

CARMONA RESOURCES

Table 1
Coterra Energy Operating Co.
Tatanka Federal Com 4H CTB (03.20.2025)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
BH-1	4/15/2025	0-0.5'	<50.2	<50.2	<50.2	<50.2	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	**788**
	"	1.0'	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	153
	"	2.0'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	202
	"	3.0'	<50.3	<50.3	<50.3	<50.3	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	109
BH-2	4/15/2025	0-0.5'	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	273
	"	1.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	213
	"	2.0'	<50.4	<50.4	<50.4	<50.4	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	117
	"	3.0'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	245
BH-3	4/15/2025	0-0.5'	<50.3	<50.3	<50.3	<50.3	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	**831**
	"	1.0'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**5,850**
	"	2.0'	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	347
	"	3.0'	<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	163
	"	4.0'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	121
BH-4	4/15/2025	0-0.5'	<50.4	<50.4	<50.4	<50.4	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	341
	"	1.0'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**997**
	"	2.0'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**1,630**
	"	3.0'	<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	360
	"	4.0'	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	168
	"	5.0'	<50.3	<50.3	<50.3	<50.3	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	150
Regulatory Criteria [A]						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

[A] – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH - Total Petroleum Hydrocarbons
ft - feet
(BH) - Borehole Sample
Deferral Area

Table 1
Coterra Energy Operating Co.
Tatanka Federal Com 4H CTB (03.20.2025)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
H-1	4/15/2025	0-0.5'	<50.2	<50.2	<50.2	<50.2	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	66.8
H-2	4/15/2025	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	51.9
H-3	4/15/2025	0-0.5'	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	107
H-4	4/15/2025	0-0.5'	<50.4	<50.4	<50.4	<50.4	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	87.0
H-5	4/15/2025	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	76.1
H-6	4/15/2025	0-0.5'	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	81.1
H-7	4/15/2025	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	76.5
H-8	4/15/2025	0-0.5'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	62.7
H-9	4/15/2025	0-0.5'	<50.5	<50.5	<50.5	<50.5	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	154
Regulatory Criteria [A]						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

[A] – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH - Total Petroleum Hydrocarbons
ft - feet
(H) - Horizontal Sample

APPENDIX B

CARMONA RESOURCES

PHOTOGRAPHIC LOG

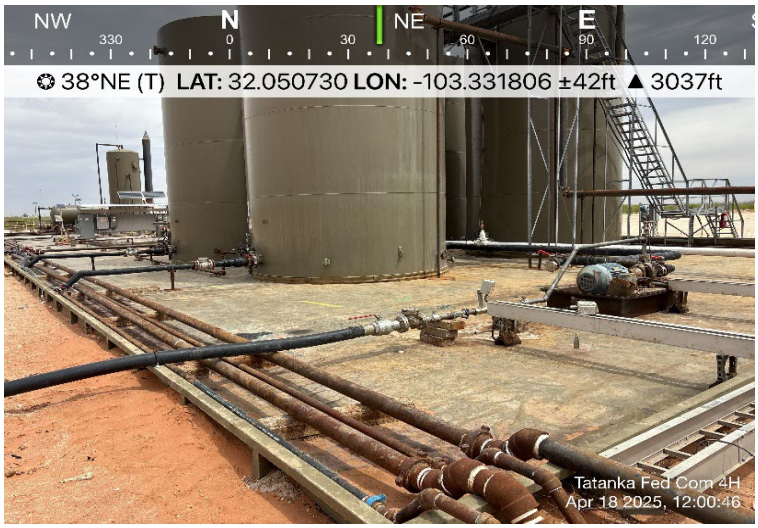
Coterra Energy Operating Co.

Photograph No. 1

Facility: Tatanka Federal Com 4H CTB (03.20.2025)

County: Lea County, New Mexico

Description:
View Northeast, area of BH-1 and BH-2.

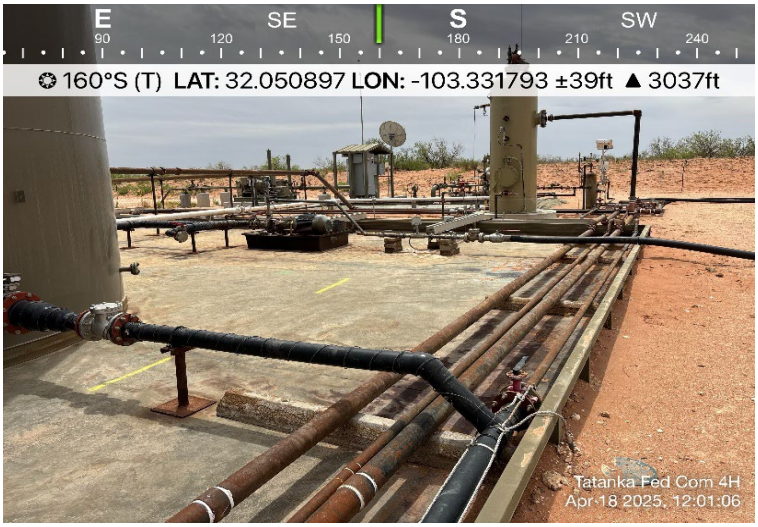


Photograph No. 2

Facility: Tatanka Federal Com 4H CTB (03.20.2025)

County: Lea County, New Mexico

Description:
View South, area of BH-1.

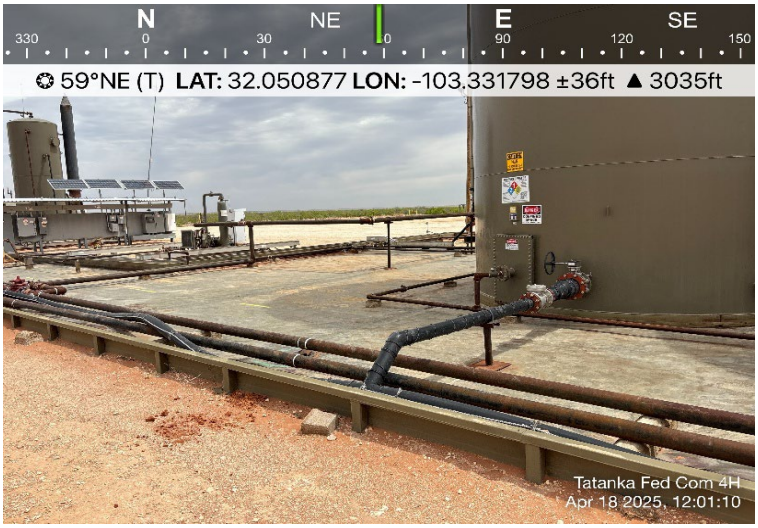


Photograph No. 3

Facility: Tatanka Federal Com 4H CTB (03.20.2025)

County: Lea County, New Mexico

Description:
View Northeast, area of BH-2.



CARMONA RESOURCES

PHOTOGRAPHIC LOG

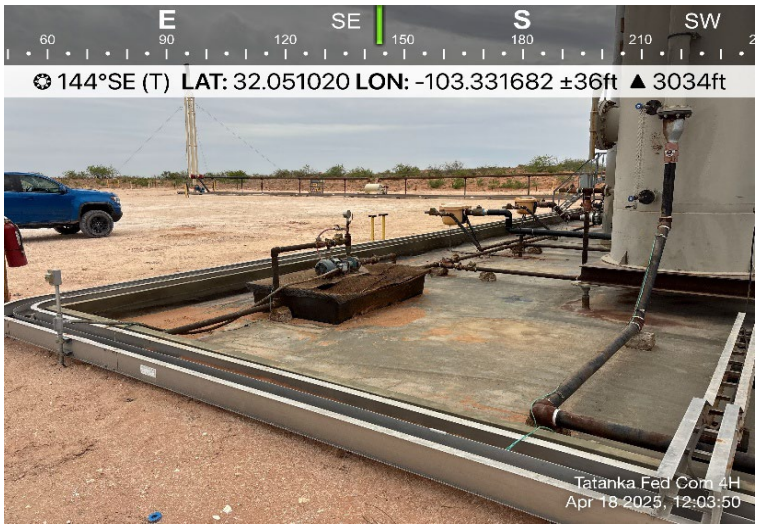
Coterra Energy Operating Co.

Photograph No. 4

Facility: Tatanka Federal Com 4H CTB (03.20.2025)

County: Lea County, New Mexico

Description:
View Southeast, area of BH-3.

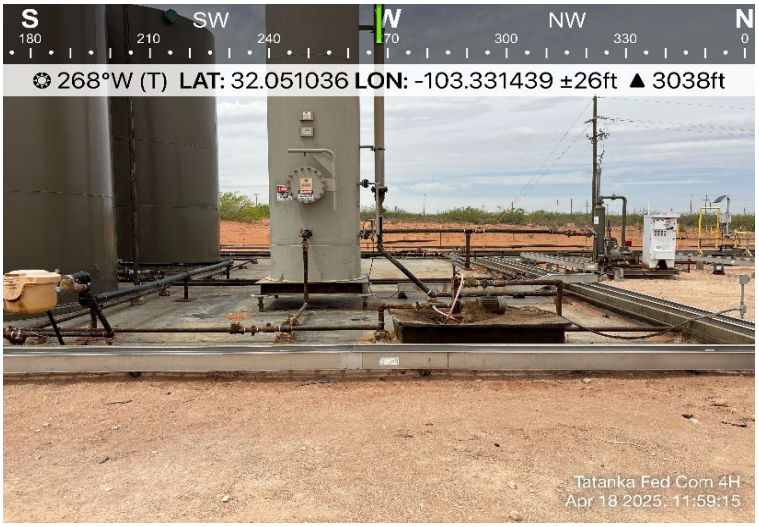


Photograph No. 5

Facility: Tatanka Federal Com 4H CTB (03.20.2025)

County: Lea County, New Mexico

Description:
View West, area of BH-3.



Photograph No. 6

Facility: Tatanka Federal Com 4H CTB (03.20.2025)

County: Lea County, New Mexico

Description:
View Northeast, area of BH-4.

CARMONA RESOURCES

PHOTOGRAPHIC LOG

Coterra Energy Operating Co.

Photograph No. 7

Facility: Tatanka Federal Com 4H CTB (03.20.2025)

County: Lea County, New Mexico

Description:
View Southeast, area of BH-4.

Photograph No. 8

Facility: Tatanka Federal Com 4H CTB (03.20.2025)

County: Lea County, New Mexico

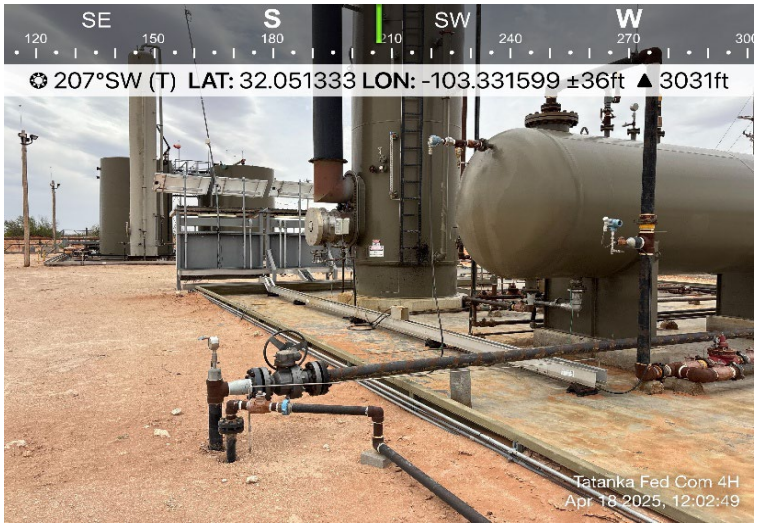
Description:
View South, area of lined facility.

Photograph No. 9

Facility: Tatanka Federal Com 4H CTB (03.20.2025)

County: Lea County, New Mexico

Description:
View Southwest, area of lined facility.



CARMONA RESOURCES

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

Operator: Franklin Mountain Energy LLC 44 Cook Street, Suite 1000 Denver, CO 80206	OGRID: 373910
	Action Number: 444202
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source *Please answer all the questions in this group.*	
Site Name	Tatanka Federal Com 4H CTB
Date Release Discovered	03/20/2025
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: Corrosion | Fitting | Produced Water | Released: 344 BBL | Recovered: 344 BBL | Lost: 0 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)	The Lease Operator arrived on location this morning and found fluid accumulated inside the lined containment. Further investigation revealed that a 3" carbon steel nipple on a 3" 90° fitting had corroded. The nipple was on a bypass line on the discharge side of the water transfer pump, which allowed fluids from the water tank to drain into the containment area. An estimated 344 barrels produced water was released into the lined containment. The containment was not equipped with a berm kill switch, and an issue with the facility comm's prevented an alarm from being sent. Vac trucks have recovered all fluids from the lined containment and the containment is scheduled to be washed. A liner inspection will be scheduled in the coming days.

Sante Fe Main Office
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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 (continued)

Operator: Franklin Mountain Energy LLC 44 Cook Street, Suite 1000 Denver, CO 80206	OGRID: 373910
	Action Number: 444202
	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.	

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

ACKNOWLEDGMENTS

Operator: Franklin Mountain Energy LLC 44 Cook Street, Suite 1000 Denver, CO 80206	OGRID: 373910
	Action Number: 444202
	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

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

CONDITIONS

Operator: Franklin Mountain Energy LLC 44 Cook Street, Suite 1000 Denver, CO 80206	OGRID: 373910
	Action Number: 444202
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
lluig	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	3/20/2025

****** LIQUID SPILLS - VOLUME CALCULATIONS ******

Location of spill: Taanka Federal Com 4H **Date of Spill:** 3/20/2025

If the leak/spill is associated with production equipment, i.e. - wellhead, stuffing box,
flowline, tank battery, production vessel, transfer pump, or storage tank place an "X" here: ☐

Input Data:

	OIL:	WATER:
If spill volumes from measurement, i.e. metering, tank volumes, etc.are known enter the volumes here:	0.0000 BBL	0.0000 BBL

If "known" spill volumes are given, input data for the following "Area Calculations" is optional. The above will override the calculated volumes.

Total Area Calculations

Total Surface Area	width		length		wet soil depth	oil (%)
Rectangle Area #1	0 ft	X	0 ft	X	0.00 in	0%
Rectangle Area #2	0 ft	X	0 ft	X	0.00 in	0%
Rectangle Area #3	0 ft	X	0 ft	X	0.00 in	0%
Rectangle Area #4	0 ft	X	0 ft	X	0.00 in	0%
Rectangle Area #5	0 ft	X	0 ft	X	0.00 in	0%
Rectangle Area #6	0 ft	X	0 ft	X	0.00 in	0%
Rectangle Area #7	0 ft	X	0 ft	X	0.00 in	0%
Rectangle Area #8	0 ft	X	0 ft	X	0.00 in	0%

Standing Liquid Calculations

Standing Liquid Area	width		length		liquid depth	oil (%)
Rectangle Area #1	62 ft	X	86 ft	X	3.00 in	0%
Rectangle Area #2	65 ft	X	15 ft	X	3.00 in	0%
Rectangle Area #3	58 ft	X	47 ft	X	3.00 in	0%
Rectangle Area #4	0 ft	X	0 ft	X	0.00 in	0%
Rectangle Area #5	0 ft	X	0 ft	X	0.00 in	0%
Rectangle Area #6	0 ft	X	0 ft	X	0.00 in	0%
Rectangle Area #7	0 ft	X	0 ft	X	0.00 in	0%
Rectangle Area #8	0 ft	X	0 ft	X	0.00 in	0%

ERROR - Standing Liquid Area larger than Total Area, Review Data Input

Production Data NOT Required

Average Daily Production: Oil 0 BBL Water 0 BBL

Did leak occur before the separator?: ☐ YES ☐ N/A *(place an "X")*

Amount of Free Liquid Recovered: 0 BBL okay

Percentage of Oil in Free Liquid Recovered: 0% (percentage)

Liquid holding factor *: 0.14 gal per gal

Use the following when the spill wets the grains of the soil.
* sand = .08 gallon liquid per gallon volume of soil.
* gravelly (caliche) loam = .14 gallon liquid per gallon volume of soil.
* sandy clay loam soil = .14 gallon liquid per gallon volume of soil.
* clay loam = .16 gallon liquid per gallon volume of soil.

Use the following when the liquid completely fills the pore space of the soil:
Occures when the spill soaked soil is contained by barriers, natural (or not).
* gravelly (caliche) loam = .25 gallon liquid per gallon volume of soil.
* sandy loam = .5 gallon liquid per gallon volume of soil.

Saturated Soil Volume Calculations:

		H2O	OIL
Total Solid/Liquid Volume:	sq. ft.	cu. ft.	cu. ft.

Free Liquid Volume Calculations:

		H2O	OIL
Total Free Liquid Volume:	9,033 sq. ft.	2,258.250 cu. ft.	.000 cu. ft.

Estimated Volumes Spilled

	H2O	OIL
Liquid in Soil:	0.0 BBL	0.0 BBL
Free Liquid:	344.2 BBL	0.0 BBL
Totals:	344.184 BBL	0.000 BBL
Total Liquid Spill Liquid:	344.184 BBL	0.000 BBL

Estimated Production Volumes Lost

	H2O	OIL
Estimated Production Spilled:	0.000000 BBL	0.000000 BBL

Estimated Surface Damage

Surface Area: 9,033 sq. ft.

Surface Area: .2074 acre

Recovered Volumes

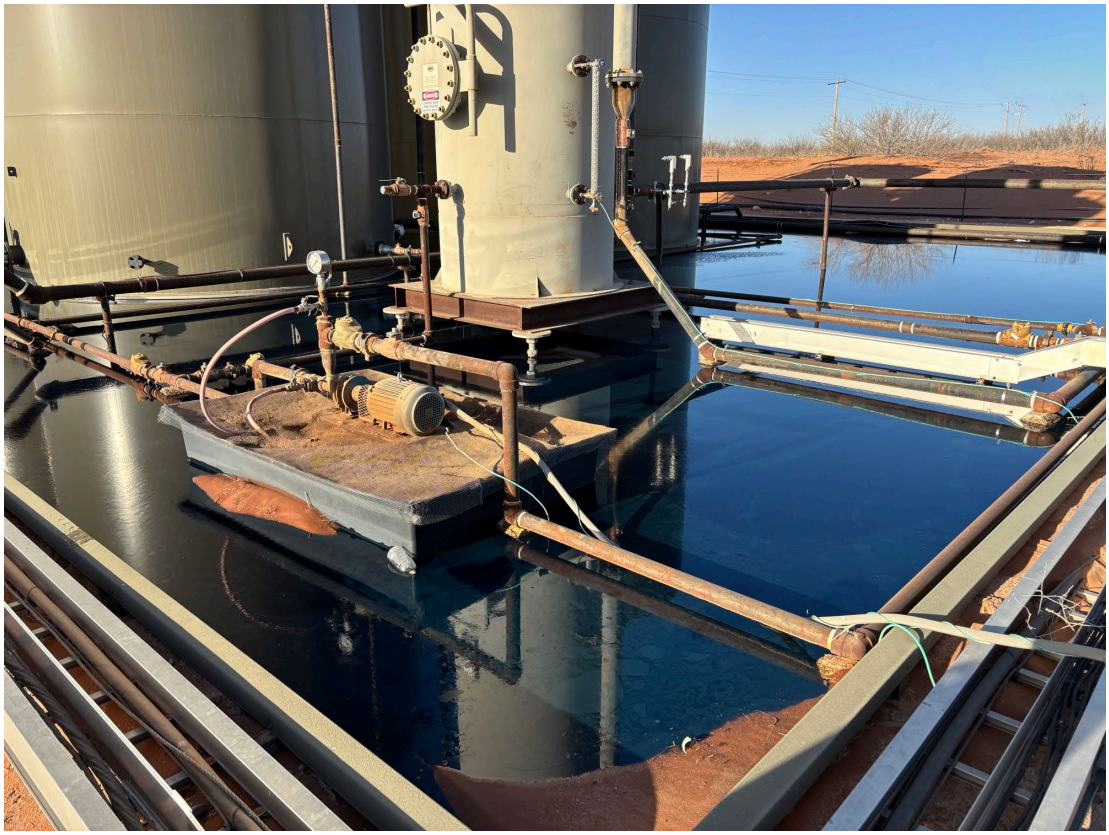
Estimated oil recovered: 0.0 BBL check - okay

Estimated water recovered: 0.0 BBL check - okay

Estimated Weights, and Volumes

		cu.ft.	cu.yds.
Saturated Soil =	lbs		
Total Liquid =	344 BBL	14,455.71 gallon	120,272 lbs

FRANKLIN MOUNTAIN ENERGY
TATANKA FEDERAL COM 4H
LEA, NM



FRANKLIN MOUNTAIN ENERGY
TATANKA FEDERAL COM 4H
LEA, NM

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

Operator: Franklin Mountain Energy LLC 44 Cook Street, Suite 1000 Denver, CO 80206	OGRID: 373910
	Action Number: 444295
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2507941450**
Incident Name	**NAPP2507941450 TATANKA FEDERAL COM 4H CTB @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Received**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Tatanka Federal Com 4H CTB
Date Release Discovered	03/20/2025
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: Corrosion | Fitting | Produced Water | Released: 344 BBL | Recovered: 344 BBL | Lost: 0 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)	The Lease Operator arrived on location this morning and found fluid accumulated inside the lined containment. Further investigation revealed that a 3" carbon steel nipple on a 3" 90° fitting had corroded. The nipple was on a bypass line on the discharge side of the water transfer pump, which allowed fluids from the water tank to drain into the containment area. An estimated 344 barrels produced water was released into the lined containment. The containment was not equipped with a berm kill switch, and an issue with the facility comm's prevented an alarm from being sent. Vac trucks have recovered all fluids from the lined containment and the containment is scheduled to be washed. A liner inspection will be scheduled in the coming days.

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QUESTIONS (continued)

Operator: Franklin Mountain Energy LLC 44 Cook Street, Suite 1000 Denver, CO 80206	OGRID: 373910
	Action Number: 444295
	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: Laci Luig Title: ES&H Specialist Email: DL_PermianEnvironmental@coterra.com Date: 03/20/2025

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QUESTIONS (continued)

Operator: Franklin Mountain Energy LLC 44 Cook Street, Suite 1000 Denver, CO 80206	OGRID: 373910
	Action Number: 444295
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	*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	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	No
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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CONDITIONS

Operator: Franklin Mountain Energy LLC 44 Cook Street, Suite 1000 Denver, CO 80206	OGRID: 373910
	Action Number: 444295
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

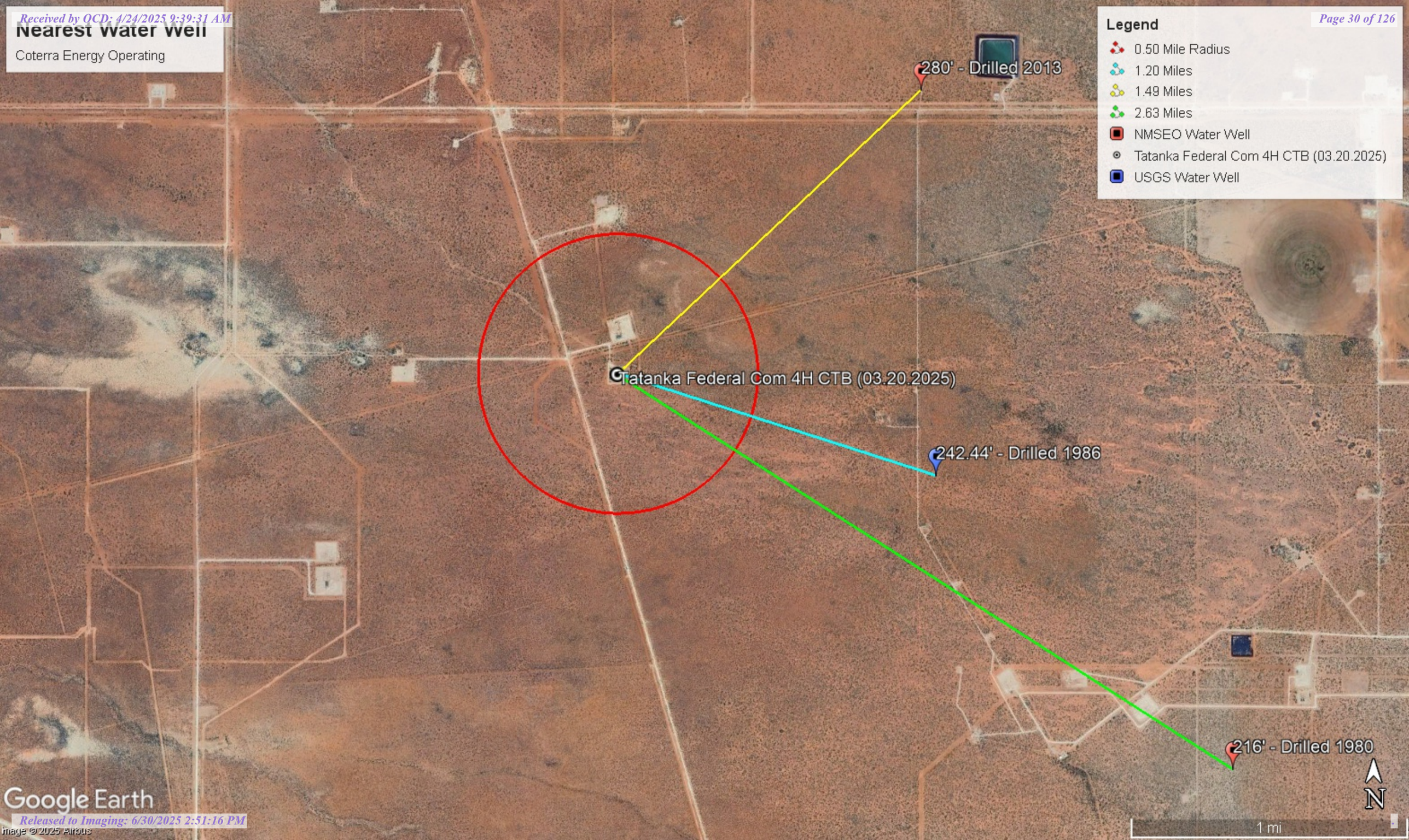
Created By	Condition	Condition Date
nvelez	None	3/20/2025

APPENDIX D

CARMONA RESOURCES

Nearest Water Well

Coterra Energy Operating



Low Karst

Coterra Energy Operating

Legend

Low

Tatanka Federal Com 4H CTB (03.20.2025)

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)

(meters) (In feet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Depth	Depth Water	Water Column
J 00005 POD1		J	LE	NE	NE	NE	13	26S	35E	659200.0	3547174.0 *		1655	601	230	371
J 00001	R	J	LE	NW	NW	SW	18	26S	36E	659416.0	3546374.0 *		2092	550	253	297
J 00001 POD3		J	LE	NW	NW	SW	18	26S	36E	659416.0	3546374.0 *		2092	550	253	297
J 00042 POD1		J	LE	SW	NW	SW	18	26S	36E	659506.6	3546134.1		2288	710	270	440
CP 01170 POD1		CP	LE	SW	SW	SW	06	26S	36E	659281.6	3548984.5		2399	500	280	220
CP 01170 POD1	C	CP	LE	SW	SW	SW	06	26S	36E	659281.6	3548984.5		2399	500	280	220
J 00041 POD1		J	LE	NW	NW	NW	19	26N	36E	659404.2	3545621.4		2515		270	
J 00045 POD1	R	J	LE	SE	SW	SW	18	26S	36E	659721.0	3545837.0		2630	730	270	460
CP 01267 POD1		CP	LE	SW	SE	SW	06	26S	36E	659759.1	3548807.1		2660	585	200	385
J 00002 X2		J	LE		SE	SW	18	26S	36E	659929.0	3545879.0 *		2782	650	214	436
J 00063 POD1		J	LE	SE	NW	NW	19	26S	36E	659644.8	3545270.6		2931	705	268	437
J 00002 X3		J	LE	NE	SW	NW	19	26S	36E	659642.9	3545257.4		2939	710	216	494
J 00043 POD1		J	LE	NW	NW	NE	19	26S	36E	660221.2	3545607.4		3173			
C 03795 POD1		C	LE	SE	SE	SW	24	26S	35E	658419.2	3544221.2		3221	496	250	246
J 00001 POD5		J	LE	NE	SE	NW	19	26S	36E	660099.0	3545187.0		3324		260	
J 00001 POD4		J	LE	NW	SW	NE	19	26S	36E	660244.0	3545180.0 *		3441	640	250	390
J 00001 X		J	LE	NW	SW	NE	19	26S	36E	660244.0	3545180.0 *		3441	640	250	390
CP 01263 POD3		CP	LE	SE	NW	SW	06	26S	36E	660038.4	3549729.4		3460	516	240	276
CP 01351 POD1		CP	LE	SE	SE	SE	06	26S	36E	660854.8	3549021.5		3714	600	267	333
CP 01285 POD1		CP	LE	SE	SW	SW	05	26S	36E	661070.4	3548991.0		3894	511	250	261

Average Depth to Water: **251 feet**

Minimum Depth: **200 feet**

Maximum Depth: **280 feet**

Record Count: 20

UTM Filters (in meters):

Easting: 657551.00

Northing: 3547323.00

Radius: 4000

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

USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

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

Click to hideNews Bulletins

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

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 320245103184201

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

USGS 320245103184201 26S.35E.13.22222

Lea County, New Mexico
Latitude 32°02'45", Longitude 103°18'42" NAD27
Land-surface elevation 2,983 feet above NAVD88
The depth of the well is 601 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1970-12-02		D	62610		2752.95	NGVD29	1	Z			A
1970-12-02		D	62611		2754.37	NAVD88	1	Z			A
1970-12-02		D	72019	228.63			1	Z			A
1976-01-13		D	62610		2737.18	NGVD29	1	Z			A
1976-01-13		D	62611		2738.60	NAVD88	1	Z			A
1976-01-13		D	72019	244.40			1	Z			A
1981-03-19		D	62610		2739.27	NGVD29	1	Z			A
1981-03-19		D	62611		2740.69	NAVD88	1	Z			A
1981-03-19		D	72019	242.31			1	Z			A
1986-03-07		D	62610		2739.14	NGVD29	1	Z			A
1986-03-07		D	62611		2740.56	NAVD88	1	Z			A
1986-03-07		D	72019	242.44			1	Z			A

Explanation

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

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

Accessibility FOIA Privacy Policies and Notices

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

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2025-04-21 09:22:29 EDT
0.39 0.28 nadww02

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

POD NUMBER (WELL NUMBER): CP 1170 - Pod 1 - Expl.
OSE FILE NUMBER(S): CP 1170 (CP-1194)
WELL OWNER NAME(S): Brad Beckham
PHONE (OPTIONAL): 1-575-390-2076
WELL OWNER MAILING ADDRESS: P.O. Box 823
CITY: Tal
STATE: N.M.
ZIP: 88520823

WELL LOCATION (FROM GPS): LATITUDE 32 DEGREES 03 MINUTES 57.2 SECONDS N; LONGITUDE 103 DEGREES 18 MINUTES 45.3 SECONDS W
* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS:

2. OPTIONAL

(2.5 ACRE)	(10 ACRE)	(40 ACRE)	(160 ACRE)	SECTION	TOWNSHIP	RANGE
¼	¼	¼	¼	06	26 ☐ NORTH ☒ SOUTH	36 ☒ EAST ☐ WEST

SUBDIVISION NAME: | LOT NUMBER: 4 | BLOCK NUMBER: | UNIT/TRACT:
HYDROGRAPHIC SURVEY: | MAP NUMBER: | TRACT NUMBER:

3. DRILLING INFORMATION

LICENSE NUMBER: WD 1682
NAME OF LICENSED DRILLER: John Norris
NAME OF WELL DRILLING COMPANY: Sandy Land Valley Co
DRILLING STARTED: 10-21-13
DRILLING ENDED: 11-11-13
DEPTH OF COMPLETED WELL (FT): 500
BORE HOLE DEPTH (FT): 500
DEPTH WATER FIRST ENCOUNTERED (FT): 330
STATIC WATER LEVEL IN COMPLETED WELL (FT): 290
COMPLETED WELL IS: ☐ ARTESIAN ☐ DRY HOLE ☒ SHALLOW (UNCONFINED)
DRILLING FLUID: ☐ AIR ☒ MUD ☐ ADDITIVES – SPECIFY:
DRILLING METHOD: ☒ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:

DEPTH (FT) FROM	DEPTH (FT) TO	BORE HOLE DIA. (IN)	CASING MATERIAL	CONNECTION TYPE (CASING)	INSIDE DIA. CASING (IN)	CASING WALL THICKNESS (IN)	SLOT SIZE (IN)
0	500'	18"	Steel	welded	12"	.250	¼"

4. WATER-BEARING STRATA

DEPTH (FT) FROM	DEPTH (FT) TO	THICKNESS (FT)	FORMATION DESCRIPTION OF PRINCIPAL WATER-BEARING STRATA (INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES)	YIELD (GPM)
330	420	90'	Static water level 290'	
473	495	22'	pumping level 325'	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: Test Pump
TOTAL ESTIMATED WELL YIELD (GPM): 250 Gallons

FOR OSE INTERNAL USE
FILE NUMBER: CP 1170 (CP-1194) POD NUMBER: 1 TRN NUMBER: 533581
LOCATION: EXPL 26S.36E.06.3-3-3
WELL RECORD & LOG (Version 6/9/08) PAGE 1 OF 2

[redacted] [redacted]

5. SEAL AND PUMP

TYPE OF PUMP: ☒ SUBMERSIBLE ☐ JET ☐ NO PUMP – WELL NOT EQUIPPED
☐ TURBINE ☐ CYLINDER ☐ OTHER – SPECIFY:

ANNULAR SEAL AND GRAVEL PACK	DEPTH (FT) FROM	DEPTH (FT) TO	BORE HOLE DIA. (IN)	MATERIAL TYPE AND SIZE	AMOUNT (CUBIC FT)	METHOD OF PLACEMENT
	0	20'	18"	Cement	2½ yds	Pumped

6. GEOLOGIC LOG OF WELL

DEPTH (FT) FROM	DEPTH (FT) TO	THICKNESS (FT)	COLOR AND TYPE OF MATERIAL ENCOUNTERED (INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES)	WATER BEARING?
0	6'	6'	Top Soil	☐ YES ☒ NO
6'	25'	19'	Caliche	☐ YES ☒ NO
25'	58'	33'	Clay	☐ YES ☒ NO
58'	73'	15'	Sand	☐ YES ☒ NO
73'	100'	27'	Clay	☐ YES ☒ NO
100'	190'	90'	Gravel	☐ YES ☒ NO
190'	205'	15'	Clay	☐ YES ☒ NO
205'	260'	55'	Gravel	☐ YES ☒ NO
260'	330'	70'	Clay	☒ YES ☐ NO
330'	420'	90'	Sand & Gravel	☐ YES ☒ NO
420'	445'	25'	Clay	☐ YES ☒ NO
445'	473'	28'	Sand Stone	☒ YES ☐ NO
473'	495'	22'	Gravel	☐ YES ☒ NO
495'	500'	5'	Clay	☐ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO

ATTACH ADDITIONAL PAGES AS NEEDED TO FULLY DESCRIBE THE GEOLOGIC LOG OF THE WELL

7. TEST & ADDITIONAL INFO

WELL TEST: METHOD: ☒ BAILER ☒ PUMP ☐ AIR LIFT ☐ OTHER – SPECIFY:
TEST RESULTS – ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

ADDITIONAL STATEMENTS OR EXPLANATIONS: Static Water Level 260
Fast Bailey Well. Well Yielded 80 Gallons per min
Test Pump Well Well Yielded - 250 Gallons
Static water level 260'
Pumping Level 325'

8. 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 20 DAYS AFTER COMPLETION OF WELL DRILLING:

SIGNATURE OF DRILLER — DATE: 12-9-13

WELL RECORD & LOG (Version 6/9/08)

FOR OSE INTERNAL USE
FILE NUMBER: CP 1170 (CP-1194) POD NUMBER: 1 TRN NUMBER: 533581
LOCATION: EXPL 26S.36E.6.3.3.3 PAGE 2 OF 2

STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER

Scott Verhines, P.E.
State Engineer

DISTRICT II
1900 WEST SECOND STREET
ROSWELL, NEW MEXICO 88201
(575) 622-6521
(575) 623-8559 Fax

Devon Energy
Scott Gregory, dba: GRR, Inc.
1108 W. Pierce Street
Carlsbad, NM 88220

December 18, 2013

Greetings:

Returned herewith are three 72-12-1.3 applications received in this office on November 27, 2013. The three temporary permits were to Use Existing Well CP-1194 renumbered as CP-1170 POD1 as the Point of Diversion for oil well drilling purposes. Permit No. CP-1170 POD1 was approved on November 22, 2013, for the appropriation of 300 acre-feet per annum for purposes which include prospecting, mining or drilling operations. Therefore the 72-12-1.3 applications will not be considered until the full duty of the Water Right under OSE File No. CP-1170 POD 1 has been exercised.

If you are aggrieved by this decision and wish an opportunity to present evidence in support of this application, you may appeal the OSE's decision to the district court of the county in which the well is sited.

The filing fee on the above applications became earned upon receipt and cannot be refunded. If you have any questions, please do not hesitate to contact me at (575) 622-6521 ext. 129

Sincerely,

Deborah Dunaway
Water Rights Division
Water Right Allocation Program

cc: Mike Stapleton

Revised June 1972

SANTA FE

STATE ENGINEER OFFICE

WELL RECORD

Section 1. GENERAL INFORMATION

(A) Owner of well City of Jal, New Mexico Owner's Well No. 4
Street or Post Office Address Drawer 340
City and State Jal, New Mexico

Well was drilled under Permit No. J-2 and is located in the:

a. N.E. ¼ N.E.¼ S.W.¼ N.W.¼ of Section 19 Township 26S Range 36E N.M.P.M.

b. Tract No. _____ of Map No. _____ of the _____

c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in _____ County.

d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in the _____ Grant.

(B) Drilling Contractor Cole Drilling Co. License No. W.D.-663

Address P. O. Box 17728 El Paso, Texas 79917

Drilling Began 9/4/80 Completed 9/8/80 Type tools Rotary Size of hole 25⅛ in.

Elevation of land surface or unknown at well is unknown ft. Total depth of well 710 ft.

Completed well is ☒ shallow ☐ artesian. Depth to water upon completion of well 216 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
227'	531'	304'	Sandy Clay & Streaks of Caliche	300
618'	696'	78'	Sandy Clay & Streaks of Caliche	120

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet Top	Depth in Feet Bottom	Length (feet)	Type of Shoe	Perforations From	Perforations To
14"I.D.	47.36	5/16W	+4'	474'	470'	NONE	BLANK	
14"I.D.	47.36	5/16W	474'	700'	226'	NONE	474'	700'
14"I.D.	47.36	5/16W	700'	710'	10'	Steel Plug	BLANK	

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement
0'	35'	32"		108	Gravity
35'	710'	26'	18	NONE	To Drill 26" Hole

'81 JUN 12 PM 1 30
STATE ENGINEER
SANTA FE, N.M.

Section 5. PLUGGING RECORD

Plugging Contractor _____
Address _____
Plugging Method _____
Date Well Plugged _____
Plugging approved by: _____
State Engineer Representative

No.	Depth in Feet Top	Depth in Feet Bottom	Cubic Feet of Cement
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received October 27, 1980

Quad _____ FWL _____ FSL _____

File No. J-2 -X-3 Use MUN. Location No. 26.36.19.1322

Section 6. LOG OF HOLE

Depth in Feet From	Depth in Feet To	Thickness in Feet	Color and Type of Material Encountered
0'	10'	10'	Top Soil
10'	20'	10'	Caliche & Sandy Clay
20'	30'	10'	Sandy Clay some Caliche
30'	62'	32'	Red Sand some Clay little Caliche
62'	83'	21'	Light Sand some Clay (Sand Fine)
83'	206'	123'	Sandy Clay Reddish Brown Color, some Streaks of Caliche.
206'	227'	21'	Sand, Sandy Clay--Drill Fast
227'	248'	21'	Sandy Clay, Streaks of Caliche
248'	531'	283'	Sand, Streaks of Clay & Caliche
531'	618'	87'	Caliche (hard) some Streaks of Sand
618'	696'	78'	Sandy Clay, Streaks of Sand & some Caliche
696'	710'	114'	Red Clay
710'	728'	18'	Hard Red Clay (dry)

Section 7. REMARKS AND ADDITIONAL INFORMATION

Perforations in Casing .065'---Roscoe Moss Company

Gravel 1.5 to 1.7mm with Coefficient 1.1 to 1.3
Furnished by Fountain Sand and Gravel

Gravel Pack from +2' to 710' (96 Cubic Yds.)

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

James M Cole
Driller

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1(a) and Section 5 need be completed.

ROUTING SLIP

To: Field Supervisor (Basin) or (County) Jal

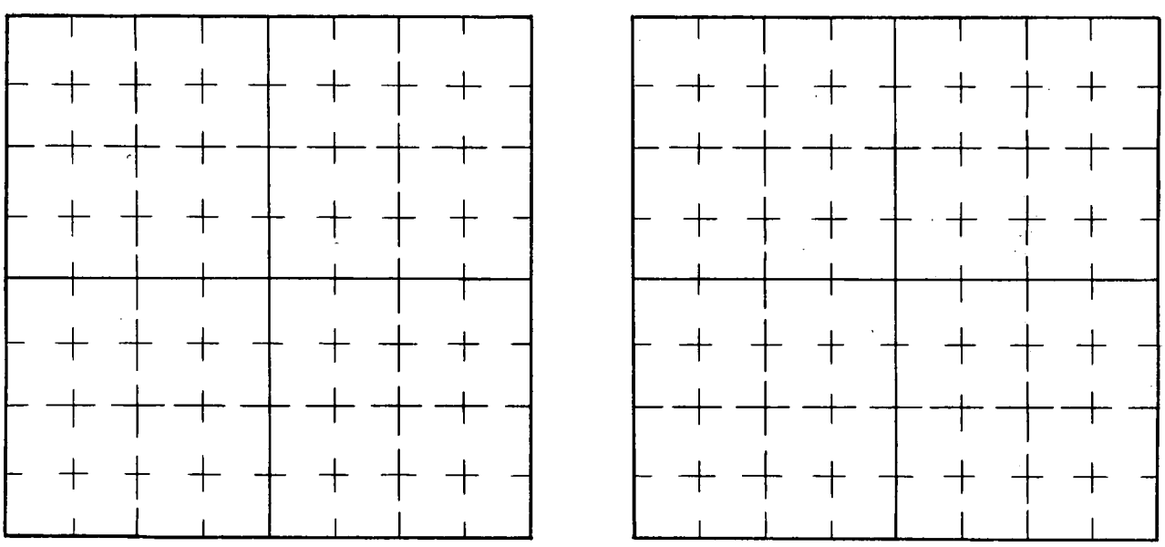
From: _____ Applicant City of Jal

Land Location _____

Field Check Requested For the Following Reasons Date: 10-27-80

Proof of Completion of Works..... ☐
Proof of Beneficial Use..... ☐
Declaration..... ☐
Extension of Time..... ☐
Illegal Irrigation..... ☐
Supplemental Well..... ☐
Leakage Test..... ☐
Cementing (water-oil)..... ☐
Reduction from Irr. or Dom. ..... ☐
Pressure Test..... ☐
Inspect Casing..... ☐
Others WELL RECORD ..... ☒

Sec. _____ T. _____ R. _____ Sec. _____ T. _____ R. _____



Old Well (plugged-retained-reduced)

REMARKS: ~~PERMIT FOR Center SW¼NE¼ 13-26-35~~

Need 5 point location and see if well drilled in permitted area

✓ JAL CITY HALL - HOW TO GET TO WELL SITE

Date: _____ By: _____

File No. J-2 - X - 3 Location No. ~~26-35-13.23~~

J-2-X-3 @ 26.36.19.1322 Topo 120.3.4

WR-36

FIELD REPORT FOR CEMENTING OF WELLS

Name of Applicant _____

Name of Well _____

Driller's Name _____

Drilling Method _____

CASING DATA:
Surface _____ feet of _____ inch. Grade _____

Inspected by _____ on _____

(Approved)(Rejected) _____

Water string _____ feet of _____ inch. Grade _____

Inspected by _____ on _____

(Approved)(Rejected) _____

Oil string _____ feet of _____ inch. Grade _____

Inspected by _____ on _____

(Approved)(Rejected) _____

CEMENTING PROGRAM:
Cemented by _____ Supervised by _____

Type of shoe used _____ Float collar used _____

Bottom three joints welded _____ Cement: around shoe _____ sks. _____

around casing _____ sks. _____ Additives _____

_____ _____ _____

Size of hole _____ Size of casing _____ sks. of cement required ____

Plug pumped down _____ (a.m.)(p.m.) _____

Cement circulated _____ No. of sacks _____

Temp. survey ran _____ (a.m.)(p.m.) _____ Cement at _____ feet

Temp. survey ran _____ (a.m.)(p.m.) _____ Cement at _____ feet

Checked for shut off _____ (a.m.) (p.m.) _____

Method used _____ Supervised by _____

Checked for shut off _____ (a.m.) (p.m.) _____

Method used _____ Supervised by _____

REMARKS: _____

_____

_____

_____

_____

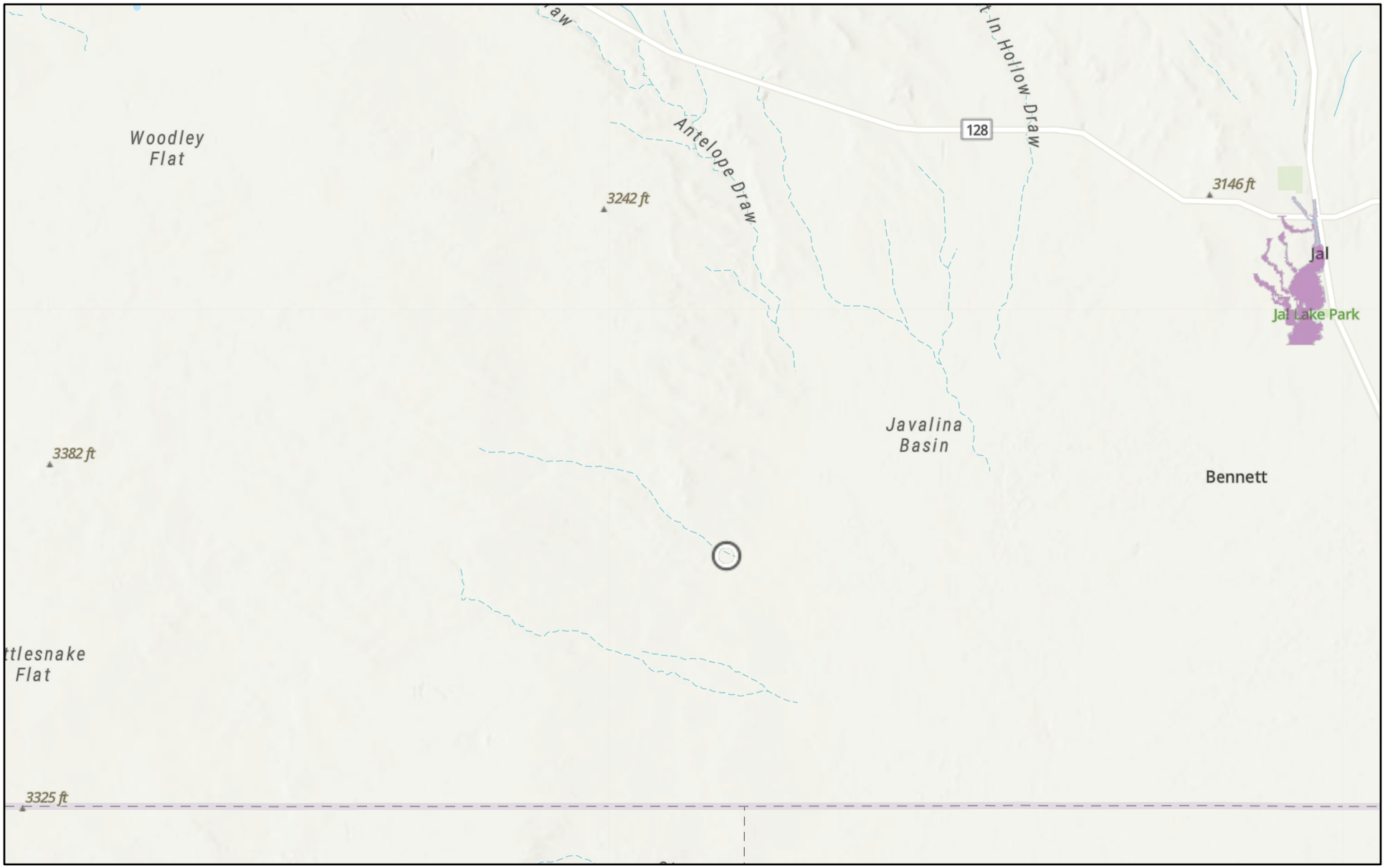
_____

_____

Job approved by _____

File No. _____ Location No. _____

Tatanka Federal Com 4H CTB (03.20.2025)



4/21/2025

USA Flood Hazard Areas

0.2% Annual Chance Flood Hazard

1% Annual Chance Flood Hazard

Regulatory Floodway

World_Hillshade

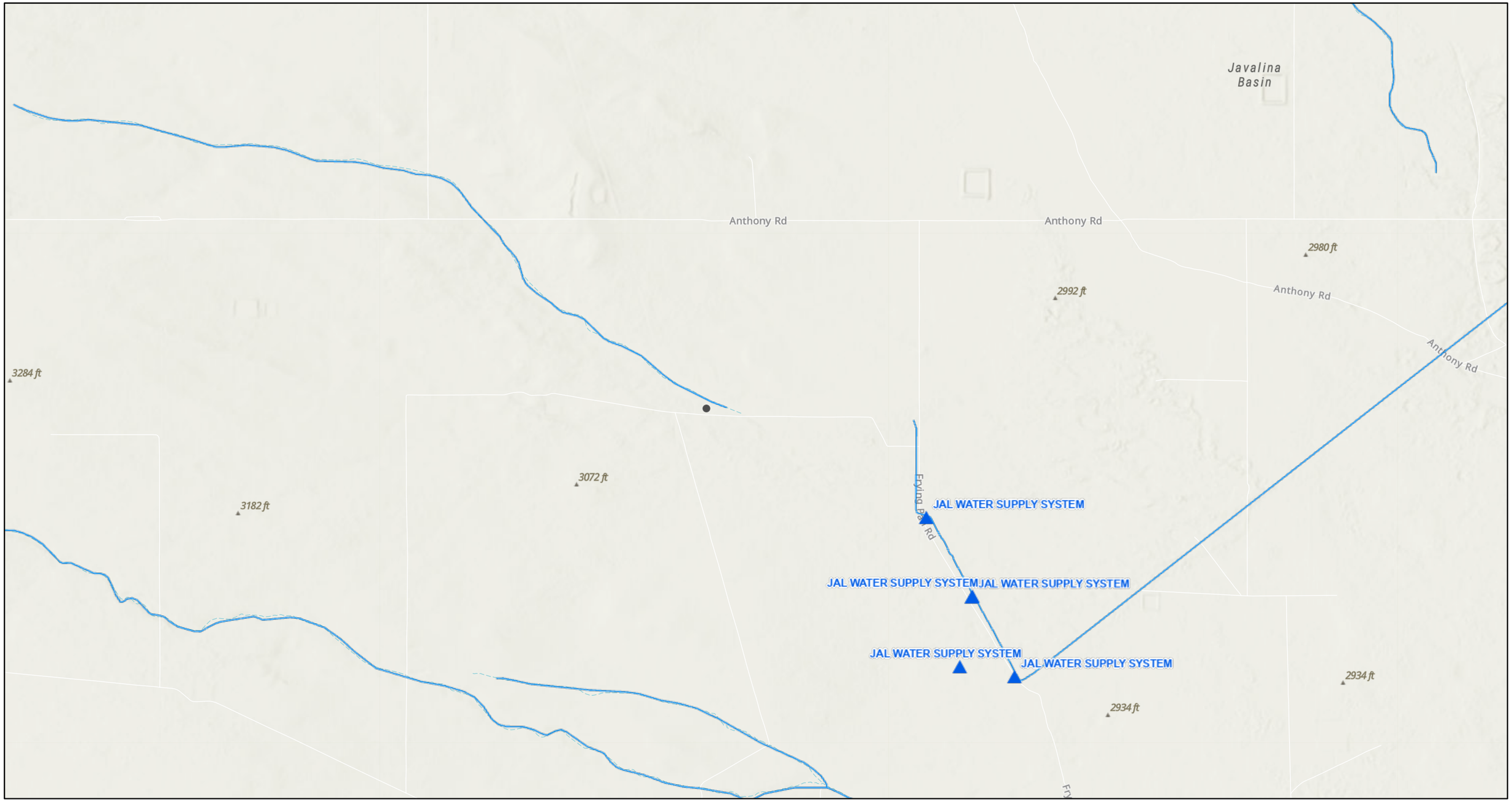
1:144,448

0 1 2 4 mi

0 1.5 3 6 km

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

Tatanka Federal Com 4H CTB (03.20.2025)



4/21/2025, 8:13:36 AM

OSE Streams

NMED Drinking Water Systems

1:36,112

0 0.38 0.75 1.5 mi

0 0.5 1 2 km

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/17/2025 4:29:40 PM

JOB DESCRIPTION

Tatanka Federal Com 4H CTB
Lea County, New Mexico

JOB NUMBER

880-56945-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

my EOL

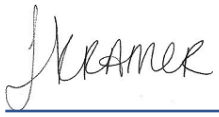
Eurofins Midland

Job Notes

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

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

Authorization



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4/17/2025 4:29:40 PM

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

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Laboratory Job ID: 880-56945-1
SDG: Lea County, New Mexico

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56945-1
SDG: Lea 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
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Tatanka Federal Com 4H CTB

Job ID: 880-56945-1

Job ID: 880-56945-1 Eurofins Midland

Job Narrative
880-56945-1

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 4/15/2025 4:36 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 4.5°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: BH-1 (0-0.5') (880-56945-1), BH-1 (1.0') (880-56945-2), BH-1 (2.0') (880-56945-3), BH-1 (3.0') (880-56945-4), BH-2 (0-0.5') (880-56945-5), BH-2 (1.0') (880-56945-6), BH-2 (2.0') (880-56945-7), BH-2 (3.0') (880-56945-8), BH-3 (0-0.5') (880-56945-9), BH-3 (1.0') (880-56945-10), BH-3 (2.0') (880-56945-11), BH-3 (3.0') (880-56945-12), BH-3 (4.0') (880-56945-13), BH-4 (0-0.5') (880-56945-14), BH-4 (1.0') (880-56945-15), BH-4 (2.0') (880-56945-16), BH-4 (3.0') (880-56945-17), BH-4 (4.0') (880-56945-18) and BH-4 (5.0') (880-56945-19).

GC VOA
Method 8021B: The matrix spike (MS) recoveries for preparation batch 880-107795 and analytical batch 880-107885 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was 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: Surrogate recovery for the following samples were outside control limits: BH-1 (1.0') (880-56945-2), BH-2 (2.0') (880-56945-7), (LCS 880-107817/2-A), (880-56944-A-7-B), (880-56944-A-7-C MS) and (880-56944-A-7-D MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: BH-1 (0-0.5') (880-56945-1), BH-1 (2.0') (880-56945-3), BH-1 (3.0') (880-56945-4), BH-2 (0-0.5') (880-56945-5) and (LCSD 880-107817/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The method blank for preparation batch 880-107818 and analytical batch 880-107856 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-107818/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: BH-3 (0-0.5') (880-56945-9), BH-3 (1.0') (880-56945-10), BH-3 (2.0') (880-56945-11), BH-3 (3.0') (880-56945-12), BH-3 (4.0') (880-56945-13), BH-4 (0-0.5') (880-56945-14), BH-4 (1.0') (880-56945-15), BH-4 (2.0') (880-56945-16), BH-4 (3.0') (880-56945-17), BH-4 (4.0') (880-56945-18), BH-4 (5.0') (880-56945-19), (880-56945-A-9-D MS) and (880-56945-A-9-E MSD). Evidence of matrix interferences is not obvious.

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

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

Case Narrative

Client: Carmona Resources
Job ID: 880-56945-1
Project: Tatanka Federal Com 4H CTB

Job ID: 880-56945-1 (Continued)

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56945-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-56945-1
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

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		04/15/25 16:59	04/16/25 16:34	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/15/25 16:59	04/16/25 16:34	1
Ethylbenzene	<0.00202	U F1	0.00202		mg/Kg		04/15/25 16:59	04/16/25 16:34	1
m-Xylene & p-Xylene	<0.00403	U F1	0.00403		mg/Kg		04/15/25 16:59	04/16/25 16:34	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/15/25 16:59	04/16/25 16:34	1
Xylenes, Total	<0.00403	U F1	0.00403		mg/Kg		04/15/25 16:59	04/16/25 16:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*04/15/25 16:59*	*04/16/25 16:34*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*04/15/25 16:59*	*04/16/25 16:34*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			04/16/25 16:34	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			04/16/25 22:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		04/16/25 08:26	04/16/25 22:01	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		04/16/25 08:26	04/16/25 22:01	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		04/16/25 08:26	04/16/25 22:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*140*	*S1+*	*70 - 130*	*04/16/25 08:26*	*04/16/25 22:01*	*1*
o-Terphenyl	*141*	*S1+*	*70 - 130*	*04/16/25 08:26*	*04/16/25 22:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**788**		10.0		mg/Kg			04/16/25 16:51	1

Client Sample ID: BH-1 (1.0')

Lab Sample ID: 880-56945-2
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

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		04/15/25 16:59	04/16/25 16:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/15/25 16:59	04/16/25 16:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/15/25 16:59	04/16/25 16:54	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/15/25 16:59	04/16/25 16:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/15/25 16:59	04/16/25 16:54	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/15/25 16:59	04/16/25 16:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*04/15/25 16:59*	*04/16/25 16:54*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*04/15/25 16:59*	*04/16/25 16:54*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56945-1
SDG: Lea County, New Mexico

Client Sample ID: BH-1 (1.0')

Lab Sample ID: 880-56945-2
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

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			04/16/25 16:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			04/16/25 22:16	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	<49.6	U	49.6		mg/Kg		04/16/25 08:26	04/16/25 22:16	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		04/16/25 08:26	04/16/25 22:16	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		04/16/25 08:26	04/16/25 22:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*133*	*S1+*	*70 - 130*	*04/16/25 08:26*	*04/16/25 22:16*	*1*
o-Terphenyl	*130*		*70 - 130*	*04/16/25 08:26*	*04/16/25 22:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**153**		9.94		mg/Kg			04/16/25 17:07	1

Client Sample ID: BH-1 (2.0')

Lab Sample ID: 880-56945-3
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

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		04/15/25 16:59	04/16/25 17:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/15/25 16:59	04/16/25 17:15	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/15/25 16:59	04/16/25 17:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/15/25 16:59	04/16/25 17:15	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/15/25 16:59	04/16/25 17:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/15/25 16:59	04/16/25 17:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*04/15/25 16:59*	*04/16/25 17:15*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*04/15/25 16:59*	*04/16/25 17:15*	*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			04/16/25 17:15	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			04/16/25 22:31	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		04/16/25 08:26	04/16/25 22:31	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/16/25 08:26	04/16/25 22:31	1

Client Sample Results

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56945-1
SDG: Lea County, New Mexico

Client Sample ID: BH-1 (2.0')

Lab Sample ID: 880-56945-3
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

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		04/16/25 08:26	04/16/25 22:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*136*	*S1+*	*70 - 130*	*04/16/25 08:26*	*04/16/25 22:31*	*1*
o-Terphenyl	*135*	*S1+*	*70 - 130*	*04/16/25 08:26*	*04/16/25 22:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**202**		9.96		mg/Kg			04/16/25 17:12	1

Client Sample ID: BH-1 (3.0')

Lab Sample ID: 880-56945-4
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

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		04/15/25 16:59	04/16/25 17:35	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/15/25 16:59	04/16/25 17:35	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/15/25 16:59	04/16/25 17:35	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/15/25 16:59	04/16/25 17:35	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/15/25 16:59	04/16/25 17:35	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/15/25 16:59	04/16/25 17:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*04/15/25 16:59*	*04/16/25 17:35*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*04/15/25 16:59*	*04/16/25 17:35*	*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			04/16/25 17:35	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			04/16/25 22:46	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	<50.3	U	50.3		mg/Kg		04/16/25 08:26	04/16/25 22:46	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		04/16/25 08:26	04/16/25 22:46	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		04/16/25 08:26	04/16/25 22:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*134*	*S1+*	*70 - 130*	*04/16/25 08:26*	*04/16/25 22:46*	*1*
o-Terphenyl	*133*	*S1+*	*70 - 130*	*04/16/25 08:26*	*04/16/25 22:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**109**		9.98		mg/Kg			04/16/25 17:28	1

Client Sample Results

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56945-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-56945-5
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

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		04/15/25 16:59	04/16/25 17:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/15/25 16:59	04/16/25 17:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/15/25 16:59	04/16/25 17:56	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/15/25 16:59	04/16/25 17:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/15/25 16:59	04/16/25 17:56	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/15/25 16:59	04/16/25 17:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*04/15/25 16:59*	*04/16/25 17:56*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*04/15/25 16:59*	*04/16/25 17:56*	*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			04/16/25 17:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			04/16/25 23:00	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	<49.6	U	49.6		mg/Kg		04/16/25 08:26	04/16/25 23:00	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		04/16/25 08:26	04/16/25 23:00	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		04/16/25 08:26	04/16/25 23:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*134*	*S1+*	*70 - 130*	*04/16/25 08:26*	*04/16/25 23:00*	*1*
o-Terphenyl	*136*	*S1+*	*70 - 130*	*04/16/25 08:26*	*04/16/25 23:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**273**		10.0		mg/Kg			04/16/25 17:33	1

Client Sample ID: BH-2 (1.0')

Lab Sample ID: 880-56945-6
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

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		04/15/25 16:59	04/16/25 18:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/15/25 16:59	04/16/25 18:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/15/25 16:59	04/16/25 18:16	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/15/25 16:59	04/16/25 18:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/15/25 16:59	04/16/25 18:16	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/15/25 16:59	04/16/25 18:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*04/15/25 16:59*	*04/16/25 18:16*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*04/15/25 16:59*	*04/16/25 18:16*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56945-1
SDG: Lea County, New Mexico

Client Sample ID: BH-2 (1.0')

Lab Sample ID: 880-56945-6
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

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			04/16/25 18:16	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			04/16/25 23:15	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	<50.0	U	50.0		mg/Kg		04/16/25 08:26	04/16/25 23:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/16/25 08:26	04/16/25 23:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/16/25 08:26	04/16/25 23:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*125*		*70 - 130*	*04/16/25 08:26*	*04/16/25 23:15*	*1*
o-Terphenyl	*123*		*70 - 130*	*04/16/25 08:26*	*04/16/25 23:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**213**		10.0		mg/Kg			04/16/25 17:38	1

Client Sample ID: BH-2 (2.0')

Lab Sample ID: 880-56945-7
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

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		04/15/25 16:59	04/16/25 18:37	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/15/25 16:59	04/16/25 18:37	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/15/25 16:59	04/16/25 18:37	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		04/15/25 16:59	04/16/25 18:37	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/15/25 16:59	04/16/25 18:37	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/15/25 16:59	04/16/25 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*04/15/25 16:59*	*04/16/25 18:37*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*04/15/25 16:59*	*04/16/25 18:37*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			04/16/25 18:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			04/16/25 23:30	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	<50.4	U	50.4		mg/Kg		04/16/25 08:26	04/16/25 23:30	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		04/16/25 08:26	04/16/25 23:30	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56945-1
SDG: Lea County, New Mexico

Client Sample ID: BH-2 (2.0')

Lab Sample ID: 880-56945-7
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

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)	<50.4	U	50.4		mg/Kg		04/16/25 08:26	04/16/25 23:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*131*	*S1+*	*70 - 130*	*04/16/25 08:26*	*04/16/25 23:30*	*1*
o-Terphenyl	*129*		*70 - 130*	*04/16/25 08:26*	*04/16/25 23:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**117**		10.1		mg/Kg			04/16/25 17:43	1

Client Sample ID: BH-2 (3.0')

Lab Sample ID: 880-56945-8
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

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		04/15/25 16:59	04/16/25 18:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/15/25 16:59	04/16/25 18:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/15/25 16:59	04/16/25 18:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/15/25 16:59	04/16/25 18:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/15/25 16:59	04/16/25 18:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/15/25 16:59	04/16/25 18:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*04/15/25 16:59*	*04/16/25 18:57*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*04/15/25 16:59*	*04/16/25 18:57*	*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			04/16/25 18:57	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			04/16/25 23:59	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	<49.7	U	49.7		mg/Kg		04/16/25 08:26	04/16/25 23:59	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		04/16/25 08:26	04/16/25 23:59	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		04/16/25 08:26	04/16/25 23:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*128*		*70 - 130*	*04/16/25 08:26*	*04/16/25 23:59*	*1*
o-Terphenyl	*130*		*70 - 130*	*04/16/25 08:26*	*04/16/25 23:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**245**		10.1		mg/Kg			04/16/25 17:48	1

Client Sample Results

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56945-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-56945-9
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

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		04/15/25 16:59	04/16/25 19:17	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/15/25 16:59	04/16/25 19:17	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/15/25 16:59	04/16/25 19:17	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/15/25 16:59	04/16/25 19:17	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/15/25 16:59	04/16/25 19:17	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/15/25 16:59	04/16/25 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*04/15/25 16:59*	*04/16/25 19:17*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*04/15/25 16:59*	*04/16/25 19:17*	*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			04/16/25 19:17	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			04/16/25 20:45	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	<50.3	U	50.3		mg/Kg		04/16/25 08:30	04/16/25 20:45	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		04/16/25 08:30	04/16/25 20:45	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		04/16/25 08:30	04/16/25 20:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*139*	*S1+*	*70 - 130*	*04/16/25 08:30*	*04/16/25 20:45*	*1*
o-Terphenyl	*141*	*S1+*	*70 - 130*	*04/16/25 08:30*	*04/16/25 20:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**831**		9.94		mg/Kg			04/16/25 17:53	1

Client Sample ID: BH-3 (1.0')

Lab Sample ID: 880-56945-10
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

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		04/15/25 16:59	04/16/25 19:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/15/25 16:59	04/16/25 19:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/15/25 16:59	04/16/25 19:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/15/25 16:59	04/16/25 19:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/15/25 16:59	04/16/25 19:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/15/25 16:59	04/16/25 19:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*04/15/25 16:59*	*04/16/25 19:38*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*04/15/25 16:59*	*04/16/25 19:38*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56945-1
SDG: Lea County, New Mexico

Client Sample ID: BH-3 (1.0')

Lab Sample ID: 880-56945-10
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

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			04/16/25 19:38	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			04/16/25 21:29	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	<49.7	U	49.7		mg/Kg		04/16/25 08:30	04/16/25 21:29	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		04/16/25 08:30	04/16/25 21:29	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		04/16/25 08:30	04/16/25 21:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*144*	*S1+*	*70 - 130*	*04/16/25 08:30*	*04/16/25 21:29*	*1*
o-Terphenyl	*147*	*S1+*	*70 - 130*	*04/16/25 08:30*	*04/16/25 21:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5850**		99.8		mg/Kg			04/16/25 17:58	10

Client Sample ID: BH-3 (2.0')

Lab Sample ID: 880-56945-11
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

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		04/15/25 16:59	04/16/25 21:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/15/25 16:59	04/16/25 21:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/15/25 16:59	04/16/25 21:11	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/15/25 16:59	04/16/25 21:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/15/25 16:59	04/16/25 21:11	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/15/25 16:59	04/16/25 21:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*04/15/25 16:59*	*04/16/25 21:11*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*04/15/25 16:59*	*04/16/25 21:11*	*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			04/16/25 21:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			04/16/25 21:46	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	<49.6	U	49.6		mg/Kg		04/16/25 08:30	04/16/25 21:46	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		04/16/25 08:30	04/16/25 21:46	1

Client Sample Results

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56945-1
SDG: Lea County, New Mexico

Client Sample ID: BH-3 (2.0')

Lab Sample ID: 880-56945-11
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

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)	<49.6	U	49.6		mg/Kg		04/16/25 08:30	04/16/25 21:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*132*	*S1+*	*70 - 130*	*04/16/25 08:30*	*04/16/25 21:46*	*1*
o-Terphenyl	*134*	*S1+*	*70 - 130*	*04/16/25 08:30*	*04/16/25 21:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**347**		9.92		mg/Kg			04/16/25 19:50	1

Client Sample ID: BH-3 (3.0')

Lab Sample ID: 880-56945-12
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

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		04/15/25 16:59	04/16/25 21:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/15/25 16:59	04/16/25 21:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/15/25 16:59	04/16/25 21:32	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/15/25 16:59	04/16/25 21:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/15/25 16:59	04/16/25 21:32	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/15/25 16:59	04/16/25 21:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*04/15/25 16:59*	*04/16/25 21:32*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*04/15/25 16:59*	*04/16/25 21:32*	*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			04/16/25 21:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			04/16/25 22:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		04/16/25 08:30	04/16/25 22:01	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		04/16/25 08:30	04/16/25 22:01	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		04/16/25 08:30	04/16/25 22:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*134*	*S1+*	*70 - 130*	*04/16/25 08:30*	*04/16/25 22:01*	*1*
o-Terphenyl	*135*	*S1+*	*70 - 130*	*04/16/25 08:30*	*04/16/25 22:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**163**		9.94		mg/Kg			04/16/25 20:07	1

Client Sample Results

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56945-1
SDG: Lea County, New Mexico

Client Sample ID: BH-3 (4.0')

Lab Sample ID: 880-56945-13
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

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		04/15/25 16:59	04/16/25 21:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/15/25 16:59	04/16/25 21:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/15/25 16:59	04/16/25 21:52	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/15/25 16:59	04/16/25 21:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/15/25 16:59	04/16/25 21:52	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/15/25 16:59	04/16/25 21:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*04/15/25 16:59*	*04/16/25 21:52*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*04/15/25 16:59*	*04/16/25 21:52*	*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			04/16/25 21:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			04/16/25 22:16	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	<49.7	U	49.7		mg/Kg		04/16/25 08:30	04/16/25 22:16	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		04/16/25 08:30	04/16/25 22:16	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		04/16/25 08:30	04/16/25 22:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*134*	*S1+*	*70 - 130*	*04/16/25 08:30*	*04/16/25 22:16*	*1*
o-Terphenyl	*135*	*S1+*	*70 - 130*	*04/16/25 08:30*	*04/16/25 22:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**121**		9.92		mg/Kg			04/16/25 20:13	1

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

Lab Sample ID: 880-56945-14
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

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		04/15/25 16:59	04/16/25 22:12	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/15/25 16:59	04/16/25 22:12	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/15/25 16:59	04/16/25 22:12	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		04/15/25 16:59	04/16/25 22:12	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/15/25 16:59	04/16/25 22:12	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/15/25 16:59	04/16/25 22:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*04/15/25 16:59*	*04/16/25 22:12*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*04/15/25 16:59*	*04/16/25 22:12*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56945-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-56945-14
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			04/16/25 22:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			04/16/25 22:31	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	<50.4	U	50.4		mg/Kg		04/16/25 08:30	04/16/25 22:31	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		04/16/25 08:30	04/16/25 22:31	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		04/16/25 08:30	04/16/25 22:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*135*	*S1+*	*70 - 130*	*04/16/25 08:30*	*04/16/25 22:31*	*1*
o-Terphenyl	*138*	*S1+*	*70 - 130*	*04/16/25 08:30*	*04/16/25 22:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**341**		9.96		mg/Kg			04/16/25 20:19	1

Client Sample ID: BH-4 (1.0')

Lab Sample ID: 880-56945-15
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

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		04/15/25 16:59	04/16/25 22:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/15/25 16:59	04/16/25 22:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/15/25 16:59	04/16/25 22:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/15/25 16:59	04/16/25 22:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/15/25 16:59	04/16/25 22:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/15/25 16:59	04/16/25 22:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*04/15/25 16:59*	*04/16/25 22:33*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*04/15/25 16:59*	*04/16/25 22:33*	*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			04/16/25 22:33	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			04/16/25 22:46	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	<49.8	U	49.8		mg/Kg		04/16/25 08:30	04/16/25 22:46	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/16/25 08:30	04/16/25 22:46	1

Client Sample Results

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56945-1
SDG: Lea County, New Mexico

Client Sample ID: BH-4 (1.0')

Lab Sample ID: 880-56945-15
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

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		04/16/25 08:30	04/16/25 22:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*141*	*S1+*	*70 - 130*	*04/16/25 08:30*	*04/16/25 22:46*	*1*
o-Terphenyl	*141*	*S1+*	*70 - 130*	*04/16/25 08:30*	*04/16/25 22:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**997**		9.94		mg/Kg			04/16/25 20:25	1

Client Sample ID: BH-4 (2.0')

Lab Sample ID: 880-56945-16
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

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		04/15/25 16:59	04/16/25 22:53	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/15/25 16:59	04/16/25 22:53	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/15/25 16:59	04/16/25 22:53	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/15/25 16:59	04/16/25 22:53	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/15/25 16:59	04/16/25 22:53	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/15/25 16:59	04/16/25 22:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*04/15/25 16:59*	*04/16/25 22:53*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*04/15/25 16:59*	*04/16/25 22:53*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/16/25 22:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/16/25 23:00	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	<49.9	U	49.9		mg/Kg		04/16/25 08:30	04/16/25 23:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/16/25 08:30	04/16/25 23:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/16/25 08:30	04/16/25 23:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*137*	*S1+*	*70 - 130*	*04/16/25 08:30*	*04/16/25 23:00*	*1*
o-Terphenyl	*137*	*S1+*	*70 - 130*	*04/16/25 08:30*	*04/16/25 23:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1630**		49.6		mg/Kg			04/17/25 09:08	5

Client Sample Results

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56945-1
SDG: Lea County, New Mexico

Client Sample ID: BH-4 (3.0')

Lab Sample ID: 880-56945-17
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

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		04/15/25 16:59	04/16/25 23:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/15/25 16:59	04/16/25 23:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/15/25 16:59	04/16/25 23:14	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/15/25 16:59	04/16/25 23:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/15/25 16:59	04/16/25 23:14	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/15/25 16:59	04/16/25 23:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*04/15/25 16:59*	*04/16/25 23:14*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*04/15/25 16:59*	*04/16/25 23:14*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			04/16/25 23:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			04/16/25 23:15	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	<50.3	U	50.3		mg/Kg		04/16/25 08:30	04/16/25 23:15	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		04/16/25 08:30	04/16/25 23:15	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		04/16/25 08:30	04/16/25 23:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*133*	*S1+*	*70 - 130*	*04/16/25 08:30*	*04/16/25 23:15*	*1*
o-Terphenyl	*133*	*S1+*	*70 - 130*	*04/16/25 08:30*	*04/16/25 23:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**360**		10.0		mg/Kg			04/16/25 20:48	1

Client Sample ID: BH-4 (4.0')

Lab Sample ID: 880-56945-18
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

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		04/15/25 16:59	04/16/25 23:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/15/25 16:59	04/16/25 23:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/15/25 16:59	04/16/25 23:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/15/25 16:59	04/16/25 23:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/15/25 16:59	04/16/25 23:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/15/25 16:59	04/16/25 23:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*04/15/25 16:59*	*04/16/25 23:34*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*04/15/25 16:59*	*04/16/25 23:34*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56945-1
SDG: Lea County, New Mexico

Client Sample ID: BH-4 (4.0')

Lab Sample ID: 880-56945-18
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

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			04/16/25 23:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			04/16/25 23:30	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	<49.6	U	49.6		mg/Kg		04/16/25 08:30	04/16/25 23:30	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		04/16/25 08:30	04/16/25 23:30	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		04/16/25 08:30	04/16/25 23:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*132*	*S1+*	*70 - 130*	*04/16/25 08:30*	*04/16/25 23:30*	*1*
o-Terphenyl	*132*	*S1+*	*70 - 130*	*04/16/25 08:30*	*04/16/25 23:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**168**		9.96		mg/Kg			04/16/25 20:53	1

Client Sample ID: BH-4 (5.0')

Lab Sample ID: 880-56945-19
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

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		04/15/25 16:59	04/16/25 23:54	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/15/25 16:59	04/16/25 23:54	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/15/25 16:59	04/16/25 23:54	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/15/25 16:59	04/16/25 23:54	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/15/25 16:59	04/16/25 23:54	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/15/25 16:59	04/16/25 23:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*04/15/25 16:59*	*04/16/25 23:54*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*04/15/25 16:59*	*04/16/25 23:54*	*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			04/16/25 23:54	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			04/16/25 23:59	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	<50.3	U	50.3		mg/Kg		04/16/25 08:30	04/16/25 23:59	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		04/16/25 08:30	04/16/25 23:59	1

Client Sample Results

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56945-1
SDG: Lea County, New Mexico

Client Sample ID: BH-4 (5.0')
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

Lab Sample ID: 880-56945-19
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)	<50.3	U	50.3		mg/Kg		04/16/25 08:30	04/16/25 23:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*131*	*S1+*	*70 - 130*	*04/16/25 08:30*	*04/16/25 23:59*	*1*
o-Terphenyl	*142*	*S1+*	*70 - 130*	*04/16/25 08:30*	*04/16/25 23:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**150**		9.98		mg/Kg			04/16/25 20:59	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56945-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-56945-1	BH-1 (0-0.5')	100	96
880-56945-1 MS	BH-1 (0-0.5')	110	98
880-56945-1 MSD	BH-1 (0-0.5')	103	98
880-56945-2	BH-1 (1.0')	99	92
880-56945-3	BH-1 (2.0')	101	94
880-56945-4	BH-1 (3.0')	103	86
880-56945-5	BH-2 (0-0.5')	101	92
880-56945-6	BH-2 (1.0')	100	90
880-56945-7	BH-2 (2.0')	108	91
880-56945-8	BH-2 (3.0')	99	91
880-56945-9	BH-3 (0-0.5')	106	95
880-56945-10	BH-3 (1.0')	104	92
880-56945-11	BH-3 (2.0')	105	90
880-56945-12	BH-3 (3.0')	101	92
880-56945-13	BH-3 (4.0')	105	95
880-56945-14	BH-4 (0-0.5')	105	88
880-56945-15	BH-4 (1.0')	103	88
880-56945-16	BH-4 (2.0')	107	89
880-56945-17	BH-4 (3.0')	101	94
880-56945-18	BH-4 (4.0')	109	90
880-56945-19	BH-4 (5.0')	103	90
LCS 880-107795/1-A	Lab Control Sample	103	96
LCSD 880-107795/2-A	Lab Control Sample Dup	100	96
MB 880-107795/5-A	Method Blank	97	89

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-56944-A-7-C MS	Matrix Spike	133 S1+	124
880-56944-A-7-D MSD	Matrix Spike Duplicate	133 S1+	123
880-56945-1	BH-1 (0-0.5')	140 S1+	141 S1+
880-56945-2	BH-1 (1.0')	133 S1+	130
880-56945-3	BH-1 (2.0')	136 S1+	135 S1+
880-56945-4	BH-1 (3.0')	134 S1+	133 S1+
880-56945-5	BH-2 (0-0.5')	134 S1+	136 S1+
880-56945-6	BH-2 (1.0')	125	123
880-56945-7	BH-2 (2.0')	131 S1+	129
880-56945-8	BH-2 (3.0')	128	130
880-56945-9	BH-3 (0-0.5')	139 S1+	141 S1+
880-56945-9 MS	BH-3 (0-0.5')	145 S1+	139 S1+
880-56945-9 MSD	BH-3 (0-0.5')	153 S1+	142 S1+
880-56945-10	BH-3 (1.0')	144 S1+	147 S1+
880-56945-11	BH-3 (2.0')	132 S1+	134 S1+

Surrogate Summary

Client: Carmona Resources Job ID: 880-56945-1
Project/Site: Tatanka Federal Com 4H CTB SDG: Lea County, New Mexico

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

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

		Percent Surrogate Recovery (Acceptance Limits)											
		1CO1	OTPH1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
880-56945-12	BH-3 (3.0')	134 S1+	135 S1+										
880-56945-13	BH-3 (4.0')	134 S1+	135 S1+										
880-56945-14	BH-4 (0-0.5')	135 S1+	138 S1+										
880-56945-15	BH-4 (1.0')	141 S1+	141 S1+										
880-56945-16	BH-4 (2.0')	137 S1+	137 S1+										
880-56945-17	BH-4 (3.0')	133 S1+	133 S1+										
880-56945-18	BH-4 (4.0')	132 S1+	132 S1+										
880-56945-19	BH-4 (5.0')	131 S1+	142 S1+										
LCS 880-107817/2-A	Lab Control Sample	140 S1+	130										
LCS 880-107818/2-A	Lab Control Sample	131 S1+	124										
LCSD 880-107817/3-A	Lab Control Sample Dup	140 S1+	133 S1+										
LCSD 880-107818/3-A	Lab Control Sample Dup	116	110										
MB 880-107817/1-A	Method Blank	122	124										
MB 880-107818/1-A	Method Blank	100	102										

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56945-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-107795/5-A
Matrix: Solid
Analysis Batch: 107885

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 107795

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/15/25 16:59	04/16/25 16:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/15/25 16:59	04/16/25 16:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/15/25 16:59	04/16/25 16:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/15/25 16:59	04/16/25 16:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/15/25 16:59	04/16/25 16:12	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/15/25 16:59	04/16/25 16:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*04/15/25 16:59*	*04/16/25 16:12*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*04/15/25 16:59*	*04/16/25 16:12*	*1*

Lab Sample ID: LCS 880-107795/1-A
Matrix: Solid
Analysis Batch: 107885

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 107795

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09372		mg/Kg		94	70 - 130
Toluene	0.100	0.08751		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.08858		mg/Kg		89	70 - 130
m-Xylene & p-Xylene	0.200	0.1842		mg/Kg		92	70 - 130
o-Xylene	0.100	0.09379		mg/Kg		94	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: LCSD 880-107795/2-A
Matrix: Solid
Analysis Batch: 107885

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 107795

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08255		mg/Kg		83	70 - 130	13	35
Toluene	0.100	0.07375		mg/Kg		74	70 - 130	17	35
Ethylbenzene	0.100	0.07433		mg/Kg		74	70 - 130	17	35
m-Xylene & p-Xylene	0.200	0.1491		mg/Kg		75	70 - 130	21	35
o-Xylene	0.100	0.07309		mg/Kg		73	70 - 130	25	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: 880-56945-1 MS
Matrix: Solid
Analysis Batch: 107885

Client Sample ID: BH-1 (0-0.5')
Prep Type: Total/NA
Prep Batch: 107795

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.100	0.07601		mg/Kg		76	70 - 130
Toluene	<0.00202	U	0.100	0.06955		mg/Kg		70	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56945-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-56945-1 MS
Matrix: Solid
Analysis Batch: 107885

Client Sample ID: BH-1 (0-0.5')
Prep Type: Total/NA
Prep Batch: 107795

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00202	U F1	0.100	0.06436	F1	mg/Kg		64	70 - 130
m-Xylene & p-Xylene	<0.00403	U F1	0.200	0.1359	F1	mg/Kg		68	70 - 130
o-Xylene	<0.00202	U	0.100	0.07017		mg/Kg		70	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: 880-56945-1 MSD
Matrix: Solid
Analysis Batch: 107885

Client Sample ID: BH-1 (0-0.5')
Prep Type: Total/NA
Prep Batch: 107795

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.100	0.1020		mg/Kg		102	70 - 130	29	35
Toluene	<0.00202	U	0.100	0.08764		mg/Kg		88	70 - 130	23	35
Ethylbenzene	<0.00202	U F1	0.100	0.08634		mg/Kg		86	70 - 130	29	35
m-Xylene & p-Xylene	<0.00403	U F1	0.200	0.1764		mg/Kg		88	70 - 130	26	35
o-Xylene	<0.00202	U	0.100	0.09058		mg/Kg		91	70 - 130	25	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

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

Lab Sample ID: MB 880-107817/1-A
Matrix: Solid
Analysis Batch: 107854

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 107817

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		04/16/25 08:26	04/16/25 20:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/16/25 08:26	04/16/25 20:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/16/25 08:26	04/16/25 20:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*04/16/25 08:26*	*04/16/25 20:01*	*1*
o-Terphenyl	*124*		*70 - 130*	*04/16/25 08:26*	*04/16/25 20:01*	*1*

Lab Sample ID: LCS 880-107817/2-A
Matrix: Solid
Analysis Batch: 107854

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 107817

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1119		mg/Kg		112	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1110		mg/Kg		111	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56945-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-107817/2-A
Matrix: Solid
Analysis Batch: 107854

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 107817

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	140	S1+	70 - 130
o-Terphenyl	130		70 - 130

Lab Sample ID: LCSD 880-107817/3-A
Matrix: Solid
Analysis Batch: 107854

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 107817

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1087		mg/Kg		109	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	1114		mg/Kg		111	70 - 130	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	140	S1+	70 - 130
o-Terphenyl	133	S1+	70 - 130

Lab Sample ID: 880-56944-A-7-C MS
Matrix: Solid
Analysis Batch: 107854

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 107817

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	995	1033		mg/Kg		104	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	995	921.4		mg/Kg		93	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	133	S1+	70 - 130
o-Terphenyl	124		70 - 130

Lab Sample ID: 880-56944-A-7-D MSD
Matrix: Solid
Analysis Batch: 107854

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 107817

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	995	1022		mg/Kg		103	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	995	895.7		mg/Kg		90	70 - 130	3	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	133	S1+	70 - 130
o-Terphenyl	123		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56945-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-107818/1-A
Matrix: Solid
Analysis Batch: 107856

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 107818

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		04/16/25 08:30	04/16/25 20:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/16/25 08:30	04/16/25 20:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/16/25 08:30	04/16/25 20:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*04/16/25 08:30*	*04/16/25 20:01*	*1*
o-Terphenyl	*102*		*70 - 130*	*04/16/25 08:30*	*04/16/25 20:01*	*1*

Lab Sample ID: LCS 880-107818/2-A
Matrix: Solid
Analysis Batch: 107856

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 107818

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	944.8		mg/Kg		94	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1090		mg/Kg		109	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*131*	*S1+*	*70 - 130*
o-Terphenyl	*124*		*70 - 130*

Lab Sample ID: LCSD 880-107818/3-A
Matrix: Solid
Analysis Batch: 107856

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 107818

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	867.6		mg/Kg		87	70 - 130	9	20
Diesel Range Organics (Over C10-C28)			1000	1004		mg/Kg		100	70 - 130	8	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*116*		*70 - 130*
o-Terphenyl	*110*		*70 - 130*

Lab Sample ID: 880-56945-9 MS
Matrix: Solid
Analysis Batch: 107856

Client Sample ID: BH-3 (0-0.5')
Prep Type: Total/NA
Prep Batch: 107818

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	1000	1041		mg/Kg		104	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.3	U	1000	1042		mg/Kg		102	70 - 130		

QC Sample Results

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56945-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-56945-9 MS
Matrix: Solid
Analysis Batch: 107856

Client Sample ID: BH-3 (0-0.5')
Prep Type: Total/NA
Prep Batch: 107818

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	145	S1+	70 - 130
o-Terphenyl	139	S1+	70 - 130

Lab Sample ID: 880-56945-9 MSD
Matrix: Solid
Analysis Batch: 107856

Client Sample ID: BH-3 (0-0.5')
Prep Type: Total/NA
Prep Batch: 107818

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	1000	1065		mg/Kg		106	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.3	U	1000	1081		mg/Kg		106	70 - 130	4	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	153	S1+	70 - 130
o-Terphenyl	142	S1+	70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-56945-1 MS
Matrix: Solid
Analysis Batch: 107869

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	788		251	1027		mg/Kg		95	90 - 110		

Lab Sample ID: 880-56945-1 MSD
Matrix: Solid
Analysis Batch: 107869

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	788		251	1027		mg/Kg		95	90 - 110	0	20

Lab Sample ID: MB 880-107889/1-A
Matrix: Solid
Analysis Batch: 107893

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			04/16/25 19:33	1

Lab Sample ID: LCS 880-107889/2-A
Matrix: Solid
Analysis Batch: 107893

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	267.0		mg/Kg		107	90 - 110		

QC Sample Results

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56945-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-107889/3-A
Matrix: Solid
Analysis Batch: 107893

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	268.2		mg/Kg		107	90 - 110	0	20

Lab Sample ID: 880-56945-11 MS
Matrix: Solid
Analysis Batch: 107893

Client Sample ID: BH-3 (2.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	347		248	583.7		mg/Kg		95	90 - 110		

Lab Sample ID: 880-56945-11 MSD
Matrix: Solid
Analysis Batch: 107893

Client Sample ID: BH-3 (2.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	347		248	586.6		mg/Kg		96	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56945-1
SDG: Lea County, New Mexico

GC VOA

Prep Batch: 107795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56945-1	BH-1 (0-0.5')	Total/NA	Solid	5035	
880-56945-2	BH-1 (1.0')	Total/NA	Solid	5035	
880-56945-3	BH-1 (2.0')	Total/NA	Solid	5035	
880-56945-4	BH-1 (3.0')	Total/NA	Solid	5035	
880-56945-5	BH-2 (0-0.5')	Total/NA	Solid	5035	
880-56945-6	BH-2 (1.0')	Total/NA	Solid	5035	
880-56945-7	BH-2 (2.0')	Total/NA	Solid	5035	
880-56945-8	BH-2 (3.0')	Total/NA	Solid	5035	
880-56945-9	BH-3 (0-0.5')	Total/NA	Solid	5035	
880-56945-10	BH-3 (1.0')	Total/NA	Solid	5035	
880-56945-11	BH-3 (2.0')	Total/NA	Solid	5035	
880-56945-12	BH-3 (3.0')	Total/NA	Solid	5035	
880-56945-13	BH-3 (4.0')	Total/NA	Solid	5035	
880-56945-14	BH-4 (0-0.5')	Total/NA	Solid	5035	
880-56945-15	BH-4 (1.0')	Total/NA	Solid	5035	
880-56945-16	BH-4 (2.0')	Total/NA	Solid	5035	
880-56945-17	BH-4 (3.0')	Total/NA	Solid	5035	
880-56945-18	BH-4 (4.0')	Total/NA	Solid	5035	
880-56945-19	BH-4 (5.0')	Total/NA	Solid	5035	
MB 880-107795/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-107795/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-107795/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-56945-1 MS	BH-1 (0-0.5')	Total/NA	Solid	5035	
880-56945-1 MSD	BH-1 (0-0.5')	Total/NA	Solid	5035	

Analysis Batch: 107885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56945-1	BH-1 (0-0.5')	Total/NA	Solid	8021B	107795
880-56945-2	BH-1 (1.0')	Total/NA	Solid	8021B	107795
880-56945-3	BH-1 (2.0')	Total/NA	Solid	8021B	107795
880-56945-4	BH-1 (3.0')	Total/NA	Solid	8021B	107795
880-56945-5	BH-2 (0-0.5')	Total/NA	Solid	8021B	107795
880-56945-6	BH-2 (1.0')	Total/NA	Solid	8021B	107795
880-56945-7	BH-2 (2.0')	Total/NA	Solid	8021B	107795
880-56945-8	BH-2 (3.0')	Total/NA	Solid	8021B	107795
880-56945-9	BH-3 (0-0.5')	Total/NA	Solid	8021B	107795
880-56945-10	BH-3 (1.0')	Total/NA	Solid	8021B	107795
880-56945-11	BH-3 (2.0')	Total/NA	Solid	8021B	107795
880-56945-12	BH-3 (3.0')	Total/NA	Solid	8021B	107795
880-56945-13	BH-3 (4.0')	Total/NA	Solid	8021B	107795
880-56945-14	BH-4 (0-0.5')	Total/NA	Solid	8021B	107795
880-56945-15	BH-4 (1.0')	Total/NA	Solid	8021B	107795
880-56945-16	BH-4 (2.0')	Total/NA	Solid	8021B	107795
880-56945-17	BH-4 (3.0')	Total/NA	Solid	8021B	107795
880-56945-18	BH-4 (4.0')	Total/NA	Solid	8021B	107795
880-56945-19	BH-4 (5.0')	Total/NA	Solid	8021B	107795
MB 880-107795/5-A	Method Blank	Total/NA	Solid	8021B	107795
LCS 880-107795/1-A	Lab Control Sample	Total/NA	Solid	8021B	107795
LCSD 880-107795/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	107795
880-56945-1 MS	BH-1 (0-0.5')	Total/NA	Solid	8021B	107795
880-56945-1 MSD	BH-1 (0-0.5')	Total/NA	Solid	8021B	107795

QC Association Summary

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56945-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 107957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56945-1	BH-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-56945-2	BH-1 (1.0')	Total/NA	Solid	Total BTEX	
880-56945-3	BH-1 (2.0')	Total/NA	Solid	Total BTEX	
880-56945-4	BH-1 (3.0')	Total/NA	Solid	Total BTEX	
880-56945-5	BH-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-56945-6	BH-2 (1.0')	Total/NA	Solid	Total BTEX	
880-56945-7	BH-2 (2.0')	Total/NA	Solid	Total BTEX	
880-56945-8	BH-2 (3.0')	Total/NA	Solid	Total BTEX	
880-56945-9	BH-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-56945-10	BH-3 (1.0')	Total/NA	Solid	Total BTEX	
880-56945-11	BH-3 (2.0')	Total/NA	Solid	Total BTEX	
880-56945-12	BH-3 (3.0')	Total/NA	Solid	Total BTEX	
880-56945-13	BH-3 (4.0')	Total/NA	Solid	Total BTEX	
880-56945-14	BH-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-56945-15	BH-4 (1.0')	Total/NA	Solid	Total BTEX	
880-56945-16	BH-4 (2.0')	Total/NA	Solid	Total BTEX	
880-56945-17	BH-4 (3.0')	Total/NA	Solid	Total BTEX	
880-56945-18	BH-4 (4.0')	Total/NA	Solid	Total BTEX	
880-56945-19	BH-4 (5.0')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 107817

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56945-1	BH-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-56945-2	BH-1 (1.0')	Total/NA	Solid	8015NM Prep	
880-56945-3	BH-1 (2.0')	Total/NA	Solid	8015NM Prep	
880-56945-4	BH-1 (3.0')	Total/NA	Solid	8015NM Prep	
880-56945-5	BH-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-56945-6	BH-2 (1.0')	Total/NA	Solid	8015NM Prep	
880-56945-7	BH-2 (2.0')	Total/NA	Solid	8015NM Prep	
880-56945-8	BH-2 (3.0')	Total/NA	Solid	8015NM Prep	
MB 880-107817/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-107817/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-107817/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-56944-A-7-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-56944-A-7-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 107818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56945-9	BH-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-56945-10	BH-3 (1.0')	Total/NA	Solid	8015NM Prep	
880-56945-11	BH-3 (2.0')	Total/NA	Solid	8015NM Prep	
880-56945-12	BH-3 (3.0')	Total/NA	Solid	8015NM Prep	
880-56945-13	BH-3 (4.0')	Total/NA	Solid	8015NM Prep	
880-56945-14	BH-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-56945-15	BH-4 (1.0')	Total/NA	Solid	8015NM Prep	
880-56945-16	BH-4 (2.0')	Total/NA	Solid	8015NM Prep	
880-56945-17	BH-4 (3.0')	Total/NA	Solid	8015NM Prep	
880-56945-18	BH-4 (4.0')	Total/NA	Solid	8015NM Prep	
880-56945-19	BH-4 (5.0')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56945-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 107818 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-107818/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-107818/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-107818/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-56945-9 MS	BH-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-56945-9 MSD	BH-3 (0-0.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 107854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56945-1	BH-1 (0-0.5')	Total/NA	Solid	8015B NM	107817
880-56945-2	BH-1 (1.0')	Total/NA	Solid	8015B NM	107817
880-56945-3	BH-1 (2.0')	Total/NA	Solid	8015B NM	107817
880-56945-4	BH-1 (3.0')	Total/NA	Solid	8015B NM	107817
880-56945-5	BH-2 (0-0.5')	Total/NA	Solid	8015B NM	107817
880-56945-6	BH-2 (1.0')	Total/NA	Solid	8015B NM	107817
880-56945-7	BH-2 (2.0')	Total/NA	Solid	8015B NM	107817
880-56945-8	BH-2 (3.0')	Total/NA	Solid	8015B NM	107817
MB 880-107817/1-A	Method Blank	Total/NA	Solid	8015B NM	107817
LCS 880-107817/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	107817
LCSD 880-107817/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	107817
880-56944-A-7-C MS	Matrix Spike	Total/NA	Solid	8015B NM	107817
880-56944-A-7-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	107817

Analysis Batch: 107856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56945-9	BH-3 (0-0.5')	Total/NA	Solid	8015B NM	107818
880-56945-10	BH-3 (1.0')	Total/NA	Solid	8015B NM	107818
880-56945-11	BH-3 (2.0')	Total/NA	Solid	8015B NM	107818
880-56945-12	BH-3 (3.0')	Total/NA	Solid	8015B NM	107818
880-56945-13	BH-3 (4.0')	Total/NA	Solid	8015B NM	107818
880-56945-14	BH-4 (0-0.5')	Total/NA	Solid	8015B NM	107818
880-56945-15	BH-4 (1.0')	Total/NA	Solid	8015B NM	107818
880-56945-16	BH-4 (2.0')	Total/NA	Solid	8015B NM	107818
880-56945-17	BH-4 (3.0')	Total/NA	Solid	8015B NM	107818
880-56945-18	BH-4 (4.0')	Total/NA	Solid	8015B NM	107818
880-56945-19	BH-4 (5.0')	Total/NA	Solid	8015B NM	107818
MB 880-107818/1-A	Method Blank	Total/NA	Solid	8015B NM	107818
LCS 880-107818/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	107818
LCSD 880-107818/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	107818
880-56945-9 MS	BH-3 (0-0.5')	Total/NA	Solid	8015B NM	107818
880-56945-9 MSD	BH-3 (0-0.5')	Total/NA	Solid	8015B NM	107818

Analysis Batch: 107952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56945-1	BH-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-56945-2	BH-1 (1.0')	Total/NA	Solid	8015 NM	
880-56945-3	BH-1 (2.0')	Total/NA	Solid	8015 NM	
880-56945-4	BH-1 (3.0')	Total/NA	Solid	8015 NM	
880-56945-5	BH-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-56945-6	BH-2 (1.0')	Total/NA	Solid	8015 NM	
880-56945-7	BH-2 (2.0')	Total/NA	Solid	8015 NM	
880-56945-8	BH-2 (3.0')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56945-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 107952 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56945-9	BH-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-56945-10	BH-3 (1.0')	Total/NA	Solid	8015 NM	
880-56945-11	BH-3 (2.0')	Total/NA	Solid	8015 NM	
880-56945-12	BH-3 (3.0')	Total/NA	Solid	8015 NM	
880-56945-13	BH-3 (4.0')	Total/NA	Solid	8015 NM	
880-56945-14	BH-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-56945-15	BH-4 (1.0')	Total/NA	Solid	8015 NM	
880-56945-16	BH-4 (2.0')	Total/NA	Solid	8015 NM	
880-56945-17	BH-4 (3.0')	Total/NA	Solid	8015 NM	
880-56945-18	BH-4 (4.0')	Total/NA	Solid	8015 NM	
880-56945-19	BH-4 (5.0')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 107847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56945-1	BH-1 (0-0.5')	Soluble	Solid	DI Leach	
880-56945-2	BH-1 (1.0')	Soluble	Solid	DI Leach	
880-56945-3	BH-1 (2.0')	Soluble	Solid	DI Leach	
880-56945-4	BH-1 (3.0')	Soluble	Solid	DI Leach	
880-56945-5	BH-2 (0-0.5')	Soluble	Solid	DI Leach	
880-56945-6	BH-2 (1.0')	Soluble	Solid	DI Leach	
880-56945-7	BH-2 (2.0')	Soluble	Solid	DI Leach	
880-56945-8	BH-2 (3.0')	Soluble	Solid	DI Leach	
880-56945-9	BH-3 (0-0.5')	Soluble	Solid	DI Leach	
880-56945-10	BH-3 (1.0')	Soluble	Solid	DI Leach	
880-56945-1 MS	BH-1 (0-0.5')	Soluble	Solid	DI Leach	
880-56945-1 MSD	BH-1 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 107869

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56945-1	BH-1 (0-0.5')	Soluble	Solid	300.0	107847
880-56945-2	BH-1 (1.0')	Soluble	Solid	300.0	107847
880-56945-3	BH-1 (2.0')	Soluble	Solid	300.0	107847
880-56945-4	BH-1 (3.0')	Soluble	Solid	300.0	107847
880-56945-5	BH-2 (0-0.5')	Soluble	Solid	300.0	107847
880-56945-6	BH-2 (1.0')	Soluble	Solid	300.0	107847
880-56945-7	BH-2 (2.0')	Soluble	Solid	300.0	107847
880-56945-8	BH-2 (3.0')	Soluble	Solid	300.0	107847
880-56945-9	BH-3 (0-0.5')	Soluble	Solid	300.0	107847
880-56945-10	BH-3 (1.0')	Soluble	Solid	300.0	107847
880-56945-1 MS	BH-1 (0-0.5')	Soluble	Solid	300.0	107847
880-56945-1 MSD	BH-1 (0-0.5')	Soluble	Solid	300.0	107847

Leach Batch: 107889

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56945-11	BH-3 (2.0')	Soluble	Solid	DI Leach	
880-56945-12	BH-3 (3.0')	Soluble	Solid	DI Leach	
880-56945-13	BH-3 (4.0')	Soluble	Solid	DI Leach	
880-56945-14	BH-4 (0-0.5')	Soluble	Solid	DI Leach	
880-56945-15	BH-4 (1.0')	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56945-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Leach Batch: 107889 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56945-16	BH-4 (2.0')	Soluble	Solid	DI Leach	
880-56945-17	BH-4 (3.0')	Soluble	Solid	DI Leach	
880-56945-18	BH-4 (4.0')	Soluble	Solid	DI Leach	
880-56945-19	BH-4 (5.0')	Soluble	Solid	DI Leach	
MB 880-107889/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-107889/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-107889/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-56945-11 MS	BH-3 (2.0')	Soluble	Solid	DI Leach	
880-56945-11 MSD	BH-3 (2.0')	Soluble	Solid	DI Leach	

Analysis Batch: 107893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56945-11	BH-3 (2.0')	Soluble	Solid	300.0	107889
880-56945-12	BH-3 (3.0')	Soluble	Solid	300.0	107889
880-56945-13	BH-3 (4.0')	Soluble	Solid	300.0	107889
880-56945-14	BH-4 (0-0.5')	Soluble	Solid	300.0	107889
880-56945-15	BH-4 (1.0')	Soluble	Solid	300.0	107889
880-56945-16	BH-4 (2.0')	Soluble	Solid	300.0	107889
880-56945-17	BH-4 (3.0')	Soluble	Solid	300.0	107889
880-56945-18	BH-4 (4.0')	Soluble	Solid	300.0	107889
880-56945-19	BH-4 (5.0')	Soluble	Solid	300.0	107889
MB 880-107889/1-A	Method Blank	Soluble	Solid	300.0	107889
LCS 880-107889/2-A	Lab Control Sample	Soluble	Solid	300.0	107889
LCSD 880-107889/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	107889
880-56945-11 MS	BH-3 (2.0')	Soluble	Solid	300.0	107889
880-56945-11 MSD	BH-3 (2.0')	Soluble	Solid	300.0	107889

Lab Chronicle

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56945-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-56945-1
Date Collected: 04/15/25 00:00
Matrix: Solid
Date Received: 04/15/25 16:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	107795	04/15/25 16:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	107885	04/16/25 16:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			107957	04/16/25 16:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			107952	04/16/25 22:01	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	107817	04/16/25 08:26	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	107854	04/16/25 22:01	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	107847	04/16/25 10:00	SA	EET MID
Soluble	Analysis	300.0		1			107869	04/16/25 16:51	CH	EET MID

Client Sample ID: BH-1 (1.0')

Lab Sample ID: 880-56945-2
Date Collected: 04/15/25 00:00
Matrix: Solid
Date Received: 04/15/25 16:36

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	107795	04/15/25 16:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	107885	04/16/25 16:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			107957	04/16/25 16:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			107952	04/16/25 22:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	107817	04/16/25 08:26	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	107854	04/16/25 22:16	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	107847	04/16/25 10:00	SA	EET MID
Soluble	Analysis	300.0		1			107869	04/16/25 17:07	CH	EET MID

Client Sample ID: BH-1 (2.0')

Lab Sample ID: 880-56945-3
Date Collected: 04/15/25 00:00
Matrix: Solid
Date Received: 04/15/25 16:36

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	107795	04/15/25 16:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	107885	04/16/25 17:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			107957	04/16/25 17:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			107952	04/16/25 22:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	107817	04/16/25 08:26	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	107854	04/16/25 22:31	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	107847	04/16/25 10:00	SA	EET MID
Soluble	Analysis	300.0		1			107869	04/16/25 17:12	CH	EET MID

Client Sample ID: BH-1 (3.0')

Lab Sample ID: 880-56945-4
Date Collected: 04/15/25 00:00
Matrix: Solid
Date Received: 04/15/25 16:36

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	107795	04/15/25 16:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	107885	04/16/25 17:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			107957	04/16/25 17:35	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56945-1
SDG: Lea County, New Mexico

Client Sample ID: BH-1 (3.0')

Lab Sample ID: 880-56945-4
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

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			107952	04/16/25 22:46	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	107817	04/16/25 08:26	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	107854	04/16/25 22:46	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	107847	04/16/25 10:00	SA	EET MID
Soluble	Analysis	300.0		1			107869	04/16/25 17:28	CH	EET MID

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

Lab Sample ID: 880-56945-5
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

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	107795	04/15/25 16:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	107885	04/16/25 17:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			107957	04/16/25 17:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			107952	04/16/25 23:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	107817	04/16/25 08:26	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	107854	04/16/25 23:00	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	107847	04/16/25 10:00	SA	EET MID
Soluble	Analysis	300.0		1			107869	04/16/25 17:33	CH	EET MID

Client Sample ID: BH-2 (1.0')

Lab Sample ID: 880-56945-6
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

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	107795	04/15/25 16:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	107885	04/16/25 18:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			107957	04/16/25 18:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			107952	04/16/25 23:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	107817	04/16/25 08:26	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	107854	04/16/25 23:15	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	107847	04/16/25 10:00	SA	EET MID
Soluble	Analysis	300.0		1			107869	04/16/25 17:38	CH	EET MID

Client Sample ID: BH-2 (2.0')

Lab Sample ID: 880-56945-7
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	107795	04/15/25 16:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	107885	04/16/25 18:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			107957	04/16/25 18:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			107952	04/16/25 23:30	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	107817	04/16/25 08:26	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	107854	04/16/25 23:30	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56945-1
SDG: Lea County, New Mexico

Client Sample ID: BH-2 (2.0')

Lab Sample ID: 880-56945-7
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	107847	04/16/25 10:00	SA	EET MID
Soluble	Analysis	300.0		1			107869	04/16/25 17:43	CH	EET MID

Client Sample ID: BH-2 (3.0')

Lab Sample ID: 880-56945-8
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

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	107795	04/15/25 16:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	107885	04/16/25 18:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			107957	04/16/25 18:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			107952	04/16/25 23:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	107817	04/16/25 08:26	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	107854	04/16/25 23:59	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	107847	04/16/25 10:00	SA	EET MID
Soluble	Analysis	300.0		1			107869	04/16/25 17:48	CH	EET MID

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

Lab Sample ID: 880-56945-9
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

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	107795	04/15/25 16:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	107885	04/16/25 19:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			107957	04/16/25 19:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			107952	04/16/25 20:45	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	107818	04/16/25 08:30	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	107856	04/16/25 20:45	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	107847	04/16/25 10:00	SA	EET MID
Soluble	Analysis	300.0		1			107869	04/16/25 17:53	CH	EET MID

Client Sample ID: BH-3 (1.0')

Lab Sample ID: 880-56945-10
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

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	107795	04/15/25 16:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	107885	04/16/25 19:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			107957	04/16/25 19:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			107952	04/16/25 21:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	107818	04/16/25 08:30	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	107856	04/16/25 21:29	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	107847	04/16/25 10:00	SA	EET MID
Soluble	Analysis	300.0		10			107869	04/16/25 17:58	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56945-1
SDG: Lea County, New Mexico

Client Sample ID: BH-3 (2.0')

Lab Sample ID: 880-56945-11
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

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	107795	04/15/25 16:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	107885	04/16/25 21:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			107957	04/16/25 21:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			107952	04/16/25 21:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	107818	04/16/25 08:30	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	107856	04/16/25 21:46	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	107889	04/16/25 14:12	SA	EET MID
Soluble	Analysis	300.0		1			107893	04/16/25 19:50	CH	EET MID

Client Sample ID: BH-3 (3.0')

Lab Sample ID: 880-56945-12
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

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	107795	04/15/25 16:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	107885	04/16/25 21:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			107957	04/16/25 21:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			107952	04/16/25 22:01	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	107818	04/16/25 08:30	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	107856	04/16/25 22:01	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	107889	04/16/25 14:12	SA	EET MID
Soluble	Analysis	300.0		1			107893	04/16/25 20:07	CH	EET MID

Client Sample ID: BH-3 (4.0')

Lab Sample ID: 880-56945-13
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

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	107795	04/15/25 16:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	107885	04/16/25 21:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			107957	04/16/25 21:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			107952	04/16/25 22:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	107818	04/16/25 08:30	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	107856	04/16/25 22:16	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	107889	04/16/25 14:12	SA	EET MID
Soluble	Analysis	300.0		1			107893	04/16/25 20:13	CH	EET MID

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

Lab Sample ID: 880-56945-14
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	107795	04/15/25 16:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	107885	04/16/25 22:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			107957	04/16/25 22:12	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56945-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-56945-14

Date Collected: 04/15/25 00:00
Matrix: Solid
Date Received: 04/15/25 16:36

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			107952	04/16/25 22:31	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	107818	04/16/25 08:30	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	107856	04/16/25 22:31	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	107889	04/16/25 14:12	SA	EET MID
Soluble	Analysis	300.0		1			107893	04/16/25 20:19	CH	EET MID

Client Sample ID: BH-4 (1.0')

Lab Sample ID: 880-56945-15

Date Collected: 04/15/25 00:00
Matrix: Solid
Date Received: 04/15/25 16:36

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	107795	04/15/25 16:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	107885	04/16/25 22:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			107957	04/16/25 22:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			107952	04/16/25 22:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	107818	04/16/25 08:30	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	107856	04/16/25 22:46	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	107889	04/16/25 14:12	SA	EET MID
Soluble	Analysis	300.0		1			107893	04/16/25 20:25	CH	EET MID

Client Sample ID: BH-4 (2.0')

Lab Sample ID: 880-56945-16

Date Collected: 04/15/25 00:00
Matrix: Solid
Date Received: 04/15/25 16:36

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	107795	04/15/25 16:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	107885	04/16/25 22:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			107957	04/16/25 22:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			107952	04/16/25 23:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	107818	04/16/25 08:30	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	107856	04/16/25 23:00	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	107889	04/16/25 14:12	SA	EET MID
Soluble	Analysis	300.0		5			107893	04/17/25 09:08	CH	EET MID

Client Sample ID: BH-4 (3.0')

Lab Sample ID: 880-56945-17

Date Collected: 04/15/25 00:00
Matrix: Solid
Date Received: 04/15/25 16:36

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	107795	04/15/25 16:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	107885	04/16/25 23:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			107957	04/16/25 23:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			107952	04/16/25 23:15	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	107818	04/16/25 08:30	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	107856	04/16/25 23:15	TKC	EET MID

Lab Chronicle

Client: Carmona Resources
Job ID: 880-56945-1
Project/Site: Tatanka Federal Com 4H CTB
SDG: Lea County, New Mexico

Client Sample ID: BH-4 (3.0')
Lab Sample ID: 880-56945-17
Date Collected: 04/15/25 00:00
Matrix: Solid
Date Received: 04/15/25 16:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.00 g	50 mL	107889	04/16/25 14:12	SA	EET MID
Soluble	Analysis	300.0		1			107893	04/16/25 20:48	CH	EET MID

Client Sample ID: BH-4 (4.0')
Lab Sample ID: 880-56945-18
Date Collected: 04/15/25 00:00
Matrix: Solid
Date Received: 04/15/25 16:36

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	107795	04/15/25 16:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	107885	04/16/25 23:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			107957	04/16/25 23:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			107952	04/16/25 23:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	107818	04/16/25 08:30	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	107856	04/16/25 23:30	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	107889	04/16/25 14:12	SA	EET MID
Soluble	Analysis	300.0		1			107893	04/16/25 20:53	CH	EET MID

Client Sample ID: BH-4 (5.0')
Lab Sample ID: 880-56945-19
Date Collected: 04/15/25 00:00
Matrix: Solid
Date Received: 04/15/25 16:36

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	107795	04/15/25 16:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	107885	04/16/25 23:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			107957	04/16/25 23:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			107952	04/16/25 23:59	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	107818	04/16/25 08:30	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	107856	04/16/25 23:59	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	107889	04/16/25 14:12	SA	EET MID
Soluble	Analysis	300.0		1			107893	04/16/25 20:59	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Job ID: 880-56945-1
Project/Site: Tatanka Federal Com 4H CTB
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	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
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56945-1
SDG: Lea County, New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56945-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-56945-1	BH-1 (0-0.5')	Solid	04/15/25 00:00	04/15/25 16:36
880-56945-2	BH-1 (1.0')	Solid	04/15/25 00:00	04/15/25 16:36
880-56945-3	BH-1 (2.0')	Solid	04/15/25 00:00	04/15/25 16:36
880-56945-4	BH-1 (3.0')	Solid	04/15/25 00:00	04/15/25 16:36
880-56945-5	BH-2 (0-0.5')	Solid	04/15/25 00:00	04/15/25 16:36
880-56945-6	BH-2 (1.0')	Solid	04/15/25 00:00	04/15/25 16:36
880-56945-7	BH-2 (2.0')	Solid	04/15/25 00:00	04/15/25 16:36
880-56945-8	BH-2 (3.0')	Solid	04/15/25 00:00	04/15/25 16:36
880-56945-9	BH-3 (0-0.5')	Solid	04/15/25 00:00	04/15/25 16:36
880-56945-10	BH-3 (1.0')	Solid	04/15/25 00:00	04/15/25 16:36
880-56945-11	BH-3 (2.0')	Solid	04/15/25 00:00	04/15/25 16:36
880-56945-12	BH-3 (3.0')	Solid	04/15/25 00:00	04/15/25 16:36
880-56945-13	BH-3 (4.0')	Solid	04/15/25 00:00	04/15/25 16:36
880-56945-14	BH-4 (0-0.5')	Solid	04/15/25 00:00	04/15/25 16:36
880-56945-15	BH-4 (1.0')	Solid	04/15/25 00:00	04/15/25 16:36
880-56945-16	BH-4 (2.0')	Solid	04/15/25 00:00	04/15/25 16:36
880-56945-17	BH-4 (3.0')	Solid	04/15/25 00:00	04/15/25 16:36
880-56945-18	BH-4 (4.0')	Solid	04/15/25 00:00	04/15/25 16:36
880-56945-19	BH-4 (5.0')	Solid	04/15/25 00:00	04/15/25 16:36

Chain of Custody

880-56945 Chain of Custody

2

Project Manager:	Ashton Thielke	Bill to: (if different)	Laci Luig
Company Name:	Carmona Resources	Company Name:	Cimarex Energy
Address:	310 W Wall St Ste 500	Address:	600 N Marienfield St, Suite 600
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	laci.luig@coterra.com & ashton.thielke@coterra.com

Work Order Comments

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

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Tatanka Federal Com 4H CTB	Turn Around	
Project Number:	2700	☐ Routine ☑ Rush	
Project Location	Lea County, New Mexico	Due Date:	72 hr.
Sampler's Name:	GPJ/JM		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID:	IR5
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	4.4
Total Containers:		Corrected Temperature:	4.5

Preservative Codes

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

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold	Sample Comments
BH-1 (0-0.5')	4/15/2025		X		G	1		X	X	X		
BH-1 (1.0')	4/15/2025		X		G	1		X	X	X		
BH-1 (2.0')	4/15/2025		X		G	1		X	X	X		
BH-1 (3.0')	4/15/2025		X		G	1		X	X	X		
BH-2 (0-0.5')	4/15/2025		X		G	1		X	X	X		
BH-2 (1.0')	4/15/2025		X		G	1		X	X	X		
BH-2 (2.0')	4/15/2025		X		G	1		X	X	X		
BH-2 (3.0')	4/15/2025		X		G	1		X	X	X		
BH-3 (0-0.5')	4/15/2025		X		G	1		X	X	X		
BH-3 (1.0')	4/15/2025		X		G	1		X	X	X		

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			4/15/25 1630

Chain of Custody

Work Order No: _____

Project Manager:	Ashton Thielke	Bill to: (if different)	Laci Luig
Company Name:	Carmona Resources	Company Name:	Cimarex Energy
Address:	310 W Wall St Ste 500	Address:	600 N Marienfield St, Suite 600
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	laci.luig@coterra.com & ashton.thielke@coterra.com

Work Order Comments

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

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Tatanka Federal Com 4H CTB	Turn Around	
Project Number:	2700	☐ Routine	☑ Rush
Project Location	Lea County, New Mexico	Due Date:	72 hr.
Sampler's Name:	GPJ/JM		
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
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:		

Preservative Codes

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

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold	Sample Comments
BH-3 (2.0')	4/15/2025		X		G	1	X	X	X		
BH-3 (3.0')	4/15/2025		X		G	1	X	X	X		
BH-3 (4.0')	4/15/2025		X		G	1	X	X	X		
BH-4 (0-0.5')	4/15/2025		X		G	1	X	X	X		
BH-4 (1.0')	4/15/2025		X		G	1	X	X	X		
BH-4 (2.0')	4/15/2025		X		G	1	X	X	X		
BH-4 (3.0')	4/15/2025		X		G	1	X	X	X		
BH-4 (4.0')	4/15/2025		X		G	1	X	X	X		
BH-4 (5.0')	4/15/2025		X		G	1	X	X	X		

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			4/15/25 1139

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-56945-1
SDG Number: Lea County, New Mexico

Login Number: 56945
List Number: 1
Creator: Vasquez, Julisa

List Source: Eurofins Midland

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/17/2025 12:28:30 PM

JOB DESCRIPTION

Tatanka Federal Com 4H CTB
Lea County, New Mexico

JOB NUMBER

880-56944-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

my EOL

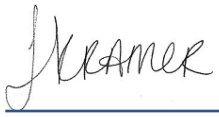
Eurofins Midland

Job Notes

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

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

Authorization



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4/17/2025 12:28:30 PM

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

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Laboratory Job ID: 880-56944-1
SDG: Lea County, New Mexico

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56944-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
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: Tatanka Federal Com 4H CTB

Job ID: 880-56944-1

Job ID: 880-56944-1 Eurofins Midland

Job Narrative
880-56944-1

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 4/15/2025 4:36 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 4.5°C.

GC VOA
Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-107789 and analytical batch 880-107888 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: H-5 (0-0.5') (880-56944-5), H-6 (0-0.5') (880-56944-6), H-7 (0-0.5') (880-56944-7), H-8 (0-0.5') (880-56944-8), H-9 (0-0.5') (880-56944-9) and (CCV 880-107888/2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Diesel Range Organics
Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: H-7 (0-0.5') (880-56944-7), (LCS 880-107817/2-A), (880-56944-A-7-C MS) and (880-56944-A-7-D MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: H-9 (0-0.5') (880-56944-9) and (LCSD 880-107817/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The method blank for preparation batch 880-107816 and analytical batch 880-107856 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-107816/2-A) and (880-56915-A-21-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCSD 880-107816/3-A), (880-56915-A-21-B MS) and (880-56915-A-21-C MSD). Evidence of matrix interferences is not obvious.

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

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

Client Sample Results

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56944-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-56944-1
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

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		04/15/25 16:54	04/16/25 17:55	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/15/25 16:54	04/16/25 17:55	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/15/25 16:54	04/16/25 17:55	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		04/15/25 16:54	04/16/25 17:55	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/15/25 16:54	04/16/25 17:55	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/15/25 16:54	04/16/25 17:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*04/15/25 16:54*	*04/16/25 17:55*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*04/15/25 16:54*	*04/16/25 17:55*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			04/16/25 17:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			04/16/25 17:30	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	<50.2	U	50.2		mg/Kg		04/16/25 08:21	04/16/25 17:30	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		04/16/25 08:21	04/16/25 17:30	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		04/16/25 08:21	04/16/25 17:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*124*		*70 - 130*	*04/16/25 08:21*	*04/16/25 17:30*	*1*
o-Terphenyl	*124*		*70 - 130*	*04/16/25 08:21*	*04/16/25 17:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**66.8**		10.1		mg/Kg			04/16/25 14:51	1

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

Lab Sample ID: 880-56944-2
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

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		04/15/25 16:54	04/16/25 18:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/15/25 16:54	04/16/25 18:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/15/25 16:54	04/16/25 18:15	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/15/25 16:54	04/16/25 18:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/15/25 16:54	04/16/25 18:15	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/15/25 16:54	04/16/25 18:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*04/15/25 16:54*	*04/16/25 18:15*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*04/15/25 16:54*	*04/16/25 18:15*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56944-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-56944-2
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

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			04/16/25 18:15	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			04/16/25 17:45	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	<49.8	U	49.8		mg/Kg		04/16/25 08:21	04/16/25 17:45	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/16/25 08:21	04/16/25 17:45	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/16/25 08:21	04/16/25 17:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*125*		*70 - 130*	*04/16/25 08:21*	*04/16/25 17:45*	*1*
o-Terphenyl	*125*		*70 - 130*	*04/16/25 08:21*	*04/16/25 17:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**51.9**		9.92		mg/Kg			04/16/25 14:56	1

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

Lab Sample ID: 880-56944-3
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

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		04/15/25 16:54	04/16/25 18:36	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/15/25 16:54	04/16/25 18:36	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/15/25 16:54	04/16/25 18:36	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/15/25 16:54	04/16/25 18:36	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/15/25 16:54	04/16/25 18:36	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/15/25 16:54	04/16/25 18:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*04/15/25 16:54*	*04/16/25 18:36*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*04/15/25 16:54*	*04/16/25 18:36*	*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			04/16/25 18:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			04/16/25 18:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		04/16/25 08:21	04/16/25 18:00	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		04/16/25 08:21	04/16/25 18:00	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56944-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-56944-3
Date Collected: 04/15/25 00:00
Matrix: Solid
Date Received: 04/15/25 16:36

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)	<49.6	U	49.6		mg/Kg		04/16/25 08:21	04/16/25 18:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*124*		*70 - 130*	*04/16/25 08:21*	*04/16/25 18:00*	*1*
o-Terphenyl	*126*		*70 - 130*	*04/16/25 08:21*	*04/16/25 18:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**107**		9.98		mg/Kg			04/16/25 15:01	1

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

Lab Sample ID: 880-56944-4
Date Collected: 04/15/25 00:00
Matrix: Solid
Date Received: 04/15/25 16:36

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		04/15/25 16:54	04/16/25 18:56	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/15/25 16:54	04/16/25 18:56	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/15/25 16:54	04/16/25 18:56	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/15/25 16:54	04/16/25 18:56	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/15/25 16:54	04/16/25 18:56	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/15/25 16:54	04/16/25 18:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*04/15/25 16:54*	*04/16/25 18:56*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*04/15/25 16:54*	*04/16/25 18:56*	*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			04/16/25 18:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			04/16/25 18:15	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	<50.4	U	50.4		mg/Kg		04/16/25 08:21	04/16/25 18:15	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		04/16/25 08:21	04/16/25 18:15	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		04/16/25 08:21	04/16/25 18:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*04/16/25 08:21*	*04/16/25 18:15*	*1*
o-Terphenyl	*122*		*70 - 130*	*04/16/25 08:21*	*04/16/25 18:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**87.0**		10.0		mg/Kg			04/16/25 15:06	1

Client Sample Results

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56944-1
SDG: Lea County, New Mexico

Client Sample ID: H-5 (0-0.5')

Lab Sample ID: 880-56944-5
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

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		04/15/25 16:54	04/16/25 19:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/15/25 16:54	04/16/25 19:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/15/25 16:54	04/16/25 19:17	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/15/25 16:54	04/16/25 19:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/15/25 16:54	04/16/25 19:17	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/15/25 16:54	04/16/25 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*144*	*S1+*	*70 - 130*	*04/15/25 16:54*	*04/16/25 19:17*	*1*
1,4-Difluorobenzene (Surr)	*127*		*70 - 130*	*04/15/25 16:54*	*04/16/25 19:17*	*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			04/16/25 19:17	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			04/16/25 18:30	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	<49.8	U	49.8		mg/Kg		04/16/25 08:21	04/16/25 18:30	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/16/25 08:21	04/16/25 18:30	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/16/25 08:21	04/16/25 18:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*04/16/25 08:21*	*04/16/25 18:30*	*1*
o-Terphenyl	*122*		*70 - 130*	*04/16/25 08:21*	*04/16/25 18:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**76.1**		9.94		mg/Kg			04/16/25 16:26	1

Client Sample ID: H-6 (0-0.5')

Lab Sample ID: 880-56944-6
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

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		04/15/25 16:54	04/16/25 19:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/15/25 16:54	04/16/25 19:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/15/25 16:54	04/16/25 19:37	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/15/25 16:54	04/16/25 19:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/15/25 16:54	04/16/25 19:37	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/15/25 16:54	04/16/25 19:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*04/15/25 16:54*	*04/16/25 19:37*	*1*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*	*04/15/25 16:54*	*04/16/25 19:37*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56944-1
SDG: Lea County, New Mexico

Client Sample ID: H-6 (0-0.5')

Lab Sample ID: 880-56944-6
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

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			04/16/25 19:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			04/16/25 18:45	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	<49.6	U	49.6		mg/Kg		04/16/25 08:21	04/16/25 18:45	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		04/16/25 08:21	04/16/25 18:45	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		04/16/25 08:21	04/16/25 18:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*04/16/25 08:21*	*04/16/25 18:45*	*1*
o-Terphenyl	*122*		*70 - 130*	*04/16/25 08:21*	*04/16/25 18:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**81.1**		9.92		mg/Kg			04/16/25 16:31	1

Client Sample ID: H-7 (0-0.5')

Lab Sample ID: 880-56944-7
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

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		04/15/25 16:54	04/16/25 19:57	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/15/25 16:54	04/16/25 19:57	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/15/25 16:54	04/16/25 19:57	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		04/15/25 16:54	04/16/25 19:57	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/15/25 16:54	04/16/25 19:57	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/15/25 16:54	04/16/25 19:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*	*04/15/25 16:54*	*04/16/25 19:57*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*04/15/25 16:54*	*04/16/25 19:57*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			04/16/25 19:57	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			04/16/25 20:45	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		04/16/25 08:26	04/16/25 20:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/16/25 08:26	04/16/25 20:45	1

Client Sample Results

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56944-1
SDG: Lea County, New Mexico

Client Sample ID: H-7 (0-0.5')

Lab Sample ID: 880-56944-7
Date Collected: 04/15/25 00:00
Matrix: Solid
Date Received: 04/15/25 16:36

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		04/16/25 08:26	04/16/25 20:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*133*	*S1+*	*70 - 130*	*04/16/25 08:26*	*04/16/25 20:45*	*1*
o-Terphenyl	*129*		*70 - 130*	*04/16/25 08:26*	*04/16/25 20:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**76.5**		10.1		mg/Kg			04/16/25 16:36	1

Client Sample ID: H-8 (0-0.5')

Lab Sample ID: 880-56944-8
Date Collected: 04/15/25 00:00
Matrix: Solid
Date Received: 04/15/25 16:36

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		04/15/25 16:54	04/16/25 20:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/15/25 16:54	04/16/25 20:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/15/25 16:54	04/16/25 20:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/15/25 16:54	04/16/25 20:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/15/25 16:54	04/16/25 20:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/15/25 16:54	04/16/25 20:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*	*04/15/25 16:54*	*04/16/25 20:18*	*1*
1,4-Difluorobenzene (Surr)	*119*		*70 - 130*	*04/15/25 16:54*	*04/16/25 20:18*	*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			04/16/25 20:18	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			04/16/25 21:29	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	<49.7	U	49.7		mg/Kg		04/16/25 08:26	04/16/25 21:29	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		04/16/25 08:26	04/16/25 21:29	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		04/16/25 08:26	04/16/25 21:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*130*		*70 - 130*	*04/16/25 08:26*	*04/16/25 21:29*	*1*
o-Terphenyl	*126*		*70 - 130*	*04/16/25 08:26*	*04/16/25 21:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**62.7**		10.0		mg/Kg			04/16/25 16:41	1

Client Sample Results

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56944-1
SDG: Lea County, New Mexico

Client Sample ID: H-9 (0-0.5')

Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

Lab Sample ID: 880-56944-9

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		04/15/25 16:54	04/16/25 20:38	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/15/25 16:54	04/16/25 20:38	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/15/25 16:54	04/16/25 20:38	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/15/25 16:54	04/16/25 20:38	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/15/25 16:54	04/16/25 20:38	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/15/25 16:54	04/16/25 20:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*137*	*S1+*	*70 - 130*	*04/15/25 16:54*	*04/16/25 20:38*	*1*
1,4-Difluorobenzene (Surr)	*119*		*70 - 130*	*04/15/25 16:54*	*04/16/25 20:38*	*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			04/16/25 20:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			04/16/25 21:46	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	<50.5	U	50.5		mg/Kg		04/16/25 08:26	04/16/25 21:46	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		04/16/25 08:26	04/16/25 21:46	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		04/16/25 08:26	04/16/25 21:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*133*	*S1+*	*70 - 130*	*04/16/25 08:26*	*04/16/25 21:46*	*1*
o-Terphenyl	*132*	*S1+*	*70 - 130*	*04/16/25 08:26*	*04/16/25 21:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**154**		9.90		mg/Kg			04/16/25 16:46	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56944-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) BFB1 (70-130)	DFBZ1 (70-130)
880-56944-1	H-1 (0-0.5')	108	113
880-56944-1 MS	H-1 (0-0.5')	121	104
880-56944-1 MSD	H-1 (0-0.5')	119	109
880-56944-2	H-2 (0-0.5')	116	110
880-56944-3	H-3 (0-0.5')	119	108
880-56944-4	H-4 (0-0.5')	125	105
880-56944-5	H-5 (0-0.5')	144 S1+	127
880-56944-6	H-6 (0-0.5')	131 S1+	116
880-56944-7	H-7 (0-0.5')	132 S1+	107
880-56944-8	H-8 (0-0.5')	134 S1+	119
880-56944-9	H-9 (0-0.5')	137 S1+	119
LCS 880-107789/1-A	Lab Control Sample	112	107
LCSD 880-107789/2-A	Lab Control Sample Dup	112	106
MB 880-107789/5-A	Method Blank	218 S1+	127

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**

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) 1CO1 (70-130)	OTPH1 (70-130)
880-56915-A-21-B MS	Matrix Spike	134 S1+	128
880-56915-A-21-C MSD	Matrix Spike Duplicate	134 S1+	127
880-56944-1	H-1 (0-0.5')	124	124
880-56944-2	H-2 (0-0.5')	125	125
880-56944-3	H-3 (0-0.5')	124	126
880-56944-4	H-4 (0-0.5')	119	122
880-56944-5	H-5 (0-0.5')	120	122
880-56944-6	H-6 (0-0.5')	120	122
880-56944-7	H-7 (0-0.5')	133 S1+	129
880-56944-7 MS	H-7 (0-0.5')	133 S1+	124
880-56944-7 MSD	H-7 (0-0.5')	133 S1+	123
880-56944-8	H-8 (0-0.5')	130	126
880-56944-9	H-9 (0-0.5')	133 S1+	132 S1+
LCS 880-107816/2-A	Lab Control Sample	136 S1+	133 S1+
LCS 880-107817/2-A	Lab Control Sample	140 S1+	130
LCSD 880-107816/3-A	Lab Control Sample Dup	132 S1+	125
LCSD 880-107817/3-A	Lab Control Sample Dup	140 S1+	133 S1+
MB 880-107816/1-A	Method Blank	115	120
MB 880-107817/1-A	Method Blank	122	124

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56944-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-107789/5-A
Matrix: Solid
Analysis Batch: 107888

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 107789

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/15/25 16:54	04/16/25 17:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/15/25 16:54	04/16/25 17:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/15/25 16:54	04/16/25 17:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/15/25 16:54	04/16/25 17:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/15/25 16:54	04/16/25 17:26	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/15/25 16:54	04/16/25 17:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*218*	*S1+*	*70 - 130*	*04/15/25 16:54*	*04/16/25 17:26*	*1*
1,4-Difluorobenzene (Surr)	*127*		*70 - 130*	*04/15/25 16:54*	*04/16/25 17:26*	*1*

Lab Sample ID: LCS 880-107789/1-A
Matrix: Solid
Analysis Batch: 107888

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 107789

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1008		mg/Kg		101	70 - 130
Toluene	0.100	0.1009		mg/Kg		101	70 - 130
Ethylbenzene	0.100	0.09693		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	0.200	0.1975		mg/Kg		99	70 - 130
o-Xylene	0.100	0.09741		mg/Kg		97	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: LCSD 880-107789/2-A
Matrix: Solid
Analysis Batch: 107888

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 107789

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1104		mg/Kg		110	70 - 130	9	35
Toluene	0.100	0.09471		mg/Kg		95	70 - 130	6	35
Ethylbenzene	0.100	0.1085		mg/Kg		108	70 - 130	11	35
m-Xylene & p-Xylene	0.200	0.2093		mg/Kg		105	70 - 130	6	35
o-Xylene	0.100	0.09955		mg/Kg		100	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: 880-56944-1 MS
Matrix: Solid
Analysis Batch: 107888

Client Sample ID: H-1 (0-0.5')
Prep Type: Total/NA
Prep Batch: 107789

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.100	0.09559		mg/Kg		96	70 - 130
Toluene	<0.00202	U	0.100	0.08117		mg/Kg		81	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56944-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-56944-1 MS
Matrix: Solid
Analysis Batch: 107888

Client Sample ID: H-1 (0-0.5')
Prep Type: Total/NA
Prep Batch: 107789

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00202	U	0.100	0.09283		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	<0.00403	U	0.200	0.1923		mg/Kg		96	70 - 130
o-Xylene	<0.00202	U	0.100	0.09549		mg/Kg		95	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: 880-56944-1 MSD
Matrix: Solid
Analysis Batch: 107888

Client Sample ID: H-1 (0-0.5')
Prep Type: Total/NA
Prep Batch: 107789

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.100	0.1010		mg/Kg		101	70 - 130	5	35
Toluene	<0.00202	U	0.100	0.09103		mg/Kg		91	70 - 130	11	35
Ethylbenzene	<0.00202	U	0.100	0.09301		mg/Kg		93	70 - 130	0	35
m-Xylene & p-Xylene	<0.00403	U	0.200	0.1951		mg/Kg		98	70 - 130	1	35
o-Xylene	<0.00202	U	0.100	0.09796		mg/Kg		98	70 - 130	3	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*

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

Lab Sample ID: MB 880-107816/1-A
Matrix: Solid
Analysis Batch: 107856

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 107816

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		04/16/25 08:21	04/16/25 06:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/16/25 08:21	04/16/25 06:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/16/25 08:21	04/16/25 06:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*04/16/25 08:21*	*04/16/25 06:24*	*1*
o-Terphenyl	*120*		*70 - 130*	*04/16/25 08:21*	*04/16/25 06:24*	*1*

Lab Sample ID: LCS 880-107816/2-A
Matrix: Solid
Analysis Batch: 107856

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 107816

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	983.8		mg/Kg		98	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1109		mg/Kg		111	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56944-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-107816/2-A
Matrix: Solid
Analysis Batch: 107856

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 107816

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	136	S1+	70 - 130
o-Terphenyl	133	S1+	70 - 130

Lab Sample ID: LCSD 880-107816/3-A
Matrix: Solid
Analysis Batch: 107856

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 107816

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	915.0		mg/Kg		92	70 - 130	7	20
Diesel Range Organics (Over C10-C28)			1000	1036		mg/Kg		104	70 - 130	7	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	132	S1+	70 - 130
o-Terphenyl	125		70 - 130

Lab Sample ID: 880-56915-A-21-B MS
Matrix: Solid
Analysis Batch: 107856

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 107816

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	960.0		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	<49.7	U	999	984.5		mg/Kg		99	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	134	S1+	70 - 130
o-Terphenyl	128		70 - 130

Lab Sample ID: 880-56915-A-21-C MSD
Matrix: Solid
Analysis Batch: 107856

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 107816

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	960.2		mg/Kg		96	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<49.7	U	999	993.4		mg/Kg		99	70 - 130	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	134	S1+	70 - 130
o-Terphenyl	127		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56944-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-107817/1-A
Matrix: Solid
Analysis Batch: 107854

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 107817

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		04/16/25 08:26	04/16/25 20:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/16/25 08:26	04/16/25 20:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/16/25 08:26	04/16/25 20:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*04/16/25 08:26*	*04/16/25 20:01*	*1*
o-Terphenyl	*124*		*70 - 130*	*04/16/25 08:26*	*04/16/25 20:01*	*1*

Lab Sample ID: LCS 880-107817/2-A
Matrix: Solid
Analysis Batch: 107854

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 107817

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1119		mg/Kg		112	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1110		mg/Kg		111	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*140*	*S1+*	*70 - 130*
o-Terphenyl	*130*		*70 - 130*

Lab Sample ID: LCSD 880-107817/3-A
Matrix: Solid
Analysis Batch: 107854

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 107817

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1087		mg/Kg		109	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	1114		mg/Kg		111	70 - 130	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*140*	*S1+*	*70 - 130*
o-Terphenyl	*133*	*S1+*	*70 - 130*

Lab Sample ID: 880-56944-7 MS
Matrix: Solid
Analysis Batch: 107854

Client Sample ID: H-7 (0-0.5')
Prep Type: Total/NA
Prep Batch: 107817

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	995	1033		mg/Kg		104	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	995	921.4		mg/Kg		93	70 - 130		

QC Sample Results

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56944-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-56944-7 MS
Matrix: Solid
Analysis Batch: 107854

Client Sample ID: H-7 (0-0.5')
Prep Type: Total/NA
Prep Batch: 107817

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*133*	*S1+*	*70 - 130*
o-Terphenyl	*124*		*70 - 130*

Lab Sample ID: 880-56944-7 MSD
Matrix: Solid
Analysis Batch: 107854

Client Sample ID: H-7 (0-0.5')
Prep Type: Total/NA
Prep Batch: 107817

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	995	1022		mg/Kg		103	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	995	895.7		mg/Kg		90	70 - 130	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*133*	*S1+*	*70 - 130*
o-Terphenyl	*123*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-56945-A-1-G MS
Matrix: Solid
Analysis Batch: 107869

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	788		251	1027		mg/Kg		95	90 - 110		

Lab Sample ID: 880-56945-A-1-H MSD
Matrix: Solid
Analysis Batch: 107869

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	788		251	1027		mg/Kg		95	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56944-1
SDG: Lea County, New Mexico

GC VOA

Prep Batch: 107789

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56944-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-56944-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-56944-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-56944-4	H-4 (0-0.5')	Total/NA	Solid	5035	
880-56944-5	H-5 (0-0.5')	Total/NA	Solid	5035	
880-56944-6	H-6 (0-0.5')	Total/NA	Solid	5035	
880-56944-7	H-7 (0-0.5')	Total/NA	Solid	5035	
880-56944-8	H-8 (0-0.5')	Total/NA	Solid	5035	
880-56944-9	H-9 (0-0.5')	Total/NA	Solid	5035	
MB 880-107789/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-107789/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-107789/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-56944-1 MS	H-1 (0-0.5')	Total/NA	Solid	5035	
880-56944-1 MSD	H-1 (0-0.5')	Total/NA	Solid	5035	

Analysis Batch: 107888

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56944-1	H-1 (0-0.5')	Total/NA	Solid	8021B	107789
880-56944-2	H-2 (0-0.5')	Total/NA	Solid	8021B	107789
880-56944-3	H-3 (0-0.5')	Total/NA	Solid	8021B	107789
880-56944-4	H-4 (0-0.5')	Total/NA	Solid	8021B	107789
880-56944-5	H-5 (0-0.5')	Total/NA	Solid	8021B	107789
880-56944-6	H-6 (0-0.5')	Total/NA	Solid	8021B	107789
880-56944-7	H-7 (0-0.5')	Total/NA	Solid	8021B	107789
880-56944-8	H-8 (0-0.5')	Total/NA	Solid	8021B	107789
880-56944-9	H-9 (0-0.5')	Total/NA	Solid	8021B	107789
MB 880-107789/5-A	Method Blank	Total/NA	Solid	8021B	107789
LCS 880-107789/1-A	Lab Control Sample	Total/NA	Solid	8021B	107789
LCSD 880-107789/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	107789
880-56944-1 MS	H-1 (0-0.5')	Total/NA	Solid	8021B	107789
880-56944-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8021B	107789

Analysis Batch: 107961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56944-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-56944-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-56944-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-56944-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-56944-5	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-56944-6	H-6 (0-0.5')	Total/NA	Solid	Total BTEX	
880-56944-7	H-7 (0-0.5')	Total/NA	Solid	Total BTEX	
880-56944-8	H-8 (0-0.5')	Total/NA	Solid	Total BTEX	
880-56944-9	H-9 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 107816

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56944-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-56944-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-56944-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56944-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 107816 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56944-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-56944-5	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-56944-6	H-6 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-107816/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-107816/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-107816/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-56915-A-21-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-56915-A-21-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 107817

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56944-7	H-7 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-56944-8	H-8 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-56944-9	H-9 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-107817/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-107817/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-107817/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-56944-7 MS	H-7 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-56944-7 MSD	H-7 (0-0.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 107854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56944-7	H-7 (0-0.5')	Total/NA	Solid	8015B NM	107817
880-56944-8	H-8 (0-0.5')	Total/NA	Solid	8015B NM	107817
880-56944-9	H-9 (0-0.5')	Total/NA	Solid	8015B NM	107817
MB 880-107817/1-A	Method Blank	Total/NA	Solid	8015B NM	107817
LCS 880-107817/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	107817
LCSD 880-107817/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	107817
880-56944-7 MS	H-7 (0-0.5')	Total/NA	Solid	8015B NM	107817
880-56944-7 MSD	H-7 (0-0.5')	Total/NA	Solid	8015B NM	107817

Analysis Batch: 107856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56944-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	107816
880-56944-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	107816
880-56944-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	107816
880-56944-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	107816
880-56944-5	H-5 (0-0.5')	Total/NA	Solid	8015B NM	107816
880-56944-6	H-6 (0-0.5')	Total/NA	Solid	8015B NM	107816
MB 880-107816/1-A	Method Blank	Total/NA	Solid	8015B NM	107816
LCS 880-107816/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	107816
LCSD 880-107816/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	107816
880-56915-A-21-B MS	Matrix Spike	Total/NA	Solid	8015B NM	107816
880-56915-A-21-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	107816

Analysis Batch: 107951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56944-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-56944-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-56944-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-56944-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56944-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 107951 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56944-5	H-5 (0-0.5')	Total/NA	Solid	8015 NM	
880-56944-6	H-6 (0-0.5')	Total/NA	Solid	8015 NM	
880-56944-7	H-7 (0-0.5')	Total/NA	Solid	8015 NM	
880-56944-8	H-8 (0-0.5')	Total/NA	Solid	8015 NM	
880-56944-9	H-9 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 107847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56944-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-56944-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-56944-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-56944-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-56944-5	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-56944-6	H-6 (0-0.5')	Soluble	Solid	DI Leach	
880-56944-7	H-7 (0-0.5')	Soluble	Solid	DI Leach	
880-56944-8	H-8 (0-0.5')	Soluble	Solid	DI Leach	
880-56944-9	H-9 (0-0.5')	Soluble	Solid	DI Leach	
880-56945-A-1-G MS	Matrix Spike	Soluble	Solid	DI Leach	
880-56945-A-1-H MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 107869

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56944-1	H-1 (0-0.5')	Soluble	Solid	300.0	107847
880-56944-2	H-2 (0-0.5')	Soluble	Solid	300.0	107847
880-56944-3	H-3 (0-0.5')	Soluble	Solid	300.0	107847
880-56944-4	H-4 (0-0.5')	Soluble	Solid	300.0	107847
880-56944-5	H-5 (0-0.5')	Soluble	Solid	300.0	107847
880-56944-6	H-6 (0-0.5')	Soluble	Solid	300.0	107847
880-56944-7	H-7 (0-0.5')	Soluble	Solid	300.0	107847
880-56944-8	H-8 (0-0.5')	Soluble	Solid	300.0	107847
880-56944-9	H-9 (0-0.5')	Soluble	Solid	300.0	107847
880-56945-A-1-G MS	Matrix Spike	Soluble	Solid	300.0	107847
880-56945-A-1-H MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	107847

Lab Chronicle

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56944-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-56944-1
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	107789	04/15/25 16:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	107888	04/16/25 17:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			107961	04/16/25 17:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			107951	04/16/25 17:30	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	107816	04/16/25 08:21	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	107856	04/16/25 17:30	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	107847	04/16/25 10:00	SA	EET MID
Soluble	Analysis	300.0		1			107869	04/16/25 14:51	CH	EET MID

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

Lab Sample ID: 880-56944-2
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

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	107789	04/15/25 16:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	107888	04/16/25 18:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			107961	04/16/25 18:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			107951	04/16/25 17:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	107816	04/16/25 08:21	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	107856	04/16/25 17:45	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	107847	04/16/25 10:00	SA	EET MID
Soluble	Analysis	300.0		1			107869	04/16/25 14:56	CH	EET MID

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

Lab Sample ID: 880-56944-3
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

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	107789	04/15/25 16:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	107888	04/16/25 18:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			107961	04/16/25 18:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			107951	04/16/25 18:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	107816	04/16/25 08:21	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	107856	04/16/25 18:00	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	107847	04/16/25 10:00	SA	EET MID
Soluble	Analysis	300.0		1			107869	04/16/25 15:01	CH	EET MID

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

Lab Sample ID: 880-56944-4
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

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	107789	04/15/25 16:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	107888	04/16/25 18:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			107961	04/16/25 18:56	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56944-1
SDG: Lea County, New Mexico

Client Sample ID: H-4 (0-0.5')
Lab Sample ID: 880-56944-4

Date Collected: 04/15/25 00:00
Matrix: Solid
Date Received: 04/15/25 16:36

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			107951	04/16/25 18:15	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	107816	04/16/25 08:21	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	107856	04/16/25 18:15	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	107847	04/16/25 10:00	SA	EET MID
Soluble	Analysis	300.0		1			107869	04/16/25 15:06	CH	EET MID

Client Sample ID: H-5 (0-0.5')
Lab Sample ID: 880-56944-5

Date Collected: 04/15/25 00:00
Matrix: Solid
Date Received: 04/15/25 16:36

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	107789	04/15/25 16:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	107888	04/16/25 19:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			107961	04/16/25 19:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			107951	04/16/25 18:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	107816	04/16/25 08:21	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	107856	04/16/25 18:30	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	107847	04/16/25 10:00	SA	EET MID
Soluble	Analysis	300.0		1			107869	04/16/25 16:26	CH	EET MID

Client Sample ID: H-6 (0-0.5')
Lab Sample ID: 880-56944-6

Date Collected: 04/15/25 00:00
Matrix: Solid
Date Received: 04/15/25 16:36

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	107789	04/15/25 16:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	107888	04/16/25 19:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			107961	04/16/25 19:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			107951	04/16/25 18:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	107816	04/16/25 08:21	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	107856	04/16/25 18:45	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	107847	04/16/25 10:00	SA	EET MID
Soluble	Analysis	300.0		1			107869	04/16/25 16:31	CH	EET MID

Client Sample ID: H-7 (0-0.5')
Lab Sample ID: 880-56944-7

Date Collected: 04/15/25 00:00
Matrix: Solid
Date Received: 04/15/25 16:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	107789	04/15/25 16:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	107888	04/16/25 19:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			107961	04/16/25 19:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			107951	04/16/25 20:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	107817	04/16/25 08:26	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	107854	04/16/25 20:45	TKC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56944-1
SDG: Lea County, New Mexico

Client Sample ID: H-7 (0-0.5')

Lab Sample ID: 880-56944-7
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	107847	04/16/25 10:00	SA	EET MID
Soluble	Analysis	300.0		1			107869	04/16/25 16:36	CH	EET MID

Client Sample ID: H-8 (0-0.5')

Lab Sample ID: 880-56944-8
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

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	107789	04/15/25 16:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	107888	04/16/25 20:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			107961	04/16/25 20:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			107951	04/16/25 21:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	107817	04/16/25 08:26	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	107854	04/16/25 21:29	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	107847	04/16/25 10:00	SA	EET MID
Soluble	Analysis	300.0		1			107869	04/16/25 16:41	CH	EET MID

Client Sample ID: H-9 (0-0.5')

Lab Sample ID: 880-56944-9
Matrix: Solid
Date Collected: 04/15/25 00:00
Date Received: 04/15/25 16:36

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	107789	04/15/25 16:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	107888	04/16/25 20:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			107961	04/16/25 20:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			107951	04/16/25 21:46	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	107817	04/16/25 08:26	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	107854	04/16/25 21:46	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	107847	04/16/25 10:00	SA	EET MID
Soluble	Analysis	300.0		1			107869	04/16/25 16:46	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Job ID: 880-56944-1
Project/Site: Tatanka Federal Com 4H CTB
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	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
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56944-1
SDG: Lea County, New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Tatanka Federal Com 4H CTB

Job ID: 880-56944-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-56944-1	H-1 (0-0.5')	Solid	04/15/25 00:00	04/15/25 16:36
880-56944-2	H-2 (0-0.5')	Solid	04/15/25 00:00	04/15/25 16:36
880-56944-3	H-3 (0-0.5')	Solid	04/15/25 00:00	04/15/25 16:36
880-56944-4	H-4 (0-0.5')	Solid	04/15/25 00:00	04/15/25 16:36
880-56944-5	H-5 (0-0.5')	Solid	04/15/25 00:00	04/15/25 16:36
880-56944-6	H-6 (0-0.5')	Solid	04/15/25 00:00	04/15/25 16:36
880-56944-7	H-7 (0-0.5')	Solid	04/15/25 00:00	04/15/25 16:36
880-56944-8	H-8 (0-0.5')	Solid	04/15/25 00:00	04/15/25 16:36
880-56944-9	H-9 (0-0.5')	Solid	04/15/25 00:00	04/15/25 16:36

Chain of Custody

880-56944 Chain of Custody

Project Manager:	Ashton Thielke	Bill to: (if different)	Laci Luig
Company Name:	Carmona Resources	Company Name:	Cimarex Energy
Address:	310 W Wall St Ste 500	Address:	600 N Marienfield St, Suite 600
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	laci.luig@coterra.com & ashton.thielke@coterra.com

Work Order Comments

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

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Tatanka Federal Com 4H CTB	Turn Around		Pres. Code	
Project Number:	2700	☐ Routine	☑ Rush		
Project Location	Lea County, New Mexico	Due Date:	72 hr.		
Sampler's Name:	GPJ/JM				
PO #:					

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
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	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold	Sample Comments
H-1 (0-0.5')	4/15/2025		X		G	1	X	X	X		
H-2 (0-0.5')	4/15/2025		X		G	1	X	X	X		
H-3 (0-0.5')	4/15/2025		X		G	1	X	X	X		
H-4 (0-0.5')	4/15/2025		X		G	1	X	X	X		
H-5 (0-0.5')	4/15/2025		X		G	1	X	X	X		
H-6 (0-0.5')	4/15/2025		X		G	1	X	X	X		
H-7 (0-0.5')	4/15/2025		X		G	1	X	X	X		
H-8 (0-0.5')	4/15/2025		X		G	1	X	X	X		
H-9 (0-0.5')	4/15/2025		X		G	1	X	X	X		

Preservative Codes

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

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			4/15/25 1608

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-56944-1
SDG Number: Lea County, New Mexico

Login Number: 56944
List Number: 1
Creator: Vasquez, Julisa

List Source: Eurofins Midland

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

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

QUESTIONS

Action 455239

QUESTIONS

Operator: Coterra Energy Operating F LLC 6001 Deauville Blvd. Midland, TX 79706	OGRID: 373910
	Action Number: 455239
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2507941450**
Incident Name	**NAPP2507941450 TATANKA FEDERAL COM 4H CTB @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Deferral Request Received**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Tatanka Federal Com 4H CTB
Date Release Discovered	03/20/2025
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: Corrosion | Fitting | Produced Water | Released: 344 BBL | Recovered: 344 BBL | Lost: 0 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)	The Lease Operator arrived on location this morning and found fluid accumulated inside the lined containment. Further investigation revealed that a 3" carbon steel nipple on a 3" 90° fitting had corroded. The nipple was on a bypass line on the discharge side of the water transfer pump, which allowed fluids from the water tank to drain into the containment area. An estimated 344 barrels produced water was released into the lined containment. The containment was not equipped with a berm kill switch, and an issue with the facility comm's prevented an alarm from being sent. Vac trucks have recovered all fluids from the lined containment and the containment is scheduled to be washed. A liner inspection will be scheduled in the coming days.

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QUESTIONS (continued)

Operator: Coterra Energy Operating F LLC 6001 Deauville Blvd. Midland, TX 79706	OGRID: 373910
	Action Number: 455239
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

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: Laci Luig Title: ES&H Specialist Email: DL_PermianEnvironmental@coterra.com Date: 04/24/2025

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QUESTIONS (continued)

Operator: Coterra Energy Operating F LLC 6001 Deauville Blvd. Midland, TX 79706	OGRID: 373910
	Action Number: 455239
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 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	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 200 and 300 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	5850
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	01/01/2030
On what date will (or did) the final sampling or liner inspection occur	01/01/2030
On what date will (or was) the remediation complete(d)	01/15/2030
What is the estimated surface area (in square feet) that will be reclaimed	2665
What is the estimated volume (in cubic yards) that will be reclaimed	201
What is the estimated surface area (in square feet) that will be remediated	2665
What is the estimated volume (in cubic yards) that will be remediated	201
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: Coterra Energy Operating F LLC 6001 Deauville Blvd. Midland, TX 79706	OGRID: 373910
	Action Number: 455239
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	LEA LAND LANDFILL [fEEM0112342028]
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.*
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Laci Luig Title: ES&H Specialist Email: DL_PermianEnvironmental@coterra.com Date: 04/24/2025
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: Coterra Energy Operating F LLC 6001 Deauville Blvd. Midland, TX 79706	OGRID: 373910
	Action Number: 455239
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

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	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	During the liner inspection, holes were noticed in multiple spots throughout the containment. A site assessment was conducted through the holes with hand augers to collect soil samples below the containment. The area was vertically and horizontally delineated to the best of our ability. The liner has since been repaired. Remediation of the contamination under the containment would require the entire tank battery facility to be deconstructed.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	2665
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	201
Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.	
Enter the facility ID (f#) on which this deferral should be granted	*Not answered.*
Enter the well API (30-) on which this deferral should be granted	30-025-44570 TATANKA FEDERAL COM #004H
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Laci Luig Title: ES&H Specialist Email: DL_PermianEnvironmental@coterra.com Date: 04/24/2025

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

QUESTIONS (continued)

Operator: Coterra Energy Operating F LLC 6001 Deauville Blvd. Midland, TX 79706	OGRID: 373910
	Action Number: 455239
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	***{Unavailable.}***

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	No

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

Operator: Coterra Energy Operating F LLC 6001 Deauville Blvd. Midland, TX 79706	OGRID: 373910
	Action Number: 455239
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Deferral is approved. Remediation Due date will be left open until the site has been plugged and abandoned or a major facility deconstruction takes place.	6/30/2025