

CARMONA RESOURCES



SITE INFORMATION

Closure Report
Culebra Bluff East CTB (07.06.2025)
Incident ID: nAPP2518842587
Eddy County, New Mexico
Unit F Sec 08 T24S R29E
32.233892°, -104.008258°

Produced Water Release
Point of Release: Pinhole in Pipe Caused by Corrosion
Release Date: 07.06.2025
Volume Released: 18 Barrels of Produced Water
Volume Recovered: 10 Barrels of Produced Water

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Prepared for:
Chevron U.S.A, Inc.
6301 Deauville Blvd
Midland, Texas 79706

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

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



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September 10, 2025

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

**Re: Closure Report
Culebra Bluff East CTB (07.06.2025)
Incident ID: nAPP2518842587
Chevron U.S.A., Inc.
Site Location: Unit F, S08, T24S, R29E
(Lat 32.233892°, Long -104.008258°)
Eddy County, New Mexico**

Mr. Bratcher:

On behalf of Chevron U.S.A., Inc. (Chevron), Carmona Resources, LLC has prepared this letter to document the site assessment and remediation activities for the Culebra Bluff East CTB. The site is located at 32.233892°, -104.008258° within Unit F, S08, T24S, R29E, in Eddy County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on July 6, 2025, due to a pinhole in a pipe caused by corrosion. The incident released approximately eighteen (18) barrels of produced water, with ten (10) barrels of produced water recovered. The impacted area occurred on pad as 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 medium 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 0.5 mile radius of the location. The nearest Groundwater Determination Bore (GWDB) is located approximately 0.49 miles North of the site in S05, T24S, R29E, and was drilled in 2020. The GWDB was drilled to a depth of 115 feet below ground surface (ft bgs), with groundwater detected at 70.30 ft bgs and remained unchanged after 72 hours. 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 was utilized in assessing the site:

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



4.0 Site Assessment Activities

Initial Assessment

On July 22, 2025, Carmona Resources personnel performed a drilling assessment with an air rotary rig to evaluate soil impacts stemming from the release. A total of four (4) borehole samples (BH-1 through BH-4) and five (5) horizontal samples (H-1 through H-5) were installed to total depths ranging from surface to 5.0 ft bgs inside and surrounding the release area. 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 Labs 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 areas for Benzene, total BTEX, TPH, and Chloride. Refer to Table 1.

Horizontal Delineation

Horizontal delineation was achieved in all areas for Benzene, total BTEX, TPH, and Chloride. Refer to Table 1.

5.0 Remediation Activities

Beginning on August 26, 2025, Carmona Resources personnel were onsite to supervise the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via NMOCD portal on August 22, 2025 and September 4, 2025, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The areas of BH-1 and BH-3 were excavated to a depth of 1.5-1.75 ft bgs with an estimated combined square footage of 2,023. The area of BH-2 was excavated to a depth of 2.5 ft bgs with an estimated square footage of 189. The areas of BH-4 were excavated to a depth of 0.5 ft bgs with an estimated square footage of 555. A total of fourteen (14) confirmation floor samples (CS-1 through CS-14) were collected, and fourteen (14) sidewall samples (SW-1 through SW-14) were collected every 200 square feet to ensure the proper removal of contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and Chloride by EPA method 4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 4.

All final confirmation samples were below the regulatory requirements for Benzene, total BTEX, TPH, and Chloride concentrations. Refer to Table 2.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. A composite sample of the backfill material was collected for laboratory analysis on September 8, 2025, before being utilized. The backfill material was sourced from the Lea Land Landfill located at 32.52900°, -103.78344°. Refer to Table 2. Approximately 2,767 square feet of contamination was remediated, resulting in 174 cubic yards of material being excavated and transported offsite for proper disposal.



6.0 Conclusions

Based on the assessment results and the analytical data, no further actions are required at the site. Chevron formally requests the closure of this incident. If you have any questions regarding this report or need additional information, please get in touch with us at 432-813-8988.

Sincerely,
Carmona Resources, LLC

Ashton Thielke
Environmental Manager

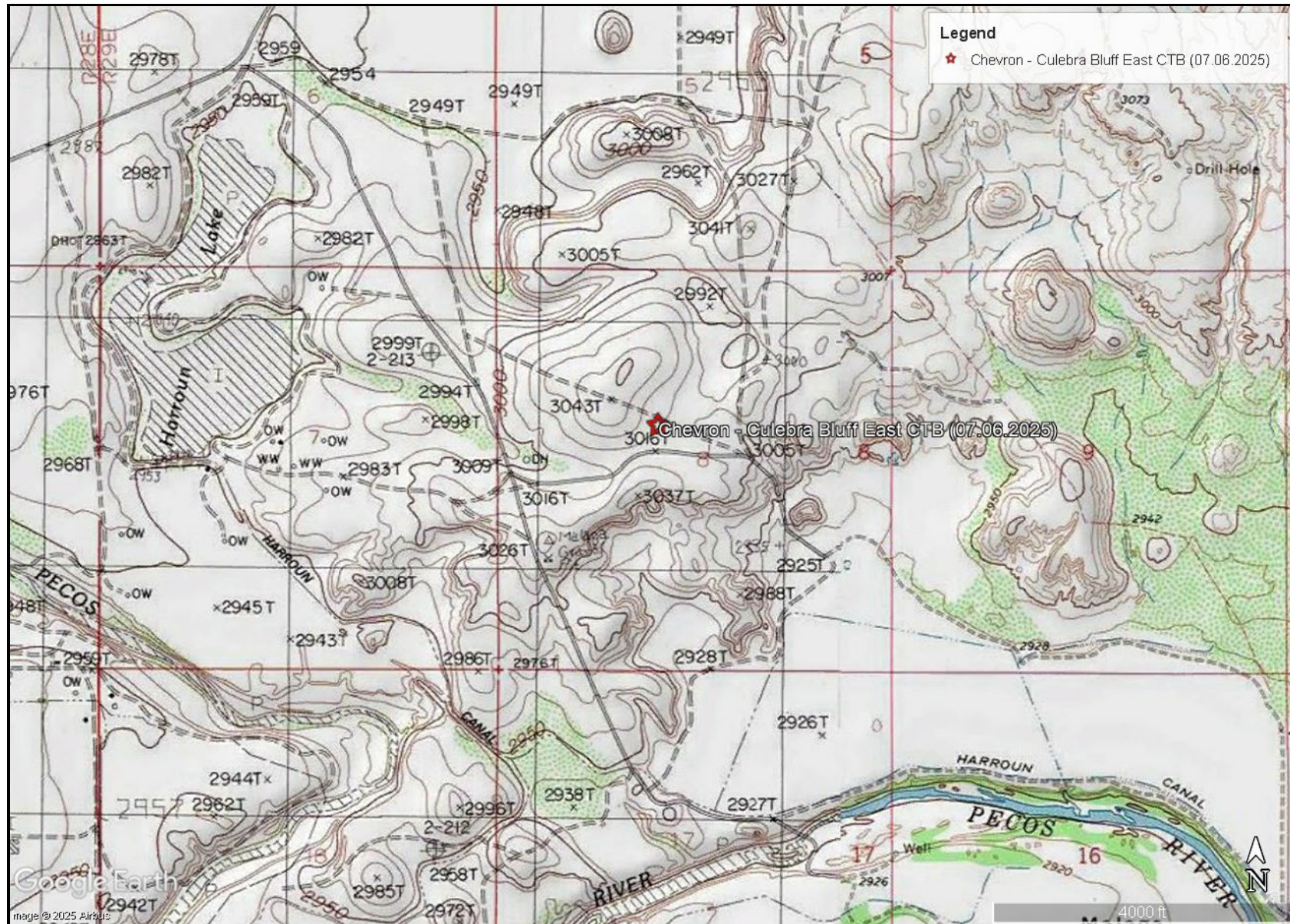
Gilbert Priego
Project Manager

FIGURES

CARMONA RESOURCES





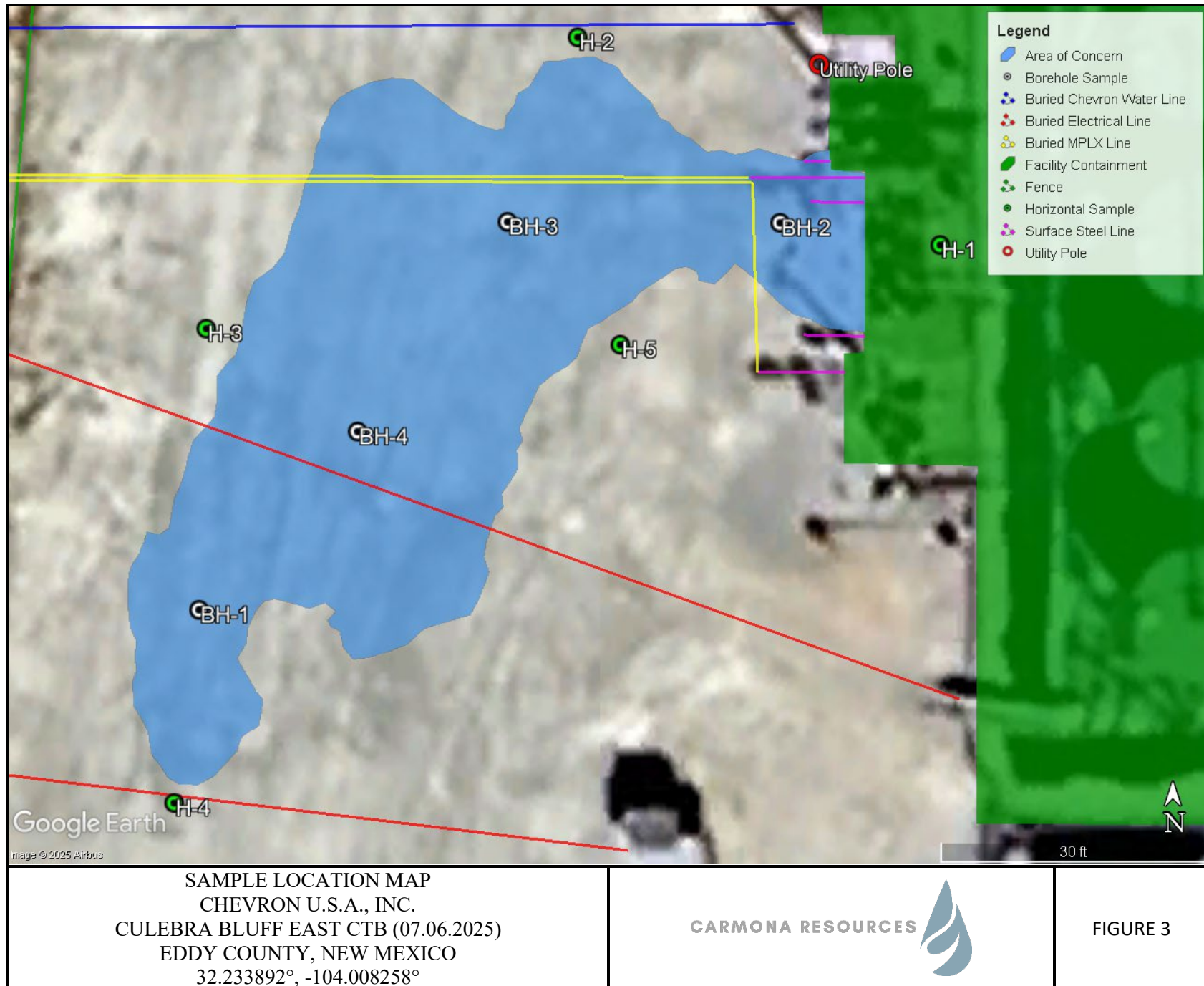


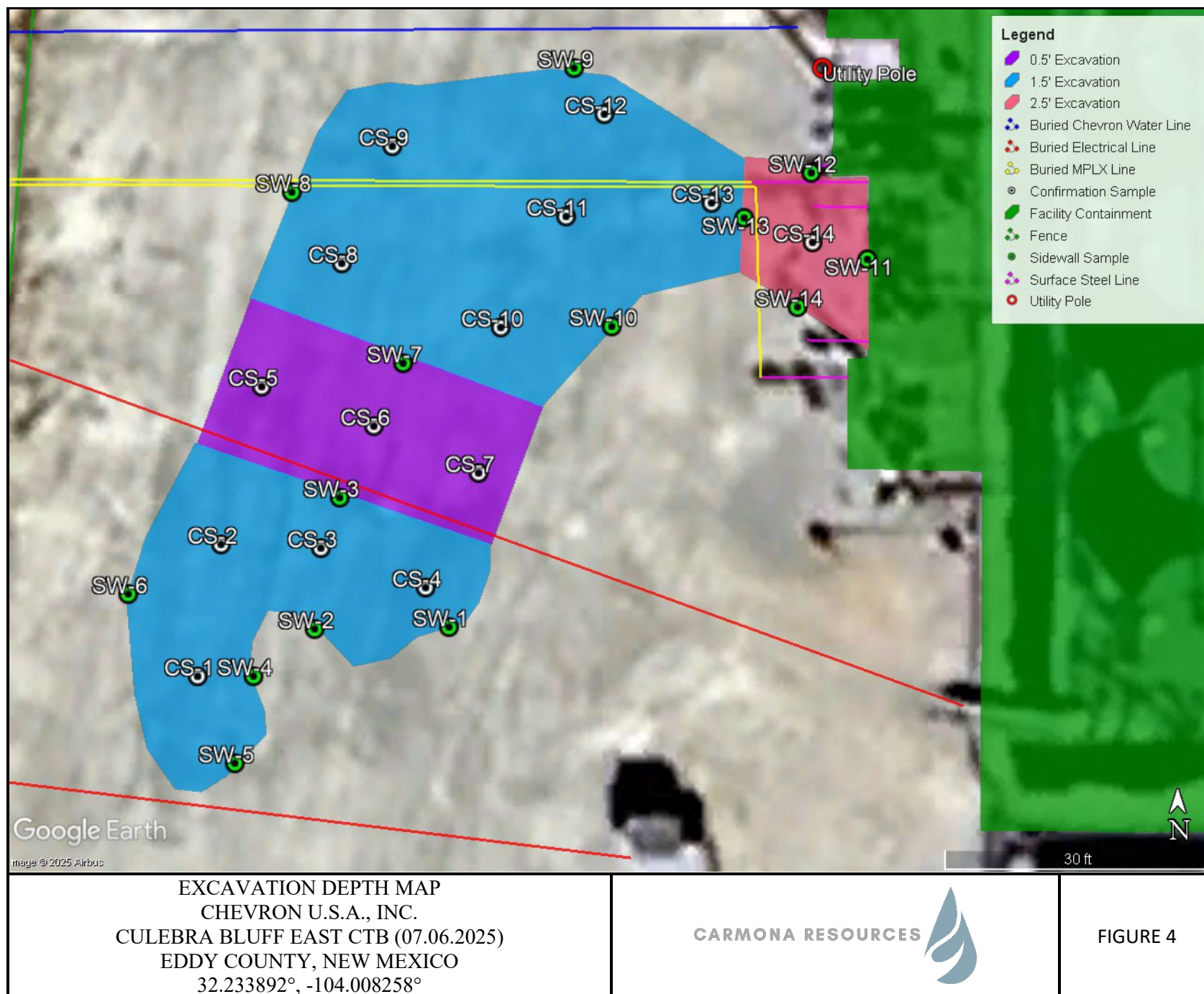
TOPOGRAPHIC MAP
 CHEVRON U.S.A., INC.
 CULEBRA BLUFF EAST CTB (07.06.2025)
 EDDY COUNTY, NEW MEXICO
 32.233892°, -104.008258°

CARMONA RESOURCES



FIGURE 2





APPENDIX A

CARMONA RESOURCES



Table 1
Chevron U.S.A., Inc.
Culebra Bluff East CTB (07.06.2025)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
BH-1	7/22/2025	0-1.0'	<49.9	299	<49.9	299	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	7,170
	"	2.0'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	539
	"	3.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	153
	"	4.0'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	174
	"	5.0'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	160
BH-2	7/22/2025	0-1.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,410
	"	2.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	711
	"	3.0'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	195
BH-3	7/22/2025	0-1.0'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,090
	"	2.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	70.7
	"	3.0'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	51.4
BH-4	7/22/2025	0-1.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	544
	"	2.0'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	272
	"	3.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	248
Regulatory Criteria^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(BH) - Borehole Sample

 Removed

Table 1
Chevron U.S.A., Inc.
Culebra Bluff East CTB (07.06.2025)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
H-1	7/22/2025	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<9.94
H-2	7/22/2025	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	122
H-3	7/22/2025	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	337
H-4	7/22/2025	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	20.4
H-5	7/22/2025	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	250
Regulatory Criteria ^A			100 mg/kg				10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(H) Horizontal Sample

Table 2
Chevron U.S.A., Inc.
Culebra Bluff East CTB (07.06.2025)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	9/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	688
	9/8/2025	1.75'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-2	9/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-3	9/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	288
CS-4	9/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-5	9/2/2025	0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
CS-6	9/2/2025	0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
CS-7	9/2/2025	0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
CS-8	9/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	512
CS-9	9/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-10	9/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	544
CS-11	9/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	512
CS-12	9/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	528
CS-13	9/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-14	9/2/2025	2.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
Regulatory Criteria^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(CS) Confirmation Sample

Removed

Table 2
Chevron U.S.A., Inc.
Culebra Bluff East CTB (07.06.2025)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-1	9/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
SW-2	9/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
SW-3	9/2/2025	0.5'-1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	560
SW-4	9/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
SW-5	9/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304
SW-6	9/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	336
SW-7	9/2/2025	0.5'-1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	336
SW-8	9/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	432
SW-9	9/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304
SW-10	9/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
SW-11	9/2/2025	2.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
SW-12	9/2/2025	2.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	480
SW-13	9/2/2025	1.5'-2.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
SW-14	9/2/2025	2.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
Backfill Sample	9/8/2025	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
Regulatory Criteria^A						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(SW) Sidewall Sample

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Chevron U.S.A., Inc.

Photograph No. 1

Facility: Culebra Bluff East CTB
(07.06.2025)

County: Eddy County, New Mexico

Description:

View Southeast, area of CS-1 through CS-4.



Photograph No. 2

Facility: Culebra Bluff East CTB
(07.06.2025)

County: Eddy County, New Mexico

Description:

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



Photograph No. 3

Facility: Culebra Bluff East CTB
(07.06.2025)

County: Eddy County, New Mexico

Description:

View East, area of CS-8 through CS-14.



CARMONA RESOURCES



PHOTOGRAPHIC LOG

Chevron U.S.A., Inc.

Photograph No. 4

Facility: Culebra Bluff East CTB
(07.06.2025)

County: Eddy County, New Mexico

Description:

View Southwest, area of CS-8 through CS-14.

Area near buried utilities were hydro-excavated



Photograph No. 5

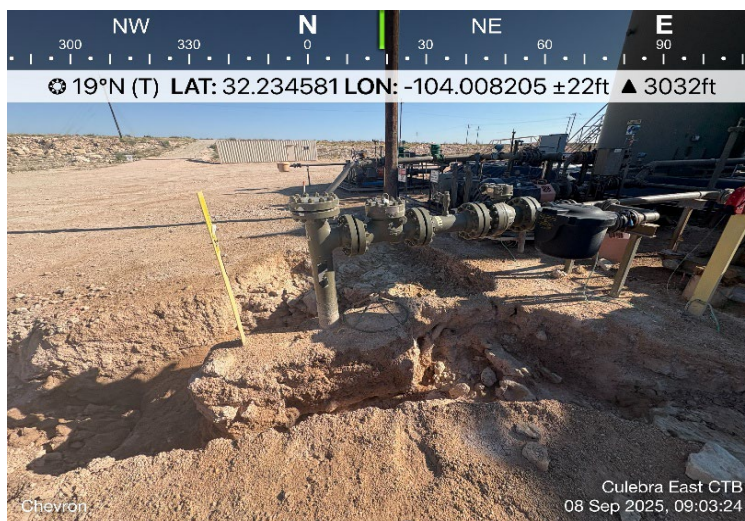
Facility: Culebra Bluff East CTB
(07.06.2025)

County: Eddy County, New Mexico

Description:

View North, area of CS-14.

Area near buried utilities were hydro-excavated



Photograph No. 6

Facility: Culebra Bluff East CTB
(07.06.2025)

County: Eddy County, New Mexico

Description:

View Northwest, area of CS-8 through CS-13.



PHOTOGRAPHIC LOG

Chevron U.S.A., Inc.

Photograph No. 7

Facility: Culebra Bluff East CTB
(07.06.2025)

County: Eddy County, New Mexico

Description:
View East of backfilled area.

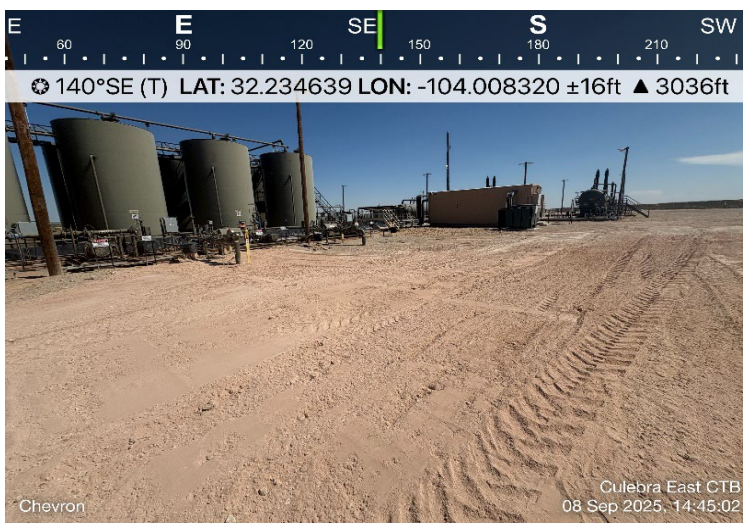


Photograph No. 8

Facility: Culebra Bluff East CTB
(07.06.2025)

County: Eddy County, New Mexico

Description:
View Southeast of backfilled area.



APPENDIX C

CARMONA RESOURCES



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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 482126

QUESTIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 482126
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source <i>Please answer all the questions in this group.</i>	
Site Name	Culebra Bluff East CTB
Date Release Discovered	07/06/2025
Surface Owner	Federal

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

Nature and Volume of Release <i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Valve Produced Water Released: 18 BBL Recovered: 10 BBL Lost: 8 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)	Not answered.

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 2

Action 482126

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 482126
	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	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
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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General Information
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Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

ACKNOWLEDGMENTS

Action 482126

ACKNOWLEDGMENTS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 482126
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

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

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CONDITIONS

Action 482126

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 482126
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
klincoln	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	7/7/2025

Equipment Description: Produced water line
Immediate Actions Taken: Isolated off piping upstream and downstream and called a truck to remove fluid from line
Failure Description: Pin hole in pipe caused by corrosion

Spilled Material: Produced Water Only
Oil Released: bbl
Oil Recovered: bbl
Water Released: 0.358 bbl
Water Recovered: bbl

Calculation Details									
Area	Shape	Secondary Containment	Standing Liquid Dimension	Standing Liquid Volume	Water Cut	Oil Volume	Penetration Depth	Water to Soil Volume	Water Volume
1	Rectangle	Caliche	7 ft x 4 ft x 0.125 in	0.068 bbl	100%	0.000 bbl	.25 in	0.016 bbl	0.068 bbl
2	Rectangle	Caliche	30 ft x 4 ft x .125 in	0.290 bbl	100%	0.000 bbl	.25 in	0.067 bbl	0.29 bbl
3					%				
4					%				
5					%				
6					%				
7					%				
Rec Vol									
Total Vol									0.358

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QUESTIONS

Action 482135

QUESTIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 482135
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2518842587
Incident Name	NAPP2518842587 CULEBRA BLUFF EAST CTB @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received
Incident Facility	[fAPP2132748883] Culebra Bluff East CTB

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Culebra Bluff East CTB
Date Release Discovered	07/06/2025
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: Equipment Failure Valve Produced Water Released: 18 BBL Recovered: 10 BBL Lost: 8 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)	Not answered.

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QUESTIONS, Page 2

Action 482135

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 482135
	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	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
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: Kennedy Lincoln Title: Environmental Specialist Email: kennedy.lincoln@chevron.com Date: 07/07/2025
----------------------------------------------------	--------------------------------------------------------------------------------------------------------------------

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QUESTIONS, Page 3

Action 482135

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 482135
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Not answered.
What method was used to determine the depth to ground water	Not answered.
Did this release impact groundwater or surface water	Not answered.
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Not answered.
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Not answered.
An occupied permanent residence, school, hospital, institution, or church	Not answered.
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Not answered.
Any other fresh water well or spring	Not answered.
Incorporated municipal boundaries or a defined municipal fresh water well field	Not answered.
A wetland	Not answered.
A subsurface mine	Not answered.
An (non-karst) unstable area	Not answered.
Categorize the risk of this well / site being in a karst geology	Not answered.
A 100-year floodplain	Not answered.
Did the release impact areas not on an exploration, development, production, or storage site	Not answered.

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

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Oil Conservation Division
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CONDITIONS

Action 482135

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 482135
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	None	7/7/2025

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QUESTIONS

Action 498359

QUESTIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 498359
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2518842587
Incident Name	NAPP2518842587 CULEBRA BLUFF EAST CTB @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2132748883] Culebra Bluff East CTB

Location of Release Source	
Site Name	CULEBRA BLUFF EAST CTB
Date Release Discovered	07/06/2025
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	3,200
What is the estimated number of samples that will be gathered	25
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/27/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Carmona Resources – 432-813-8988
Please provide any information necessary for navigation to sampling site	“(32.233892°, -104.008258°) Carmona Resources will be onsite to collect confirmation floor samples from the excavation taking place onsite.

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General Information
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CONDITIONS

Action 498359

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 498359
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
klincoln	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	8/22/2025
klincoln	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	8/22/2025

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Santa Fe, NM 87505

QUESTIONS

Action 498360

QUESTIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 498360
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2518842587
Incident Name	NAPP2518842587 CULEBRA BLUFF EAST CTB @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2132748883] Culebra Bluff East CTB

Location of Release Source	
Site Name	CULEBRA BLUFF EAST CTB
Date Release Discovered	07/06/2025
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	3,200
What is the estimated number of samples that will be gathered	25
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/28/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Carmona Resources – 432-813-8988
Please provide any information necessary for navigation to sampling site	“(32.233892°, -104.008258°) Carmona Resources will be onsite to collect confirmation floor samples from the excavation taking place onsite.

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Energy, Minerals and Natural Resources
Oil Conservation Division
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CONDITIONS

Action 498360

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 498360
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
klincoln	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	8/22/2025
klincoln	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	8/22/2025

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QUESTIONS

Action 498363

QUESTIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 498363
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2518842587
Incident Name	NAPP2518842587 CULEBRA BLUFF EAST CTB @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2132748883] Culebra Bluff East CTB

Location of Release Source	
Site Name	CULEBRA BLUFF EAST CTB
Date Release Discovered	07/06/2025
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	3,200
What is the estimated number of samples that will be gathered	25
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/29/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Carmona Resources – 432-813-8988
Please provide any information necessary for navigation to sampling site	“(32.233892°, -104.008258°) Carmona Resources will be onsite to collect confirmation floor samples from the excavation taking place onsite.

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CONDITIONS

Action 498363

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 498363
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
klincoln	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	8/22/2025
klincoln	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	8/22/2025

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QUESTIONS

Action 498365

QUESTIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 498365
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2518842587
Incident Name	NAPP2518842587 CULEBRA BLUFF EAST CTB @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2132748883] Culebra Bluff East CTB

Location of Release Source	
Site Name	CULEBRA BLUFF EAST CTB
Date Release Discovered	07/06/2025
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	3,200
What is the estimated number of samples that will be gathered	25
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/02/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Carmona Resources – 432-813-8988
Please provide any information necessary for navigation to sampling site	“(32.233892°, -104.008258°) Carmona Resources will be onsite to collect confirmation floor samples from the excavation taking place onsite.

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CONDITIONS

Action 498365

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 498365
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
klincoln	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	8/22/2025
klincoln	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	8/22/2025

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QUESTIONS

Action 502969

QUESTIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 502969
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2518842587
Incident Name	NAPP2518842587 CULEBRA BLUFF EAST CTB @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2132748883] Culebra Bluff East CTB

Location of Release Source	
Site Name	CULEBRA BLUFF EAST CTB
Date Release Discovered	07/06/2025
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	3,200
What is the estimated number of samples that will be gathered	1
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/08/2025
Time sampling will commence	12:00 PM
Please provide any information necessary for observers to contact samplers	Sampler Contact: Carmona Resources – 432-813-8988
Please provide any information necessary for navigation to sampling site	Coordinates: "(32.233892°, -104.008258°)" Carmona Resources will be onsite to collect 1 additional composite confirmation sample.

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CONDITIONS

Action 502969

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 502969
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
klincoln	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	9/4/2025
klincoln	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	9/4/2025

APPENDIX D

CARMONA RESOURCES



Nearest water well

CHEVRON U S A INC

Legend

- 0.49 Miles
- 0.50 Mile Radius
- 0.83 Miles
- Culebra Bluff East CTB (07.06.2025)
- Groundwater Determination Bore
- USGS Water Well



Medium Karst

CHEVRON U S A INC

Legend

Culebra Bluff East CTB (07.06.2025)

Medium

Culebra Bluff East CTB (07.06.2025)





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are
smallest to
largest)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	(meters)	(In feet)		
													Distance	Well Depth	Depth Water	Water Column
C 03615 POD2		CUB	ED	SE	NE	SE	06	24S	29E	592661.4	3568013.9		1447	60	26	34
C 04979 POD4		CUB	ED	SE	NE	NE	17	24S	29E	594410.5	3565425.4		1677	40		
C 00381	C	CUB	ED	SW	NE	SW	07	24S	29E	591682.0	3566297.0 *		1824	2797		
C 02713		CUB	ED	SE	SE	NW	16	24S	29E	591633.3	3565944.4		1993	230	18	212
C 00863		CUB	ED	SW	SW	NW	16	24S	29E	594524.0	3565091.0 *		2018	220		
C 00863 CLW199506	O	CUB	ED	SW	SW	NW	16	24S	29E	594524.0	3565091.0 *		2018	220		
C 03615 POD1		CUB	ED	NW	SW	NE	06	24S	29E	591963.5	3568500.3		2256	60	36	24
C 04979 POD3		CUB	ED	SW	NW	NE	16	24S	29E	595324.9	3565487.0		2294	40		

Average Depth to Water: 26 feet

Minimum Depth: 18 feet

Maximum Depth: 36 feet

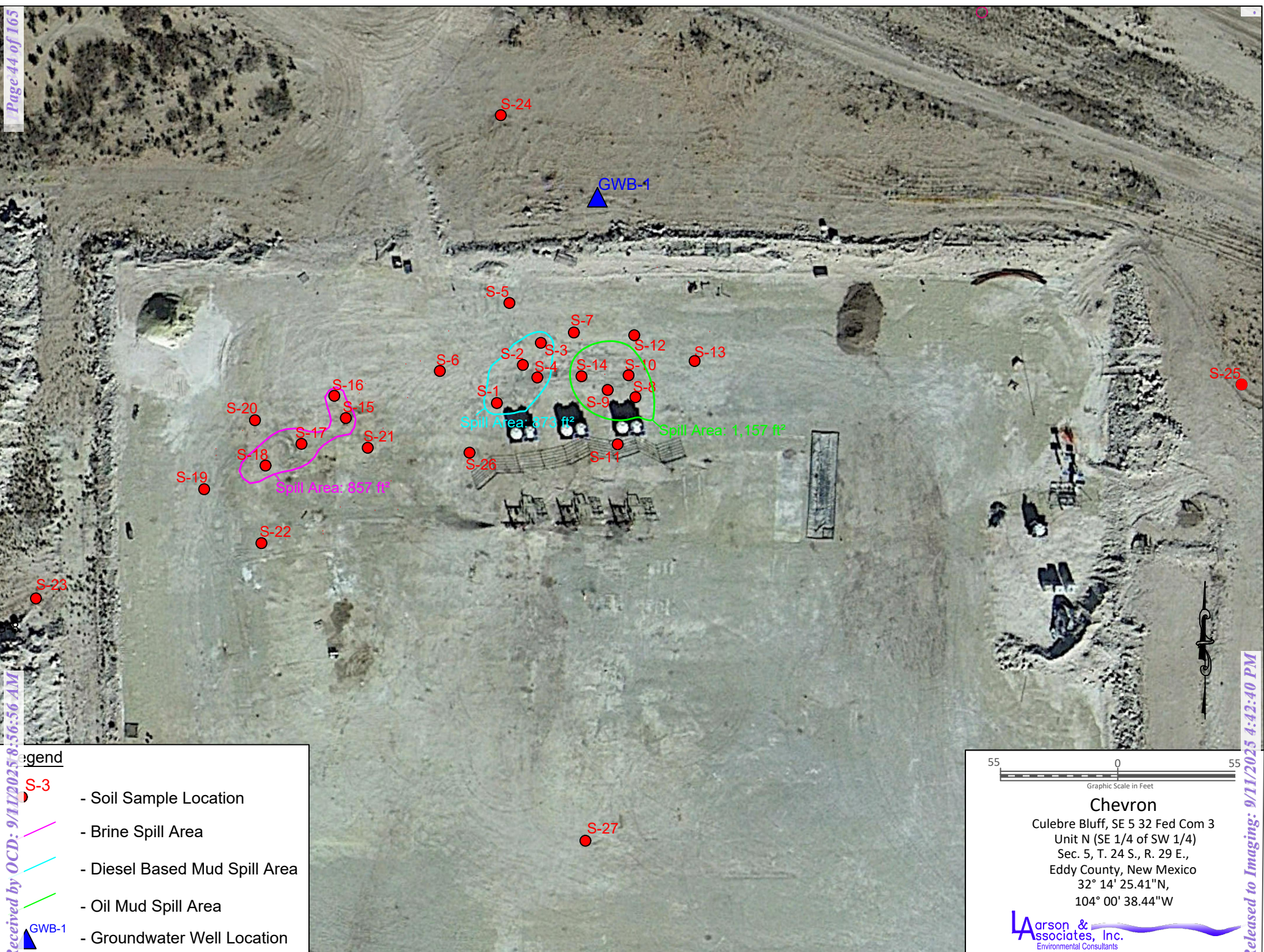
Record Count: 8

UTM Filters (in meters):

Easting: 593438.00
Northing: 3566792.00
Radius: 2500

* UTM location was derived from PLSS - see Help

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



Legend

- S-3 - Soil Sample Location
- - Brine Spill Area
- - Diesel Based Mud Spill Area
- - Oil Mud Spill Area
- ▲ GWB-1 - Groundwater Well Location

55 0 55
Graphic Scale in Feet

Chevron
 Culebre Bluff, SE 5 32 Fed Com 3
 Unit N (SE 1/4 of SW 1/4)
 Sec. 5, T. 24 S., R. 29 E.,
 Eddy County, New Mexico
 32° 14' 25.41"N,
 104° 00' 38.44"W

Larson & Associates, Inc.
 Environmental Consultants

Figure 3 - Aerial Map Showing Groundwater Well Location

BORING RECORD

GEOLOGIC UNIT	DEPTH	Start: 11:33 Finish: 13:51 DESCRIPTION LITHOLOGIC	DESCRIPTION USCS	GRAPHIC LOG	PID READING										SAMPLE			REMARKS		
					PPM X _____										NUMBER	PID READING	RECOVERY	DEPTH	BACKGROUND PID READING	
					2	4	6	8	10	12	14	16	18							
	0	Caliche, 7.5YR 8/3, Pink, 1-10mm Angular Clasts, Poorly Sorted	Caliche															1		
	5	Sand, 7.5YR 8/3, Pink, Medium Quartz Sand, Poorly Sorted, 1-10mm Angular Clasts, Sandstone, Well Rounded Quartz	SandStone															5		
	10																		10	
	15	10YR 8/3, Very Pale Brown, Medium Quartz Sand, Poorly Sorted, 1-10mm Angular Clasts, Poorly Sorted, Sandstone, Well Rounded Quartz																	15	
	20																		20	
	25																		25	
	30																		30	
	35	10YR 7/4, Very Pale Brown, Fine Quartz Sand, Moderately Sorted, 1-3mm Angular Clasts, Sandstone, Well Rounded Quartz																	35	
	40																		40	
	45	7.5YR 7/8, Reddish Yellow, Well Sorted, Sandstone, Well Rounded																45		
	50	Unconsolidated Silt, 10YR 7/4, Very Pale Brown, Well Sorted, Well Rounded	Silt															50		
	55																		55	
	60																		60	
	65																		65	



ONE CONTINUOUS AUGER SAMPLER



WATER TABLE (TIME OF BORING)



STANDARD PENETRATION TEST



LABORATORY TEST LOCATION



UNDISTURBED SAMPLE



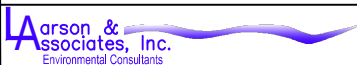
PENETROMETER (TONS/ SQ. FT)



WATER TABLE (24 HRS)



NR NO RECOVERY

JOB NUMBER : Chevron/ 19-0180-07HOLE DIAMETER : 5"LOCATION : Culebra BluffLAI GEOLOGIST : R. NelsonDRILLING CONTRACTOR : SDIDRILLING METHOD : Air Rotary



DRILL DATE :

11/23/2020

BORING NUMBER :

GWB-1

BORING RECORD

GEOLOGIC UNIT	DEPTH	Start: 11:33 Finish: 13:51 DESCRIPTION LITHOLOGIC	DESCRIPTION USCS	GRAPHIC LOG	PID READING										SAMPLE			REMARKS				
					PPM X _____										NUMBER	PID READING	RECOVERY	DEPTH	BACKGROUND PID READING			
					2	4	6	8	10	12	14	16	18									
 Groundwater at 70.30'	70	Unconsolidated Silt, 10YR 7/4, Very Pale Brown, 1-5mm Subangular Clasts, Moderately Sorted, Well Rounded	Silt																			
	75																					
	80																					
	85																					
	90																					
	95																					
	100																					
	105																					
	110																					
	115																					
	120																					
						TD: 115'																



ONE CONTINUOUS AUGER SAMPLER



WATER TABLE (TIME OF BORING)



STANDARD PENETRATION TEST



LABORATORY TEST LOCATION



UNDISTURBED SAMPLE



PENETROMETER (TONS/ SQ. FT)



WATER TABLE (24 HRS)



NR NO RECOVERY

JOB NUMBER : Chevron/ 19-0180-07HOLE DIAMETER : 5"LOCATION : Culebra BluffLAI GEOLOGIST : R. NelsonDRILLING CONTRACTOR : SDIDRILLING METHOD : Air Rotary



USGS Home
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National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

GO

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- 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 =

- 321355104012001

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

USGS 321355104012001 24S.29E.07.14444

Eddy County, New Mexico
Latitude 32°13'55", Longitude 104°01'20" NAD27
Land-surface elevation 2,983 feet above NAVD88
The depth of the well is 160 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Castile Formation (312CSTL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1983-02-01			D 62610		2934.30	NGVD29	1		Z	
1983-02-01			D 62611		2935.86	NAVD88	1		Z	
1983-02-01			D 72019	47.14			1		Z	
1987-10-16			D 62610		2929.60	NGVD29	1		Z	
1987-10-16			D 62611		2931.16	NAVD88	1		Z	
1987-10-16			D 72019	51.84			1		Z	
1988-02-11			D 62610		2929.25	NGVD29	1		Z	
1988-02-11			D 62611		2930.81	NAVD88	1		Z	
1988-02-11			D 72019	52.19			1		Z	
1992-10-20			D 62610		2929.66	NGVD29	1		S	
1992-10-20			D 62611		2931.22	NAVD88	1		S	
1992-10-20			D 72019	51.78			1		S	

Explanation

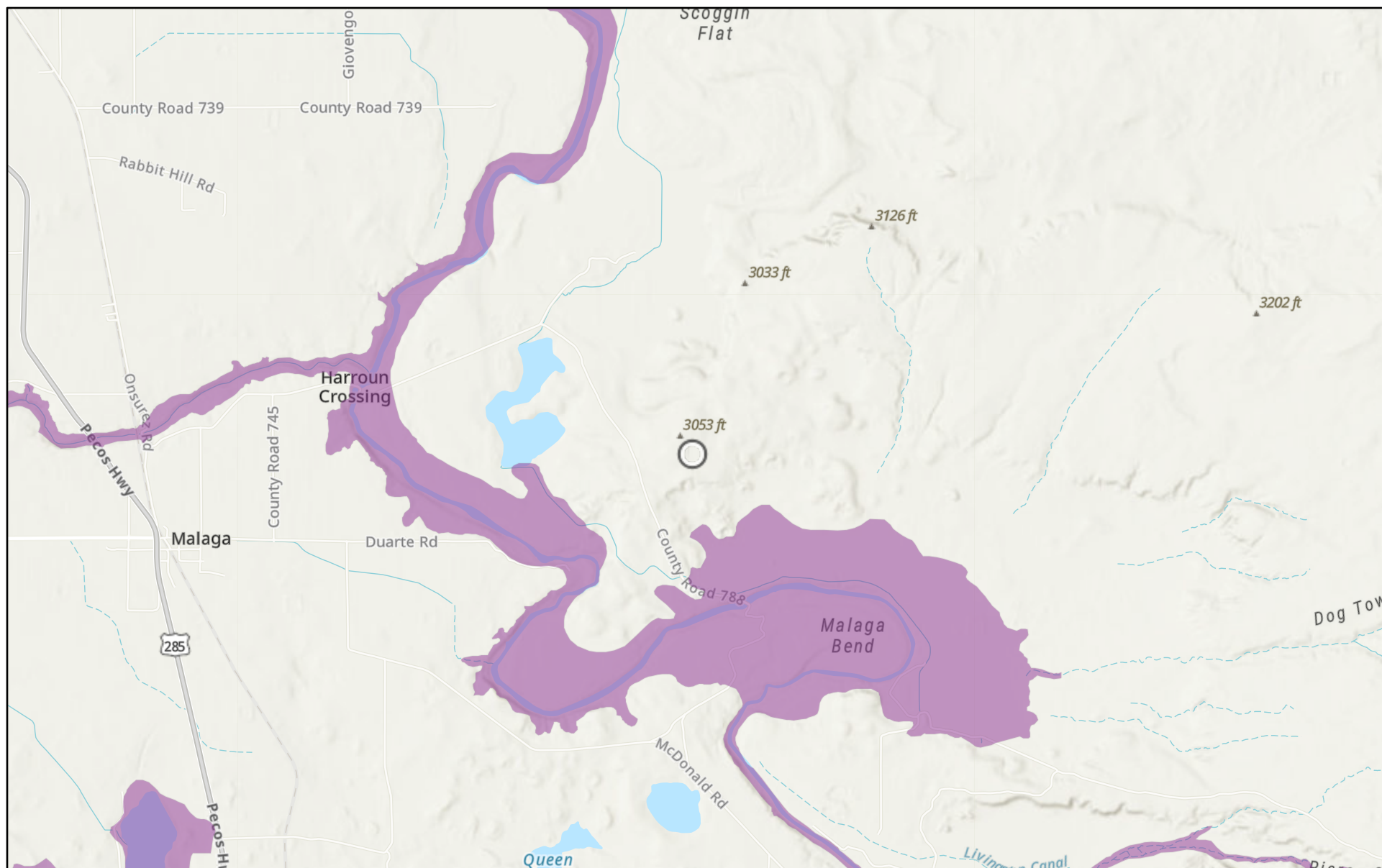
Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum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

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[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)
Title: Groundwater for New Mexico: Water Levels
URL:

Page Contact Information: [New Mexico Water Data Maintainer](#)
Page Last Modified: 2025-07-07 16:31:58 EDT
0.39 0.31 nadww02

Culebra Bluff East CTB (07.06.2025)



7/7/2025

USA Flood Hazard Areas

 1% Annual Chance Flood Hazard

World_Hillshade

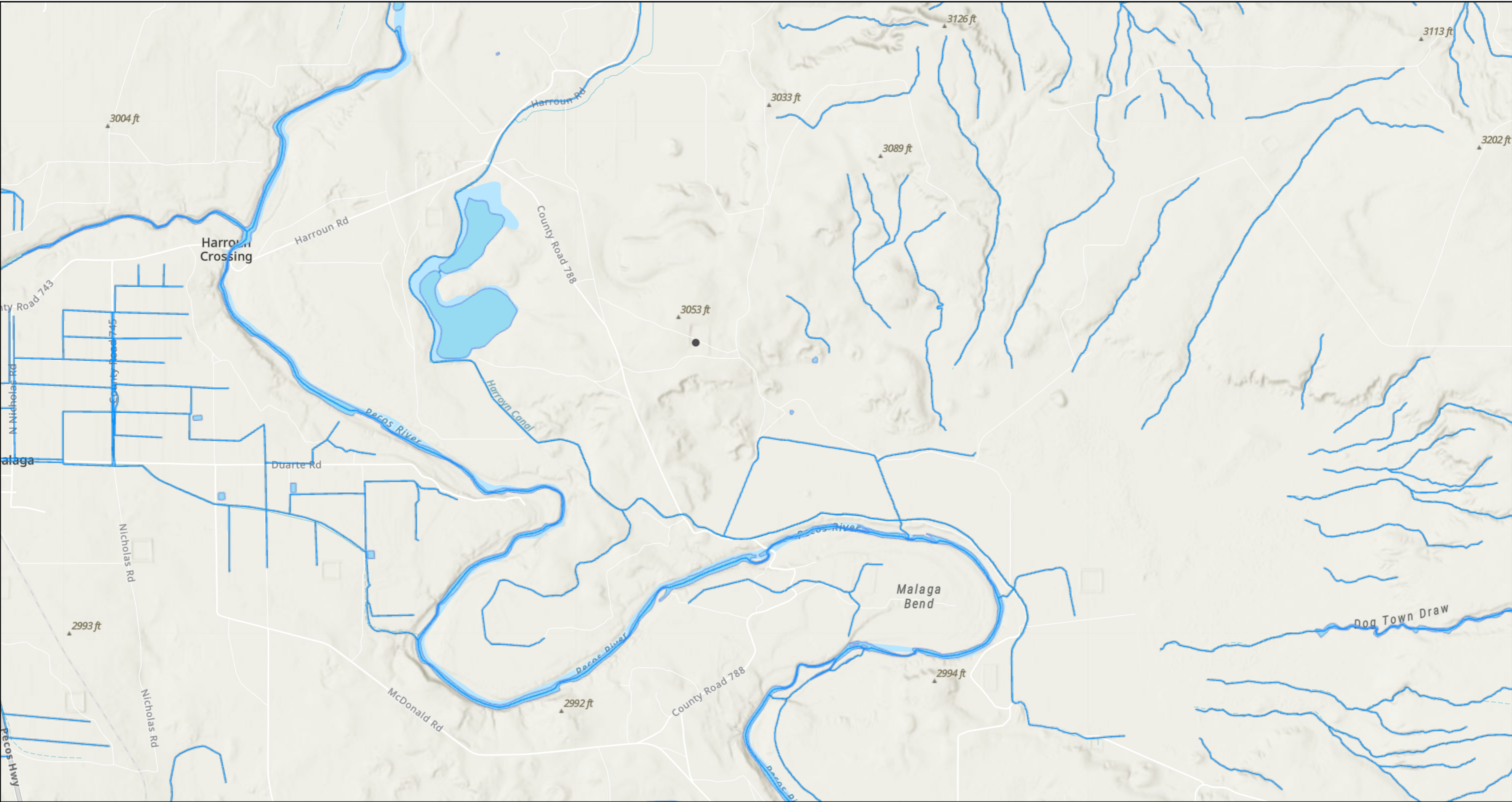


1:72,224

0 0.5 1 2 mi
0 0.75 1.5 3 km

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

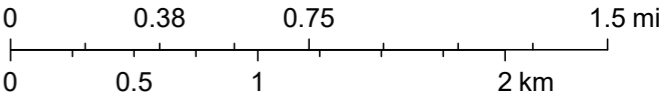
Culebra Bluff East CTB (07.06.2025)



7/7/2025, 3:29:10 PM

- OSW Water Bodys
- OSE Streams

1:36,112



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

APPENDIX E

CARMONA RESOURCES





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/29/2025 1:49:13 PM

JOB DESCRIPTION

CULEBRA BLUFF EAST CTB
2788

JOB NUMBER

890-8501-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

Eurofins Carlsbad

Job Notes

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

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

Authorization



Generated
7/29/2025 1:49:13 PM

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

Client: Carmona Resources
Project/Site: CULEBRA BLUFF EAST CTB

Laboratory Job ID: 890-8501-1
SDG: 2788

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Definitions/Glossary

Client: Carmona Resources
Project/Site: CULEBRA BLUFF EAST CTB

Job ID: 890-8501-1
SDG: 2788

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
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: CULEBRA BLUFF EAST CTB

Job ID: 890-8501-1

Job ID: 890-8501-1

Eurofins Carlsbad

Job Narrative 890-8501-1

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 7/22/2025 3:38 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 0.4°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: BH - 1 (0-1.0') (890-8501-1), BH - 1 (2.0') (890-8501-2), BH - 1 (3.0') (890-8501-3), BH - 1 (4.0') (890-8501-4), BH - 1 (5.0') (890-8501-5), BH - 2 (0-1.0') (890-8501-6), BH - 2 (2.0') (890-8501-7), BH - 2 (3.0') (890-8501-8), BH - 2 (4.0') (890-8501-9), BH - 2 (5.0') (890-8501-10), BH - 3 (0-1.0') (890-8501-11), BH - 3 (2.0') (890-8501-12), BH - 3 (3.0') (890-8501-13), BH - 3 (4.0') (890-8501-14), BH - 3 (5.0') (890-8501-15), BH - 4 (0-1.0') (890-8501-16), BH - 4 (2.0') (890-8501-17), BH - 4 (3.0') (890-8501-18), BH - 4 (4.0') (890-8501-19) and BH - 4 (5.0') (890-8501-20).

GC VOA

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-114805 and analytical batch 880-114885 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-115012 and analytical batch 880-115086 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (890-8507-A-1-C MS). 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

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

HPLC/IC

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

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Client Sample Results

Client: Carmona Resources
Project/Site: CULEBRA BLUFF EAST CTB

Job ID: 890-8501-1
SDG: 2788

Client Sample ID: BH - 1 (0-1.0')

Lab Sample ID: 890-8501-1

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/22/25 15:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/23/25 10:12	07/24/25 22:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/23/25 10:12	07/24/25 22:22	1
Ethylbenzene	<0.00200	U F1	0.00200		mg/Kg		07/23/25 10:12	07/24/25 22:22	1
m,p-Xylenes	<0.00399	U F1	0.00399		mg/Kg		07/23/25 10:12	07/24/25 22:22	1
o-Xylene	<0.00200	U F1	0.00200		mg/Kg		07/23/25 10:12	07/24/25 22:22	1
Xylenes, Total	<0.00399	U F1	0.00399		mg/Kg		07/23/25 10:12	07/24/25 22:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	07/23/25 10:12	07/24/25 22:22	1
1,4-Difluorobenzene (Surr)	83		70 - 130	07/23/25 10:12	07/24/25 22:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/24/25 22:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	299		49.9		mg/Kg			07/24/25 14:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/22/25 14:57	07/24/25 14:59	1
Diesel Range Organics (Over C10-C28)	299		49.9		mg/Kg		07/22/25 14:57	07/24/25 14:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/22/25 14:57	07/24/25 14:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	106		70 - 130	07/22/25 14:57	07/24/25 14:59	1
o-Terphenyl (Surr)	117		70 - 130	07/22/25 14:57	07/24/25 14:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7170		101		mg/Kg			07/25/25 03:16	10

Client Sample ID: BH - 1 (2.0')

Lab Sample ID: 890-8501-2

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/22/25 15:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/23/25 10:12	07/24/25 22:43	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/23/25 10:12	07/24/25 22:43	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/23/25 10:12	07/24/25 22:43	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		07/23/25 10:12	07/24/25 22:43	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/23/25 10:12	07/24/25 22:43	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/23/25 10:12	07/24/25 22:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	07/23/25 10:12	07/24/25 22:43	1
1,4-Difluorobenzene (Surr)	76		70 - 130	07/23/25 10:12	07/24/25 22:43	1

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Client Sample Results

Client: Carmona Resources
Project/Site: CULEBRA BLUFF EAST CTB

Job ID: 890-8501-1
SDG: 2788

Client Sample ID: BH - 1 (2.0')

Lab Sample ID: 890-8501-2

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/22/25 15:38

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			07/24/25 22:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/24/25 15:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/25 14:57	07/24/25 15:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/25 14:57	07/24/25 15:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 14:57	07/24/25 15:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	108		70 - 130				07/22/25 14:57	07/24/25 15:15	1
o-Terphenyl (Surr)	112		70 - 130				07/22/25 14:57	07/24/25 15:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	539		9.94		mg/Kg			07/25/25 03:22	1

Client Sample ID: BH - 1 (3.0')

Lab Sample ID: 890-8501-3

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/22/25 15:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/25/25 09:28	07/28/25 14:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/25/25 09:28	07/28/25 14:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/25/25 09:28	07/28/25 14:41	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		07/25/25 09:28	07/28/25 14:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/25/25 09:28	07/28/25 14:41	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/25/25 09:28	07/28/25 14:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				07/25/25 09:28	07/28/25 14:41	1
1,4-Difluorobenzene (Surr)	100		70 - 130				07/25/25 09:28	07/28/25 14:41	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			07/28/25 14:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/24/25 15:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/25 14:57	07/24/25 15:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/25 14:57	07/24/25 15:30	1

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Client Sample Results

Client: Carmona Resources
Project/Site: CULEBRA BLUFF EAST CTB

Job ID: 890-8501-1
SDG: 2788

Client Sample ID: BH - 1 (3.0')

Lab Sample ID: 890-8501-3

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/22/25 15:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 14:57	07/24/25 15:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	105		70 - 130				07/22/25 14:57	07/24/25 15:30	1
o-Terphenyl (Surr)	108		70 - 130				07/22/25 14:57	07/24/25 15:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	153		9.98		mg/Kg			07/25/25 03:28	1

Client Sample ID: BH - 1 (4.0')

Lab Sample ID: 890-8501-4

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/22/25 15:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/25/25 09:28	07/28/25 15:01	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/25/25 09:28	07/28/25 15:01	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/25/25 09:28	07/28/25 15:01	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		07/25/25 09:28	07/28/25 15:01	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/25/25 09:28	07/28/25 15:01	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/25/25 09:28	07/28/25 15:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				07/25/25 09:28	07/28/25 15:01	1
1,4-Difluorobenzene (Surr)	100		70 - 130				07/25/25 09:28	07/28/25 15:01	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			07/28/25 15:01	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			07/24/25 15:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/25 14:57	07/24/25 15:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/25 14:57	07/24/25 15:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 14:57	07/24/25 15:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	104		70 - 130				07/22/25 14:57	07/24/25 15:45	1
o-Terphenyl (Surr)	110		70 - 130				07/22/25 14:57	07/24/25 15:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	174		10.0		mg/Kg			07/25/25 03:33	1

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Client Sample Results

Client: Carmona Resources
Project/Site: CULEBRA BLUFF EAST CTB

Job ID: 890-8501-1
SDG: 2788

Client Sample ID: BH - 1 (5.0')

Lab Sample ID: 890-8501-5

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/22/25 15:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/25/25 09:28	07/28/25 16:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/25/25 09:28	07/28/25 16:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/25/25 09:28	07/28/25 16:24	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		07/25/25 09:28	07/28/25 16:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/25/25 09:28	07/28/25 16:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/25/25 09:28	07/28/25 16:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	07/25/25 09:28	07/28/25 16:24	1
1,4-Difluorobenzene (Surr)	100		70 - 130	07/25/25 09:28	07/28/25 16:24	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			07/28/25 16:24	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			07/24/25 16:00	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	<49.8	U	49.8		mg/Kg		07/22/25 14:57	07/24/25 16:00	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/22/25 14:57	07/24/25 16:00	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/22/25 14:57	07/24/25 16:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	104		70 - 130	07/22/25 14:57	07/24/25 16:00	1
o-Terphenyl (Surr)	108		70 - 130	07/22/25 14:57	07/24/25 16:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	160		10.1		mg/Kg			07/25/25 03:39	1

Client Sample ID: BH - 2 (0-1.0')

Lab Sample ID: 890-8501-6

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/22/25 15:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/25/25 09:28	07/28/25 16:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/25/25 09:28	07/28/25 16:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/25/25 09:28	07/28/25 16:44	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		07/25/25 09:28	07/28/25 16:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/25/25 09:28	07/28/25 16:44	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/25/25 09:28	07/28/25 16:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	07/25/25 09:28	07/28/25 16:44	1
1,4-Difluorobenzene (Surr)	105		70 - 130	07/25/25 09:28	07/28/25 16:44	1

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Client Sample Results

Client: Carmona Resources
Project/Site: CULEBRA BLUFF EAST CTB

Job ID: 890-8501-1
SDG: 2788

Client Sample ID: BH - 2 (0-1.0')

Lab Sample ID: 890-8501-6

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/22/25 15:38

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			07/28/25 16:44	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			07/24/25 16:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/25 14:57	07/24/25 16:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/25 14:57	07/24/25 16:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 14:57	07/24/25 16:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130				07/22/25 14:57	07/24/25 16:31	1
o-Terphenyl (Surr)	110		70 - 130				07/22/25 14:57	07/24/25 16:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1410		49.7		mg/Kg			07/25/25 03:45	5

Client Sample ID: BH - 2 (2.0')

Lab Sample ID: 890-8501-7

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/22/25 15:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/25/25 09:28	07/28/25 17:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/25/25 09:28	07/28/25 17:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/25/25 09:28	07/28/25 17:05	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		07/25/25 09:28	07/28/25 17:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/25/25 09:28	07/28/25 17:05	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/25/25 09:28	07/28/25 17:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				07/25/25 09:28	07/28/25 17:05	1
1,4-Difluorobenzene (Surr)	96		70 - 130				07/25/25 09:28	07/28/25 17:05	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			07/28/25 17:05	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			07/24/25 16:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/25 14:57	07/24/25 16:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/25 14:57	07/24/25 16:46	1

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Client Sample Results

Client: Carmona Resources
Project/Site: CULEBRA BLUFF EAST CTB

Job ID: 890-8501-1
SDG: 2788

Client Sample ID: BH - 2 (2.0')

Lab Sample ID: 890-8501-7

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/22/25 15:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 14:57	07/24/25 16:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	106		70 - 130				07/22/25 14:57	07/24/25 16:46	1
o-Terphenyl (Surr)	111		70 - 130				07/22/25 14:57	07/24/25 16:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	711		9.92		mg/Kg			07/24/25 16:19	1

Client Sample ID: BH - 2 (3.0')

Lab Sample ID: 890-8501-8

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/22/25 15:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/25/25 09:28	07/28/25 17:25	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/25/25 09:28	07/28/25 17:25	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/25/25 09:28	07/28/25 17:25	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		07/25/25 09:28	07/28/25 17:25	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/25/25 09:28	07/28/25 17:25	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/25/25 09:28	07/28/25 17:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				07/25/25 09:28	07/28/25 17:25	1
1,4-Difluorobenzene (Surr)	98		70 - 130				07/25/25 09:28	07/28/25 17:25	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			07/28/25 17:25	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			07/24/25 17:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/25 14:57	07/24/25 17:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/25 14:57	07/24/25 17:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 14:57	07/24/25 17:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	104		70 - 130				07/22/25 14:57	07/24/25 17:02	1
o-Terphenyl (Surr)	108		70 - 130				07/22/25 14:57	07/24/25 17:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	195		9.96		mg/Kg			07/24/25 16:24	1

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Client Sample Results

Client: Carmona Resources
Project/Site: CULEBRA BLUFF EAST CTB

Job ID: 890-8501-1
SDG: 2788

Client Sample ID: BH - 3 (0-1.0')

Lab Sample ID: 890-8501-11

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/22/25 15:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/25/25 09:28	07/28/25 17:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/25/25 09:28	07/28/25 17:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/25/25 09:28	07/28/25 17:46	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		07/25/25 09:28	07/28/25 17:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/25/25 09:28	07/28/25 17:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/25/25 09:28	07/28/25 17:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	07/25/25 09:28	07/28/25 17:46	1
1,4-Difluorobenzene (Surr)	101		70 - 130	07/25/25 09:28	07/28/25 17:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/28/25 17:46	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			07/24/25 17:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/22/25 14:57	07/24/25 17:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/22/25 14:57	07/24/25 17:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/22/25 14:57	07/24/25 17:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	106		70 - 130	07/22/25 14:57	07/24/25 17:17	1
o-Terphenyl (Surr)	111		70 - 130	07/22/25 14:57	07/24/25 17:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1090		9.98		mg/Kg			07/24/25 16:30	1

Client Sample ID: BH - 3 (2.0')

Lab Sample ID: 890-8501-12

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/22/25 15:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/25/25 09:28	07/28/25 18:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/25/25 09:28	07/28/25 18:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/25/25 09:28	07/28/25 18:06	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		07/25/25 09:28	07/28/25 18:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/25/25 09:28	07/28/25 18:06	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/25/25 09:28	07/28/25 18:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	07/25/25 09:28	07/28/25 18:06	1
1,4-Difluorobenzene (Surr)	103		70 - 130	07/25/25 09:28	07/28/25 18:06	1

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Client Sample Results

Client: Carmona Resources
Project/Site: CULEBRA BLUFF EAST CTB

Job ID: 890-8501-1
SDG: 2788

Client Sample ID: BH - 3 (2.0')

Lab Sample ID: 890-8501-12

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/22/25 15:38

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			07/28/25 18:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/24/25 17:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/22/25 14:57	07/24/25 17:33	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/22/25 14:57	07/24/25 17:33	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/22/25 14:57	07/24/25 17:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	102		70 - 130				07/22/25 14:57	07/24/25 17:33	1
o-Terphenyl (Surr)	103		70 - 130				07/22/25 14:57	07/24/25 17:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	70.7		9.94		mg/Kg			07/24/25 16:36	1

Client Sample ID: BH - 3 (3.0')

Lab Sample ID: 890-8501-13

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/22/25 15:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/25/25 09:28	07/28/25 18:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/25/25 09:28	07/28/25 18:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/25/25 09:28	07/28/25 18:27	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		07/25/25 09:28	07/28/25 18:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/25/25 09:28	07/28/25 18:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/25/25 09:28	07/28/25 18:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				07/25/25 09:28	07/28/25 18:27	1
1,4-Difluorobenzene (Surr)	107		70 - 130				07/25/25 09:28	07/28/25 18:27	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			07/28/25 18:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/24/25 17:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/25 14:57	07/24/25 17:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/25 14:57	07/24/25 17:48	1

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Client Sample Results

Client: Carmona Resources
Project/Site: CULEBRA BLUFF EAST CTB

Job ID: 890-8501-1
SDG: 2788

Client Sample ID: BH - 3 (3.0')

Lab Sample ID: 890-8501-13

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/22/25 15:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 14:57	07/24/25 17:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	109		70 - 130				07/22/25 14:57	07/24/25 17:48	1
o-Terphenyl (Surr)	111		70 - 130				07/22/25 14:57	07/24/25 17:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.4		9.92		mg/Kg			07/24/25 16:53	1

Client Sample ID: BH - 4 (0-1.0')

Lab Sample ID: 890-8501-16

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/22/25 15:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/25/25 09:28	07/28/25 18:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/25/25 09:28	07/28/25 18:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/25/25 09:28	07/28/25 18:47	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		07/25/25 09:28	07/28/25 18:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/25/25 09:28	07/28/25 18:47	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/25/25 09:28	07/28/25 18:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				07/25/25 09:28	07/28/25 18:47	1
1,4-Difluorobenzene (Surr)	98		70 - 130				07/25/25 09:28	07/28/25 18:47	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/28/25 18:47	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			07/24/25 18:03	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		07/22/25 14:57	07/24/25 18:03	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/22/25 14:57	07/24/25 18:03	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/22/25 14:57	07/24/25 18:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	106		70 - 130				07/22/25 14:57	07/24/25 18:03	1
o-Terphenyl (Surr)	111		70 - 130				07/22/25 14:57	07/24/25 18:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	544		9.90		mg/Kg			07/24/25 16:58	1

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Client Sample Results

Client: Carmona Resources
Project/Site: CULEBRA BLUFF EAST CTB

Job ID: 890-8501-1
SDG: 2788

Client Sample ID: BH - 4 (2.0')

Lab Sample ID: 890-8501-17

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/22/25 15:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/25/25 09:28	07/28/25 19:07	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/25/25 09:28	07/28/25 19:07	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/25/25 09:28	07/28/25 19:07	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		07/25/25 09:28	07/28/25 19:07	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/25/25 09:28	07/28/25 19:07	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/25/25 09:28	07/28/25 19:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	07/25/25 09:28	07/28/25 19:07	1
1,4-Difluorobenzene (Surr)	102		70 - 130	07/25/25 09:28	07/28/25 19:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/28/25 19:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/24/25 18:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/22/25 14:57	07/24/25 18:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/22/25 14:57	07/24/25 18:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/22/25 14:57	07/24/25 18:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	110		70 - 130	07/22/25 14:57	07/24/25 18:19	1
o-Terphenyl (Surr)	113		70 - 130	07/22/25 14:57	07/24/25 18:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	272		9.92		mg/Kg			07/24/25 17:15	1

Client Sample ID: BH - 4 (3.0')

Lab Sample ID: 890-8501-18

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/22/25 15:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/25/25 09:28	07/28/25 19:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/25/25 09:28	07/28/25 19:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/25/25 09:28	07/28/25 19:28	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		07/25/25 09:28	07/28/25 19:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/25/25 09:28	07/28/25 19:28	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/25/25 09:28	07/28/25 19:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	07/25/25 09:28	07/28/25 19:28	1
1,4-Difluorobenzene (Surr)	102		70 - 130	07/25/25 09:28	07/28/25 19:28	1

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Client Sample Results

Client: Carmona Resources
Project/Site: CULEBRA BLUFF EAST CTB

Job ID: 890-8501-1
SDG: 2788

Client Sample ID: BH - 4 (3.0')

Lab Sample ID: 890-8501-18

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/22/25 15:38

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			07/28/25 19:28	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			07/24/25 18:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/25 14:57	07/24/25 18:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/25 14:57	07/24/25 18:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 14:57	07/24/25 18:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	106		70 - 130	07/22/25 14:57	07/24/25 18:34	1
o-Terphenyl (Surr)	107		70 - 130	07/22/25 14:57	07/24/25 18:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	248		10.0		mg/Kg			07/24/25 17:21	1

Surrogate Summary

Client: Carmona Resources
Project/Site: CULEBRA BLUFF EAST CTB

Job ID: 890-8501-1
SDG: 2788

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)
890-8501-1	BH - 1 (0-1.0')	95	83
890-8501-1 MS	BH - 1 (0-1.0')	106	102
890-8501-1 MSD	BH - 1 (0-1.0')	112	98
890-8501-2	BH - 1 (2.0')	93	76
890-8501-3	BH - 1 (3.0')	120	100
890-8501-4	BH - 1 (4.0')	122	100
890-8501-5	BH - 1 (5.0')	118	100
890-8501-6	BH - 2 (0-1.0')	121	105
890-8501-7	BH - 2 (2.0')	120	96
890-8501-8	BH - 2 (3.0')	120	98
890-8501-11	BH - 3 (0-1.0')	124	101
890-8501-12	BH - 3 (2.0')	121	103
890-8501-13	BH - 3 (3.0')	124	107
890-8501-16	BH - 4 (0-1.0')	123	98
890-8501-17	BH - 4 (2.0')	127	102
890-8501-18	BH - 4 (3.0')	119	102
890-8507-A-1-C MS	Matrix Spike	99	36 S1-
890-8507-A-1-D MSD	Matrix Spike Duplicate	108	100
LCS 880-114805/1-A	Lab Control Sample	107	90
LCS 880-115012/1-A	Lab Control Sample	111	95
LCSD 880-114805/2-A	Lab Control Sample Dup	111	105
LCSD 880-115012/2-A	Lab Control Sample Dup	105	91
MB 880-114657/5-A	Method Blank	86	95
MB 880-114805/5-A	Method Blank	84	95
MB 880-115012/5-A	Method Blank	111	98

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)
830-8181-A-7-F MS	Matrix Spike	111	110
830-8181-A-7-G MSD	Matrix Spike Duplicate	113	111
890-8501-1	BH - 1 (0-1.0')	106	117
890-8501-2	BH - 1 (2.0')	108	112
890-8501-3	BH - 1 (3.0')	105	108
890-8501-4	BH - 1 (4.0')	104	110
890-8501-5	BH - 1 (5.0')	104	108
890-8501-6	BH - 2 (0-1.0')	107	110
890-8501-7	BH - 2 (2.0')	106	111
890-8501-8	BH - 2 (3.0')	104	108
890-8501-11	BH - 3 (0-1.0')	106	111
890-8501-12	BH - 3 (2.0')	102	103
890-8501-13	BH - 3 (3.0')	109	111
890-8501-16	BH - 4 (0-1.0')	106	111

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Surrogate Summary

Client: Carmona Resources

Job ID: 890-8501-1

Project/Site: CULEBRA BLUFF EAST CTB

SDG: 2788

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-8501-17	BH - 4 (2.0')	110	113
890-8501-18	BH - 4 (3.0')	106	107
LCS 880-114750/2-A	Lab Control Sample	125	129
LCSD 880-114750/3-A	Lab Control Sample Dup	127	130
MB 880-114750/1-A	Method Blank	96	101

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Carmona Resources
Project/Site: CULEBRA BLUFF EAST CTB

Job ID: 890-8501-1
SDG: 2788

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-114657/5-A

Matrix: Solid

Analysis Batch: 114885

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114657

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:35	07/24/25 11:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:35	07/24/25 11:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:35	07/24/25 11:21	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		07/22/25 08:35	07/24/25 11:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:35	07/24/25 11:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/22/25 08:35	07/24/25 11:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	07/22/25 08:35	07/24/25 11:21	1
1,4-Difluorobenzene (Surr)	95		70 - 130	07/22/25 08:35	07/24/25 11:21	1

Lab Sample ID: MB 880-114805/5-A

Matrix: Solid

Analysis Batch: 114885

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114805

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/23/25 10:12	07/24/25 22:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/23/25 10:12	07/24/25 22:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/23/25 10:12	07/24/25 22:01	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		07/23/25 10:12	07/24/25 22:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/23/25 10:12	07/24/25 22:01	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/23/25 10:12	07/24/25 22:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	07/23/25 10:12	07/24/25 22:01	1
1,4-Difluorobenzene (Surr)	95		70 - 130	07/23/25 10:12	07/24/25 22:01	1

Lab Sample ID: LCS 880-114805/1-A

Matrix: Solid

Analysis Batch: 114885

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 114805

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08656		mg/Kg		87	70 - 130
Toluene	0.100	0.08617		mg/Kg		86	70 - 130
Ethylbenzene	0.100	0.1048		mg/Kg		105	70 - 130
m,p-Xylenes	0.200	0.2213		mg/Kg		111	70 - 130
o-Xylene	0.100	0.1041		mg/Kg		104	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: LCSD 880-114805/2-A

Matrix: Solid

Analysis Batch: 114885

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 114805

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09109		mg/Kg		91	70 - 130	5	35

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QC Sample Results

Client: Carmona Resources
Project/Site: CULEBRA BLUFF EAST CTB

Job ID: 890-8501-1
SDG: 2788

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

Lab Sample ID: LCSD 880-114805/2-A

Matrix: Solid

Analysis Batch: 114885

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 114805

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.08894		mg/Kg		89	70 - 130	3	35
Ethylbenzene	0.100	0.08439		mg/Kg		84	70 - 130	22	35
m,p-Xylenes	0.200	0.2061		mg/Kg		103	70 - 130	7	35
o-Xylene	0.100	0.1008		mg/Kg		101	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 890-8501-1 MS

Matrix: Solid

Analysis Batch: 114885

Client Sample ID: BH - 1 (0-1.0')

Prep Type: Total/NA

Prep Batch: 114805

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.08667		mg/Kg		87	70 - 130
Toluene	<0.00200	U	0.100	0.07920		mg/Kg		79	70 - 130
Ethylbenzene	<0.00200	U F1	0.100	0.06300	F1	mg/Kg		63	70 - 130
m,p-Xylenes	<0.00399	U F1	0.200	0.1369	F1	mg/Kg		68	70 - 130
o-Xylene	<0.00200	U F1	0.100	0.06568	F1	mg/Kg		66	70 - 130

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

Lab Sample ID: 890-8501-1 MSD

Matrix: Solid

Analysis Batch: 114885

Client Sample ID: BH - 1 (0-1.0')

Prep Type: Total/NA

Prep Batch: 114805

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.09137		mg/Kg		91	70 - 130	5	35
Toluene	<0.00200	U	0.100	0.08547		mg/Kg		85	70 - 130	8	35
Ethylbenzene	<0.00200	U F1	0.100	0.07487		mg/Kg		75	70 - 130	17	35
m,p-Xylenes	<0.00399	U F1	0.200	0.1559		mg/Kg		78	70 - 130	13	35
o-Xylene	<0.00200	U F1	0.100	0.08741		mg/Kg		87	70 - 130	28	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: MB 880-115012/5-A

Matrix: Solid

Analysis Batch: 115086

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 115012

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/25/25 09:28	07/28/25 11:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/25/25 09:28	07/28/25 11:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/25/25 09:28	07/28/25 11:35	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		07/25/25 09:28	07/28/25 11:35	1

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QC Sample Results

Client: Carmona Resources
Project/Site: CULEBRA BLUFF EAST CTB

Job ID: 890-8501-1
SDG: 2788

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

Lab Sample ID: MB 880-115012/5-A

Matrix: Solid

Analysis Batch: 115086

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 115012

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/25/25 09:28	07/28/25 11:35	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/25/25 09:28	07/28/25 11:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	07/25/25 09:28	07/28/25 11:35	1
1,4-Difluorobenzene (Surr)	98		70 - 130	07/25/25 09:28	07/28/25 11:35	1

Lab Sample ID: LCS 880-115012/1-A

Matrix: Solid

Analysis Batch: 115086

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 115012

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1245		mg/Kg		124	70 - 130
Toluene	0.100	0.1183		mg/Kg		118	70 - 130
Ethylbenzene	0.100	0.1257		mg/Kg		126	70 - 130
m,p-Xylenes	0.200	0.2464		mg/Kg		123	70 - 130
o-Xylene	0.100	0.1260		mg/Kg		126	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: LCSD 880-115012/2-A

Matrix: Solid

Analysis Batch: 115086

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 115012

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1149		mg/Kg		115	70 - 130	8	35
Toluene	0.100	0.1105		mg/Kg		111	70 - 130	7	35
Ethylbenzene	0.100	0.1162		mg/Kg		116	70 - 130	8	35
m,p-Xylenes	0.200	0.2271		mg/Kg		114	70 - 130	8	35
o-Xylene	0.100	0.1160		mg/Kg		116	70 - 130	8	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: 890-8507-A-1-C MS

Matrix: Solid

Analysis Batch: 115086

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 115012

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F1 F2	0.100	0.009498	F1	mg/Kg		9	70 - 130
Toluene	<0.00200	U F1 F2	0.100	0.02396	F1	mg/Kg		24	70 - 130
Ethylbenzene	<0.00200	U F1 F2	0.100	0.02786	F1	mg/Kg		28	70 - 130
m,p-Xylenes	<0.00399	U F1 F2	0.200	0.05843	F1	mg/Kg		29	70 - 130
o-Xylene	<0.00200	U F1 F2	0.100	0.01456	F1	mg/Kg		15	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: CULEBRA BLUFF EAST CTB

Job ID: 890-8501-1
SDG: 2788

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

Lab Sample ID: 890-8507-A-1-C MS

Matrix: Solid

Analysis Batch: 115086

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 115012

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	36	S1-	70 - 130

Lab Sample ID: 890-8507-A-1-D MSD

Matrix: Solid

Analysis Batch: 115086

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 115012

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F1 F2	0.100	0.1035	F2	mg/Kg		104	70 - 130	166	35
Toluene	<0.00200	U F1 F2	0.100	0.09121	F2	mg/Kg		91	70 - 130	117	35
Ethylbenzene	<0.00200	U F1 F2	0.100	0.09677	F2	mg/Kg		97	70 - 130	111	35
m,p-Xylenes	<0.00399	U F1 F2	0.200	0.1908	F2	mg/Kg		95	70 - 130	106	35
o-Xylene	<0.00200	U F1 F2	0.100	0.09912	F2	mg/Kg		99	70 - 130	149	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

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

Lab Sample ID: MB 880-114750/1-A

Matrix: Solid

Analysis Batch: 114924

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114750

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		07/22/25 14:57	07/24/25 11:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/25 14:57	07/24/25 11:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 14:57	07/24/25 11:09	1

	MB	MB					Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane (Surr)	96		70 - 130				07/22/25 14:57	07/24/25 11:09	1
o-Terphenyl (Surr)	101		70 - 130				07/22/25 14:57	07/24/25 11:09	1

Lab Sample ID: LCS 880-114750/2-A

Matrix: Solid

Analysis Batch: 114924

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 114750

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	1052		mg/Kg		105	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	936.7		mg/Kg		94	70 - 130		

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	125		70 - 130
o-Terphenyl (Surr)	129		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: CULEBRA BLUFF EAST CTB

Job ID: 890-8501-1
SDG: 2788

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

Lab Sample ID: LCSD 880-114750/3-A

Matrix: Solid

Analysis Batch: 114924

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 114750

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1074		mg/Kg		107	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	930.4		mg/Kg		93	70 - 130	1	20
		LCSD	LCSD						
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane (Surr)	127		70 - 130						
o-Terphenyl (Surr)	130		70 - 130						

Lab Sample ID: 830-8181-A-7-F MS

Matrix: Solid

Analysis Batch: 114924

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 114750

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	905.0		mg/Kg		91	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	999	810.4		mg/Kg		79	70 - 130		
		MS	MS								
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane (Surr)	111		70 - 130								
o-Terphenyl (Surr)	110		70 - 130								

Lab Sample ID: 830-8181-A-7-G MSD

Matrix: Solid

Analysis Batch: 114924

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 114750

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	<50.0	U	999	910.2		mg/Kg		91	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	793.3		mg/Kg		77	70 - 130	2	20
		MSD	MSD								
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane (Surr)	113		70 - 130								
o-Terphenyl (Surr)	111		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-114807/1-A

Matrix: Solid

Analysis Batch: 114881

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			07/25/25 00:55	1

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QC Sample Results

Client: Carmona Resources
Project/Site: CULEBRA BLUFF EAST CTB

Job ID: 890-8501-1
SDG: 2788

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-114807/2-A

Matrix: Solid

Analysis Batch: 114881

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	255.5		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-114807/3-A

Matrix: Solid

Analysis Batch: 114881

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	255.9		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 880-60654-A-3-C MS

Matrix: Solid

Analysis Batch: 114881

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	<9.98	U	250	258.4		mg/Kg		102	90 - 110

Lab Sample ID: 880-60654-A-3-D MSD

Matrix: Solid

Analysis Batch: 114881

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	<9.98	U	250	258.9		mg/Kg		102	90 - 110	0	20

Lab Sample ID: MB 880-114862/1-A

Matrix: Solid

Analysis Batch: 114927

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			07/24/25 15:00	1

Lab Sample ID: LCS 880-114862/2-A

Matrix: Solid

Analysis Batch: 114927

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	244.4		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-114862/3-A

Matrix: Solid

Analysis Batch: 114927

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	245.1		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 890-8501-12 MS

Matrix: Solid

Analysis Batch: 114927

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	70.7		249	324.1		mg/Kg		102	90 - 110

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QC Sample Results

Client: Carmona Resources
Project/Site: CULEBRA BLUFF EAST CTB

Job ID: 890-8501-1
SDG: 2788

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-8501-12 MSD						Client Sample ID: BH - 3 (2.0')						
Matrix: Solid						Prep Type: Soluble						
Analysis Batch: 114927												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	70.7		249	323.6		mg/Kg		102	90 - 110	0	20	

QC Association Summary

Client: Carmona Resources
Project/Site: CULEBRA BLUFF EAST CTB

Job ID: 890-8501-1
SDG: 2788

GC VOA

Prep Batch: 114657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-114657/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 114805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8501-1	BH - 1 (0-1.0')	Total/NA	Solid	5035	
890-8501-2	BH - 1 (2.0')	Total/NA	Solid	5035	
MB 880-114805/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-114805/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-114805/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8501-1 MS	BH - 1 (0-1.0')	Total/NA	Solid	5035	
890-8501-1 MSD	BH - 1 (0-1.0')	Total/NA	Solid	5035	

Analysis Batch: 114885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8501-1	BH - 1 (0-1.0')	Total/NA	Solid	8021B	114805
890-8501-2	BH - 1 (2.0')	Total/NA	Solid	8021B	114805
MB 880-114657/5-A	Method Blank	Total/NA	Solid	8021B	114657
MB 880-114805/5-A	Method Blank	Total/NA	Solid	8021B	114805
LCS 880-114805/1-A	Lab Control Sample	Total/NA	Solid	8021B	114805
LCSD 880-114805/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	114805
890-8501-1 MS	BH - 1 (0-1.0')	Total/NA	Solid	8021B	114805
890-8501-1 MSD	BH - 1 (0-1.0')	Total/NA	Solid	8021B	114805

Prep Batch: 115012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8501-3	BH - 1 (3.0')	Total/NA	Solid	5035	
890-8501-4	BH - 1 (4.0')	Total/NA	Solid	5035	
890-8501-5	BH - 1 (5.0')	Total/NA	Solid	5035	
890-8501-6	BH - 2 (0-1.0')	Total/NA	Solid	5035	
890-8501-7	BH - 2 (2.0')	Total/NA	Solid	5035	
890-8501-8	BH - 2 (3.0')	Total/NA	Solid	5035	
890-8501-11	BH - 3 (0-1.0')	Total/NA	Solid	5035	
890-8501-12	BH - 3 (2.0')	Total/NA	Solid	5035	
890-8501-13	BH - 3 (3.0')	Total/NA	Solid	5035	
890-8501-16	BH - 4 (0-1.0')	Total/NA	Solid	5035	
890-8501-17	BH - 4 (2.0')	Total/NA	Solid	5035	
890-8501-18	BH - 4 (3.0')	Total/NA	Solid	5035	
MB 880-115012/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-115012/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-115012/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8507-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
890-8507-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 115043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8501-1	BH - 1 (0-1.0')	Total/NA	Solid	Total BTEX	
890-8501-2	BH - 1 (2.0')	Total/NA	Solid	Total BTEX	
890-8501-3	BH - 1 (3.0')	Total/NA	Solid	Total BTEX	
890-8501-4	BH - 1 (4.0')	Total/NA	Solid	Total BTEX	
890-8501-5	BH - 1 (5.0')	Total/NA	Solid	Total BTEX	
890-8501-6	BH - 2 (0-1.0')	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources
Project/Site: CULEBRA BLUFF EAST CTB

Job ID: 890-8501-1
SDG: 2788

GC VOA (Continued)

Analysis Batch: 115043 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8501-7	BH - 2 (2.0')	Total/NA	Solid	Total BTEX	
890-8501-8	BH - 2 (3.0')	Total/NA	Solid	Total BTEX	
890-8501-11	BH - 3 (0-1.0')	Total/NA	Solid	Total BTEX	
890-8501-12	BH - 3 (2.0')	Total/NA	Solid	Total BTEX	
890-8501-13	BH - 3 (3.0')	Total/NA	Solid	Total BTEX	
890-8501-16	BH - 4 (0-1.0')	Total/NA	Solid	Total BTEX	
890-8501-17	BH - 4 (2.0')	Total/NA	Solid	Total BTEX	
890-8501-18	BH - 4 (3.0')	Total/NA	Solid	Total BTEX	

Analysis Batch: 115086

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8501-3	BH - 1 (3.0')	Total/NA	Solid	8021B	115012
890-8501-4	BH - 1 (4.0')	Total/NA	Solid	8021B	115012
890-8501-5	BH - 1 (5.0')	Total/NA	Solid	8021B	115012
890-8501-6	BH - 2 (0-1.0')	Total/NA	Solid	8021B	115012
890-8501-7	BH - 2 (2.0')	Total/NA	Solid	8021B	115012
890-8501-8	BH - 2 (3.0')	Total/NA	Solid	8021B	115012
890-8501-11	BH - 3 (0-1.0')	Total/NA	Solid	8021B	115012
890-8501-12	BH - 3 (2.0')	Total/NA	Solid	8021B	115012
890-8501-13	BH - 3 (3.0')	Total/NA	Solid	8021B	115012
890-8501-16	BH - 4 (0-1.0')	Total/NA	Solid	8021B	115012
890-8501-17	BH - 4 (2.0')	Total/NA	Solid	8021B	115012
890-8501-18	BH - 4 (3.0')	Total/NA	Solid	8021B	115012
MB 880-115012/5-A	Method Blank	Total/NA	Solid	8021B	115012
LCS 880-115012/1-A	Lab Control Sample	Total/NA	Solid	8021B	115012
LCSD 880-115012/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	115012
890-8507-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	115012
890-8507-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	115012

GC Semi VOA

Prep Batch: 114750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8501-1	BH - 1 (0-1.0')	Total/NA	Solid	8015NM Prep	
890-8501-2	BH - 1 (2.0')	Total/NA	Solid	8015NM Prep	
890-8501-3	BH - 1 (3.0')	Total/NA	Solid	8015NM Prep	
890-8501-4	BH - 1 (4.0')	Total/NA	Solid	8015NM Prep	
890-8501-5	BH - 1 (5.0')	Total/NA	Solid	8015NM Prep	
890-8501-6	BH - 2 (0-1.0')	Total/NA	Solid	8015NM Prep	
890-8501-7	BH - 2 (2.0')	Total/NA	Solid	8015NM Prep	
890-8501-8	BH - 2 (3.0')	Total/NA	Solid	8015NM Prep	
890-8501-11	BH - 3 (0-1.0')	Total/NA	Solid	8015NM Prep	
890-8501-12	BH - 3 (2.0')	Total/NA	Solid	8015NM Prep	
890-8501-13	BH - 3 (3.0')	Total/NA	Solid	8015NM Prep	
890-8501-16	BH - 4 (0-1.0')	Total/NA	Solid	8015NM Prep	
890-8501-17	BH - 4 (2.0')	Total/NA	Solid	8015NM Prep	
890-8501-18	BH - 4 (3.0')	Total/NA	Solid	8015NM Prep	
MB 880-114750/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-114750/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-114750/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
830-8181-A-7-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Carmona Resources
Project/Site: CULEBRA BLUFF EAST CTB

Job ID: 890-8501-1
SDG: 2788

GC Semi VOA (Continued)

Prep Batch: 114750 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-8181-A-7-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 114924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8501-1	BH - 1 (0-1.0')	Total/NA	Solid	8015B NM	114750
890-8501-2	BH - 1 (2.0')	Total/NA	Solid	8015B NM	114750
890-8501-3	BH - 1 (3.0')	Total/NA	Solid	8015B NM	114750
890-8501-4	BH - 1 (4.0')	Total/NA	Solid	8015B NM	114750
890-8501-5	BH - 1 (5.0')	Total/NA	Solid	8015B NM	114750
890-8501-6	BH - 2 (0-1.0')	Total/NA	Solid	8015B NM	114750
890-8501-7	BH - 2 (2.0')	Total/NA	Solid	8015B NM	114750
890-8501-8	BH - 2 (3.0')	Total/NA	Solid	8015B NM	114750
890-8501-11	BH - 3 (0-1.0')	Total/NA	Solid	8015B NM	114750
890-8501-12	BH - 3 (2.0')	Total/NA	Solid	8015B NM	114750
890-8501-13	BH - 3 (3.0')	Total/NA	Solid	8015B NM	114750
890-8501-16	BH - 4 (0-1.0')	Total/NA	Solid	8015B NM	114750
890-8501-17	BH - 4 (2.0')	Total/NA	Solid	8015B NM	114750
890-8501-18	BH - 4 (3.0')	Total/NA	Solid	8015B NM	114750
MB 880-114750/1-A	Method Blank	Total/NA	Solid	8015B NM	114750
LCS 880-114750/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	114750
LCSD 880-114750/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	114750
830-8181-A-7-F MS	Matrix Spike	Total/NA	Solid	8015B NM	114750
830-8181-A-7-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	114750

Analysis Batch: 114981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8501-1	BH - 1 (0-1.0')	Total/NA	Solid	8015 NM	
890-8501-2	BH - 1 (2.0')	Total/NA	Solid	8015 NM	
890-8501-3	BH - 1 (3.0')	Total/NA	Solid	8015 NM	
890-8501-4	BH - 1 (4.0')	Total/NA	Solid	8015 NM	
890-8501-5	BH - 1 (5.0')	Total/NA	Solid	8015 NM	
890-8501-6	BH - 2 (0-1.0')	Total/NA	Solid	8015 NM	
890-8501-7	BH - 2 (2.0')	Total/NA	Solid	8015 NM	
890-8501-8	BH - 2 (3.0')	Total/NA	Solid	8015 NM	
890-8501-11	BH - 3 (0-1.0')	Total/NA	Solid	8015 NM	
890-8501-12	BH - 3 (2.0')	Total/NA	Solid	8015 NM	
890-8501-13	BH - 3 (3.0')	Total/NA	Solid	8015 NM	
890-8501-16	BH - 4 (0-1.0')	Total/NA	Solid	8015 NM	
890-8501-17	BH - 4 (2.0')	Total/NA	Solid	8015 NM	
890-8501-18	BH - 4 (3.0')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 114807

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8501-1	BH - 1 (0-1.0')	Soluble	Solid	DI Leach	
890-8501-2	BH - 1 (2.0')	Soluble	Solid	DI Leach	
890-8501-3	BH - 1 (3.0')	Soluble	Solid	DI Leach	
890-8501-4	BH - 1 (4.0')	Soluble	Solid	DI Leach	
890-8501-5	BH - 1 (5.0')	Soluble	Solid	DI Leach	
890-8501-6	BH - 2 (0-1.0')	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Carmona Resources
Project/Site: CULEBRA BLUFF EAST CTB

Job ID: 890-8501-1
SDG: 2788

HPLC/IC (Continued)

Leach Batch: 114807 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-114807/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-114807/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-114807/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-60654-A-3-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-60654-A-3-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 114862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8501-7	BH - 2 (2.0')	Soluble	Solid	DI Leach	
890-8501-8	BH - 2 (3.0')	Soluble	Solid	DI Leach	
890-8501-11	BH - 3 (0-1.0')	Soluble	Solid	DI Leach	
890-8501-12	BH - 3 (2.0')	Soluble	Solid	DI Leach	
890-8501-13	BH - 3 (3.0')	Soluble	Solid	DI Leach	
890-8501-16	BH - 4 (0-1.0')	Soluble	Solid	DI Leach	
890-8501-17	BH - 4 (2.0')	Soluble	Solid	DI Leach	
890-8501-18	BH - 4 (3.0')	Soluble	Solid	DI Leach	
MB 880-114862/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-114862/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-114862/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8501-12 MS	BH - 3 (2.0')	Soluble	Solid	DI Leach	
890-8501-12 MSD	BH - 3 (2.0')	Soluble	Solid	DI Leach	

Analysis Batch: 114881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8501-1	BH - 1 (0-1.0')	Soluble	Solid	300.0	114807
890-8501-2	BH - 1 (2.0')	Soluble	Solid	300.0	114807
890-8501-3	BH - 1 (3.0')	Soluble	Solid	300.0	114807
890-8501-4	BH - 1 (4.0')	Soluble	Solid	300.0	114807
890-8501-5	BH - 1 (5.0')	Soluble	Solid	300.0	114807
890-8501-6	BH - 2 (0-1.0')	Soluble	Solid	300.0	114807
MB 880-114807/1-A	Method Blank	Soluble	Solid	300.0	114807
LCS 880-114807/2-A	Lab Control Sample	Soluble	Solid	300.0	114807
LCSD 880-114807/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	114807
880-60654-A-3-C MS	Matrix Spike	Soluble	Solid	300.0	114807
880-60654-A-3-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	114807

Analysis Batch: 114927

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8501-7	BH - 2 (2.0')	Soluble	Solid	300.0	114862
890-8501-8	BH - 2 (3.0')	Soluble	Solid	300.0	114862
890-8501-11	BH - 3 (0-1.0')	Soluble	Solid	300.0	114862
890-8501-12	BH - 3 (2.0')	Soluble	Solid	300.0	114862
890-8501-13	BH - 3 (3.0')	Soluble	Solid	300.0	114862
890-8501-16	BH - 4 (0-1.0')	Soluble	Solid	300.0	114862
890-8501-17	BH - 4 (2.0')	Soluble	Solid	300.0	114862
890-8501-18	BH - 4 (3.0')	Soluble	Solid	300.0	114862
MB 880-114862/1-A	Method Blank	Soluble	Solid	300.0	114862
LCS 880-114862/2-A	Lab Control Sample	Soluble	Solid	300.0	114862
LCSD 880-114862/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	114862
890-8501-12 MS	BH - 3 (2.0')	Soluble	Solid	300.0	114862
890-8501-12 MSD	BH - 3 (2.0')	Soluble	Solid	300.0	114862

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Lab Chronicle

Client: Carmona Resources
Project/Site: CULEBRA BLUFF EAST CTB

Job ID: 890-8501-1
SDG: 2788

Client Sample ID: BH - 1 (0-1.0')**Lab Sample ID: 890-8501-1****Date Collected: 07/22/25 00:00****Matrix: Solid****Date Received: 07/22/25 15:38**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	114805	07/23/25 10:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114885	07/24/25 22:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115043	07/24/25 22:22	SA	EET MID
Total/NA	Analysis	8015 NM		1			114981	07/24/25 14:59	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	114750	07/22/25 14:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114924	07/24/25 14:59	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	114807	07/23/25 10:16	SA	EET MID
Soluble	Analysis	300.0		10			114881	07/25/25 03:16	CS	EET MID

Client Sample ID: BH - 1 (2.0')**Lab Sample ID: 890-8501-2****Date Collected: 07/22/25 00:00****Matrix: Solid****Date Received: 07/22/25 15:38**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	114805	07/23/25 10:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114885	07/24/25 22:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115043	07/24/25 22:43	SA	EET MID
Total/NA	Analysis	8015 NM		1			114981	07/24/25 15:15	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	114750	07/22/25 14:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114924	07/24/25 15:15	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	114807	07/23/25 10:16	SA	EET MID
Soluble	Analysis	300.0		1			114881	07/25/25 03:22	CS	EET MID

Client Sample ID: BH - 1 (3.0')**Lab Sample ID: 890-8501-3****Date Collected: 07/22/25 00:00****Matrix: Solid****Date Received: 07/22/25 15:38**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	115012	07/25/25 09:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115086	07/28/25 14:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115043	07/28/25 14:41	SA	EET MID
Total/NA	Analysis	8015 NM		1			114981	07/24/25 15:30	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	114750	07/22/25 14:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114924	07/24/25 15:30	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	114807	07/23/25 10:16	SA	EET MID
Soluble	Analysis	300.0		1			114881	07/25/25 03:28	CS	EET MID

Client Sample ID: BH - 1 (4.0')**Lab Sample ID: 890-8501-4****Date Collected: 07/22/25 00:00****Matrix: Solid****Date Received: 07/22/25 15:38**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	115012	07/25/25 09:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115086	07/28/25 15:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115043	07/28/25 15:01	SA	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: CULEBRA BLUFF EAST CTB

Job ID: 890-8501-1
SDG: 2788

Client Sample ID: BH - 1 (4.0')

Lab Sample ID: 890-8501-4

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/22/25 15:38

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			114981	07/24/25 15:45	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	114750	07/22/25 14:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114924	07/24/25 15:45	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	114807	07/23/25 10:16	SA	EET MID
Soluble	Analysis	300.0		1			114881	07/25/25 03:33	CS	EET MID

Client Sample ID: BH - 1 (5.0')

Lab Sample ID: 890-8501-5

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/22/25 15:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	115012	07/25/25 09:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115086	07/28/25 16:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115043	07/28/25 16:24	SA	EET MID
Total/NA	Analysis	8015 NM		1			114981	07/24/25 16:00	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	114750	07/22/25 14:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114924	07/24/25 16:00	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	114807	07/23/25 10:16	SA	EET MID
Soluble	Analysis	300.0		1			114881	07/25/25 03:39	CS	EET MID

Client Sample ID: BH - 2 (0-1.0')

Lab Sample ID: 890-8501-6

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/22/25 15:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	115012	07/25/25 09:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115086	07/28/25 16:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115043	07/28/25 16:44	SA	EET MID
Total/NA	Analysis	8015 NM		1			114981	07/24/25 16:31	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	114750	07/22/25 14:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114924	07/24/25 16:31	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	114807	07/23/25 10:16	SA	EET MID
Soluble	Analysis	300.0		5			114881	07/25/25 03:45	CS	EET MID

Client Sample ID: BH - 2 (2.0')

Lab Sample ID: 890-8501-7

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/22/25 15:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	115012	07/25/25 09:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115086	07/28/25 17:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115043	07/28/25 17:05	SA	EET MID
Total/NA	Analysis	8015 NM		1			114981	07/24/25 16:46	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	114750	07/22/25 14:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114924	07/24/25 16:46	TKC	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: CULEBRA BLUFF EAST CTB

Job ID: 890-8501-1
SDG: 2788

Client Sample ID: BH - 2 (2.0')

Lab Sample ID: 890-8501-7

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/22/25 15:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	114862	07/23/25 16:42	SA	EET MID
Soluble	Analysis	300.0		1			114927	07/24/25 16:19	CS	EET MID

Client Sample ID: BH - 2 (3.0')

Lab Sample ID: 890-8501-8

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/22/25 15:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	115012	07/25/25 09:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115086	07/28/25 17:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115043	07/28/25 17:25	SA	EET MID
Total/NA	Analysis	8015 NM		1			114981	07/24/25 17:02	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	114750	07/22/25 14:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114924	07/24/25 17:02	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	114862	07/23/25 16:42	SA	EET MID
Soluble	Analysis	300.0		1			114927	07/24/25 16:24	CS	EET MID

Client Sample ID: BH - 3 (0-1.0')

Lab Sample ID: 890-8501-11

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/22/25 15:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	115012	07/25/25 09:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115086	07/28/25 17:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115043	07/28/25 17:46	SA	EET MID
Total/NA	Analysis	8015 NM		1			114981	07/24/25 17:17	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	114750	07/22/25 14:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114924	07/24/25 17:17	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	114862	07/23/25 16:42	SA	EET MID
Soluble	Analysis	300.0		1			114927	07/24/25 16:30	CS	EET MID

Client Sample ID: BH - 3 (2.0')

Lab Sample ID: 890-8501-12

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/22/25 15:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	115012	07/25/25 09:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115086	07/28/25 18:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115043	07/28/25 18:06	SA	EET MID
Total/NA	Analysis	8015 NM		1			114981	07/24/25 17:33	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	114750	07/22/25 14:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114924	07/24/25 17:33	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	114862	07/23/25 16:42	SA	EET MID
Soluble	Analysis	300.0		1			114927	07/24/25 16:36	CS	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: CULEBRA BLUFF EAST CTB

Job ID: 890-8501-1
SDG: 2788

Client Sample ID: BH - 3 (3.0')
Date Collected: 07/22/25 00:00
Date Received: 07/22/25 15:38

Lab Sample ID: 890-8501-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	115012	07/25/25 09:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115086	07/28/25 18:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115043	07/28/25 18:27	SA	EET MID
Total/NA	Analysis	8015 NM		1			114981	07/24/25 17:48	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	114750	07/22/25 14:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114924	07/24/25 17:48	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	114862	07/23/25 16:42	SA	EET MID
Soluble	Analysis	300.0		1			114927	07/24/25 16:53	CS	EET MID

Client Sample ID: BH - 4 (0-1.0')
Date Collected: 07/22/25 00:00
Date Received: 07/22/25 15:38

Lab Sample ID: 890-8501-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	115012	07/25/25 09:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115086	07/28/25 18:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115043	07/28/25 18:47	SA	EET MID
Total/NA	Analysis	8015 NM		1			114981	07/24/25 18:03	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	114750	07/22/25 14:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114924	07/24/25 18:03	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	114862	07/23/25 16:42	SA	EET MID
Soluble	Analysis	300.0		1			114927	07/24/25 16:58	CS	EET MID

Client Sample ID: BH - 4 (2.0')
Date Collected: 07/22/25 00:00
Date Received: 07/22/25 15:38

Lab Sample ID: 890-8501-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	115012	07/25/25 09:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115086	07/28/25 19:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115043	07/28/25 19:07	SA	EET MID
Total/NA	Analysis	8015 NM		1			114981	07/24/25 18:19	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	114750	07/22/25 14:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114924	07/24/25 18:19	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	114862	07/23/25 16:42	SA	EET MID
Soluble	Analysis	300.0		1			114927	07/24/25 17:15	CS	EET MID

Client Sample ID: BH - 4 (3.0')
Date Collected: 07/22/25 00:00
Date Received: 07/22/25 15:38

Lab Sample ID: 890-8501-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	115012	07/25/25 09:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115086	07/28/25 19:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115043	07/28/25 19:28	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Carmona Resources
Project/Site: CULEBRA BLUFF EAST CTB

Job ID: 890-8501-1
SDG: 2788

Client Sample ID: BH - 4 (3.0')
Date Collected: 07/22/25 00:00
Date Received: 07/22/25 15:38

Lab Sample ID: 890-8501-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			114981	07/24/25 18:34	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	114750	07/22/25 14:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114924	07/24/25 18:34	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	114862	07/23/25 16:42	SA	EET MID
Soluble	Analysis	300.0		1			114927	07/24/25 17:21	CS	EET MID

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

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Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: CULEBRA BLUFF EAST CTB

Job ID: 890-8501-1
SDG: 2788

Laboratory: Eurofins Midland

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

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

Method Summary

Client: Carmona Resources
Project/Site: CULEBRA BLUFF EAST CTB

Job ID: 890-8501-1
SDG: 2788

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: CULEBRA BLUFF EAST CTB

Job ID: 890-8501-1
SDG: 2788

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-8501-1	BH - 1 (0-1.0')	Solid	07/22/25 00:00	07/22/25 15:38
890-8501-2	BH - 1 (2.0')	Solid	07/22/25 00:00	07/22/25 15:38
890-8501-3	BH - 1 (3.0')	Solid	07/22/25 00:00	07/22/25 15:38
890-8501-4	BH - 1 (4.0')	Solid	07/22/25 00:00	07/22/25 15:38
890-8501-5	BH - 1 (5.0')	Solid	07/22/25 00:00	07/22/25 15:38
890-8501-6	BH - 2 (0-1.0')	Solid	07/22/25 00:00	07/22/25 15:38
890-8501-7	BH - 2 (2.0')	Solid	07/22/25 00:00	07/22/25 15:38
890-8501-8	BH - 2 (3.0')	Solid	07/22/25 00:00	07/22/25 15:38
890-8501-11	BH - 3 (0-1.0')	Solid	07/22/25 00:00	07/22/25 15:38
890-8501-12	BH - 3 (2.0')	Solid	07/22/25 00:00	07/22/25 15:38
890-8501-13	BH - 3 (3.0')	Solid	07/22/25 00:00	07/22/25 15:38
890-8501-16	BH - 4 (0-1.0')	Solid	07/22/25 00:00	07/22/25 15:38
890-8501-17	BH - 4 (2.0')	Solid	07/22/25 00:00	07/22/25 15:38
890-8501-18	BH - 4 (3.0')	Solid	07/22/25 00:00	07/22/25 15:38

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Chain of Custody

Work Order No: _____

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Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 West Wall Ste. 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-8988	Email:	ThielkeA@Carmonaresources.com

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

Project Name:	Culebra Bluff East CTB	Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number:	2788	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush															None: NO	DI Water: H ₂ O
Project Location:	Eddy Co, NM	Due Date:	Normal														Cool: Cool	MeOH: Me
Sampler's Name:	GPJ/FV	TAT starts the day received by the lab, if received by 4:30pm															HCL: HC	HNO ₃ : HN
PO #:																	H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT	Temp Blank: Yes <input checked="" type="radio"/> No <input type="radio"/>	Yes <input type="radio"/> No <input checked="" type="radio"/>	Well loc: Yes <input checked="" type="radio"/> No <input type="radio"/>														H ₃ PO ₄ : HP	
Received intact:	Yes <input checked="" type="radio"/> No <input type="radio"/>	Thermometer ID:															NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes <input checked="" type="radio"/> No <input type="radio"/> N/A	Correction Factor:															Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:	Yes <input checked="" type="radio"/> No <input type="radio"/> N/A	Temperature Reading:															Zn Acetate+NaOH: Zn	
Total Containers:		Corrected Temperature:															NaOH+Ascorbic Acid: SAPC	

Sample Identification	Date	Time	Soil	Water	Grab/	# of													Sample Comments																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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Please send results to cmoehting@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	7/22/25 15:38			

Chain of Custody

Work Order No: _____

Page 2 of 2

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 West Wall Ste. 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-8988	Email:	ThielkeA@Carmonaresources.com

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

Project Name:	Culebra Bluff East CTB	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code		ANALYSIS REQUEST												Preservative Codes		
Project Number:	2788	Due Date:	Normal															None: NO	DI Water: H ₂ O	
Project Location:	Eddy Co. NM	TAT starts the day received by the lab, if received by 4:30pm																Cool: Cool	MeOH: Me	
Sampler's Name:	GPJ/FV																	HCL: HC	HNO ₃ : HN	
PO #:																		H ₂ SO ₄ : H ₂	NaOH: Na	
SAMPLE RECEIPT	Temp Blank: Yes <input checked="" type="radio"/> No <input type="radio"/>	Thermometer ID: Yes <input checked="" type="radio"/> No <input type="radio"/>	Wet Ice: Yes <input checked="" type="radio"/> No <input type="radio"/>	Parameters														H ₃ PO ₄ : HP		
Received In tact:	Yes <input checked="" type="radio"/> No <input type="radio"/>	Correction Factor: Yes <input checked="" type="radio"/> No <input type="radio"/>	Temperature Reading: Yes <input checked="" type="radio"/> No <input type="radio"/>															NaHSO ₄ : NABIS		
Cooler Custody Seals:	Yes <input checked="" type="radio"/> No <input type="radio"/>	Corrected Temperature: Yes <input checked="" type="radio"/> No <input type="radio"/>																Na ₂ S ₂ O ₃ : NaSO ₃		
Sample Custody Seals:	Yes <input checked="" type="radio"/> No <input type="radio"/>																	Zn Acetate+NaOH: Zn		
Total Containers:																		NaOH+Ascorbic Acid: SACP		
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
BH-3 (0-1.0')	7/22/2025		X		G	1	X	X	X											
BH-3 (2.0')	7/22/2025		X		G	1	X	X	X											
BH-3 (3.0')	7/22/2025		X		G	1	X	X	X											
BH-3 (4.0')	7/22/2025		X		G	1														
BH-3 (5.0')	7/22/2025		X		G	1														
BH-4 (0-1.0')	7/22/2025		X		G	1	X	X	X											
BH-4 (2.0')	7/22/2025		X		G	1	X	X	X											
BH-4 (3.0')	7/22/2025		X		G	1	X	X	X											
BH-4 (4.0')	7/22/2025		X		G	1														
BH-4 (5.0')	7/22/2025		X		G	1														

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		7/22/2025 15:38			

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-8501-1

SDG Number: 2788

Login Number: 8501

List Number: 1

Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
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.	N/A	Refer to Job Narrative for details.
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	

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-8501-1

SDG Number: 2788

Login Number: 8501

List Number: 2

Creator: Laing, Edmundo

List Source: Eurofins Midland

List Creation: 07/23/25 08:23 AM

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/28/2025 2:29:54 PM

JOB DESCRIPTION

Culbera Bluff East CTB
2788

JOB NUMBER

890-8502-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

Eurofins Carlsbad

Job Notes

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

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

Authorization



Generated
7/28/2025 2:29:54 PM

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

Client: Carmona Resources
Project/Site: Culbera Bluff East CTB

Laboratory Job ID: 890-8502-1
SDG: 2788

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Culbera Bluff East CTB

Job ID: 890-8502-1
SDG: 2788

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
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: Culbera Bluff East CTB

Job ID: 890-8502-1

Job ID: 890-8502-1

Eurofins Carlsbad

Job Narrative 890-8502-1

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 7/22/2025 3:38 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 0.4°C.

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: (890-8507-A-1-C MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-115012 and analytical batch 880-115086 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Diesel Range Organics

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

HPLC/IC

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

Eurofins Carlsbad

Client Sample Results

Client: Carmona Resources
Project/Site: Culbera Bluff East CTB

Job ID: 890-8502-1
SDG: 2788

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

Lab Sample ID: 890-8502-1

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/22/25 15:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/25/25 09:28	07/28/25 12:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/25/25 09:28	07/28/25 12:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/25/25 09:28	07/28/25 12:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/25/25 09:28	07/28/25 12:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/25/25 09:28	07/28/25 12:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/25/25 09:28	07/28/25 12:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	07/25/25 09:28	07/28/25 12:58	1
1,4-Difluorobenzene (Surr)	103		70 - 130	07/25/25 09:28	07/28/25 12:58	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			07/28/25 12:58	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			07/24/25 20:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/23/25 07:39	07/24/25 20:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/23/25 07:39	07/24/25 20:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/23/25 07:39	07/24/25 20:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	106		70 - 130	07/23/25 07:39	07/24/25 20:34	1
o-Terphenyl (Surr)	111		70 - 130	07/23/25 07:39	07/24/25 20:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.94	U	9.94		mg/Kg			07/24/25 17:27	1

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

Lab Sample ID: 890-8502-2

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/22/25 15:38

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		07/25/25 09:28	07/28/25 13:19	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/25/25 09:28	07/28/25 13:19	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/25/25 09:28	07/28/25 13:19	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		07/25/25 09:28	07/28/25 13:19	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/25/25 09:28	07/28/25 13:19	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/25/25 09:28	07/28/25 13:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	07/25/25 09:28	07/28/25 13:19	1
1,4-Difluorobenzene (Surr)	104		70 - 130	07/25/25 09:28	07/28/25 13:19	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Culbera Bluff East CTB

Job ID: 890-8502-1
SDG: 2788

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

Lab Sample ID: 890-8502-2

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/22/25 15:38

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			07/28/25 13:19	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			07/24/25 21:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/23/25 07:39	07/24/25 21:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/23/25 07:39	07/24/25 21:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/23/25 07:39	07/24/25 21:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	102		70 - 130				07/23/25 07:39	07/24/25 21:19	1
o-Terphenyl (Surr)	102		70 - 130				07/23/25 07:39	07/24/25 21:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	122		9.96		mg/Kg			07/24/25 17:32	1

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

Lab Sample ID: 890-8502-3

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/22/25 15:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/25/25 09:28	07/28/25 13:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/25/25 09:28	07/28/25 13:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/25/25 09:28	07/28/25 13:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/25/25 09:28	07/28/25 13:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/25/25 09:28	07/28/25 13:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/25/25 09:28	07/28/25 13:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				07/25/25 09:28	07/28/25 13:39	1
1,4-Difluorobenzene (Surr)	102		70 - 130				07/25/25 09:28	07/28/25 13:39	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			07/28/25 13:39	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			07/24/25 21:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/23/25 07:39	07/24/25 21:34	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/23/25 07:39	07/24/25 21:34	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Culbera Bluff East CTB

Job ID: 890-8502-1
SDG: 2788

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

Lab Sample ID: 890-8502-3

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/22/25 15:38

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		07/23/25 07:39	07/24/25 21:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	110		70 - 130				07/23/25 07:39	07/24/25 21:34	1
o-Terphenyl (Surr)	111		70 - 130				07/23/25 07:39	07/24/25 21:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	337		10.0		mg/Kg			07/24/25 17:38	1

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

Lab Sample ID: 890-8502-4

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/22/25 15:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/25/25 09:28	07/28/25 14:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/25/25 09:28	07/28/25 14:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/25/25 09:28	07/28/25 14:00	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/25/25 09:28	07/28/25 14:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/25/25 09:28	07/28/25 14:00	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/25/25 09:28	07/28/25 14:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				07/25/25 09:28	07/28/25 14:00	1
1,4-Difluorobenzene (Surr)	99		70 - 130				07/25/25 09:28	07/28/25 14:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/28/25 14:00	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			07/24/25 21:50	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		07/23/25 07:39	07/24/25 21:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/23/25 07:39	07/24/25 21:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/23/25 07:39	07/24/25 21:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	101		70 - 130				07/23/25 07:39	07/24/25 21:50	1
o-Terphenyl (Surr)	102		70 - 130				07/23/25 07:39	07/24/25 21:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.4		9.94		mg/Kg			07/24/25 17:44	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Culbera Bluff East CTB

Job ID: 890-8502-1
SDG: 2788

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

Lab Sample ID: 890-8502-5

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/22/25 15:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/25/25 09:28	07/28/25 14:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/25/25 09:28	07/28/25 14:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/25/25 09:28	07/28/25 14:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/25/25 09:28	07/28/25 14:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/25/25 09:28	07/28/25 14:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/25/25 09:28	07/28/25 14:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	07/25/25 09:28	07/28/25 14:20	1
1,4-Difluorobenzene (Surr)	100		70 - 130	07/25/25 09:28	07/28/25 14:20	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			07/28/25 14:20	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			07/24/25 22:05	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		07/23/25 07:39	07/24/25 22:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/23/25 07:39	07/24/25 22:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/23/25 07:39	07/24/25 22:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	106		70 - 130	07/23/25 07:39	07/24/25 22:05	1
o-Terphenyl (Surr)	104		70 - 130	07/23/25 07:39	07/24/25 22:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	250		9.90		mg/Kg			07/24/25 17:49	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Culbera Bluff East CTB

Job ID: 890-8502-1
SDG: 2788

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)
890-8502-1	H-1 (0-0.5)	122	103
890-8502-2	H-2 (0-0.5)	127	104
890-8502-3	H-3 (0-0.5)	126	102
890-8502-4	H-4 (0-0.5)	122	99
890-8502-5	H-5 (0-0.5)	118	100
890-8507-A-1-C MS	Matrix Spike	99	36 S1-
890-8507-A-1-D MSD	Matrix Spike Duplicate	108	100
LCS 880-115012/1-A	Lab Control Sample	111	95
LCSD 880-115012/2-A	Lab Control Sample Dup	105	91
MB 880-115012/5-A	Method Blank	111	98

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)
890-8502-1	H-1 (0-0.5)	106	111
890-8502-1 MS	H-1 (0-0.5)	112	109
890-8502-1 MSD	H-1 (0-0.5)	111	108
890-8502-2	H-2 (0-0.5)	102	102
890-8502-3	H-3 (0-0.5)	110	111
890-8502-4	H-4 (0-0.5)	101	102
890-8502-5	H-5 (0-0.5)	106	104
LCS 880-114775/2-A	Lab Control Sample	120	123
LCSD 880-114775/3-A	Lab Control Sample Dup	122	124
MB 880-114775/1-A	Method Blank	102	109

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Carmona Resources
Project/Site: Culbera Bluff East CTB

Job ID: 890-8502-1
SDG: 2788

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-115012/5-A

Matrix: Solid

Analysis Batch: 115086

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 115012

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/25/25 09:28	07/28/25 11:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/25/25 09:28	07/28/25 11:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/25/25 09:28	07/28/25 11:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/25/25 09:28	07/28/25 11:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/25/25 09:28	07/28/25 11:35	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/25/25 09:28	07/28/25 11:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	07/25/25 09:28	07/28/25 11:35	1
1,4-Difluorobenzene (Surr)	98		70 - 130	07/25/25 09:28	07/28/25 11:35	1

Lab Sample ID: LCS 880-115012/1-A

Matrix: Solid

Analysis Batch: 115086

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 115012

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1245		mg/Kg		124	70 - 130
Toluene	0.100	0.1183		mg/Kg		118	70 - 130
Ethylbenzene	0.100	0.1257		mg/Kg		126	70 - 130
m-Xylene & p-Xylene	0.200	0.2464		mg/Kg		123	70 - 130
o-Xylene	0.100	0.1260		mg/Kg		126	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: LCSD 880-115012/2-A

Matrix: Solid

Analysis Batch: 115086

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 115012

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1149		mg/Kg		115	70 - 130	8	35
Toluene	0.100	0.1105		mg/Kg		111	70 - 130	7	35
Ethylbenzene	0.100	0.1162		mg/Kg		116	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.2271		mg/Kg		114	70 - 130	8	35
o-Xylene	0.100	0.1160		mg/Kg		116	70 - 130	8	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: 890-8507-A-1-C MS

Matrix: Solid

Analysis Batch: 115086

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 115012

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F2 F1	0.100	0.009498	F1	mg/Kg		9	70 - 130
Toluene	<0.00200	U F2 F1	0.100	0.02396	F1	mg/Kg		24	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Culbera Bluff East CTB

Job ID: 890-8502-1
SDG: 2788

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

Lab Sample ID: 890-8507-A-1-C MS

Matrix: Solid

Analysis Batch: 115086

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 115012

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	
	Result	Qualifier	Added	Result	Qualifier				Limits	
Ethylbenzene	<0.00200	U F2 F1	0.100	0.02786	F1	mg/Kg		28	70 - 130	
m-Xylene & p-Xylene	<0.00399	U F2 F1	0.200	0.05843	F1	mg/Kg		29	70 - 130	
o-Xylene	<0.00200	U F2 F1	0.100	0.01456	F1	mg/Kg		15	70 - 130	
		MS	MS							
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)	99		70 - 130							
1,4-Difluorobenzene (Surr)	36	S1-	70 - 130							

Lab Sample ID: 890-8507-A-1-D MSD

Matrix: Solid

Analysis Batch: 115086

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 115012

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec		RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits		RPD	Limit
Benzene	<0.00200	U F2 F1	0.100	0.1035	F2	mg/Kg		104	70 - 130		166	35
Toluene	<0.00200	U F2 F1	0.100	0.09121	F2	mg/Kg		91	70 - 130		117	35
Ethylbenzene	<0.00200	U F2 F1	0.100	0.09677	F2	mg/Kg		97	70 - 130		111	35
m-Xylene & p-Xylene	<0.00399	U F2 F1	0.200	0.1908	F2	mg/Kg		95	70 - 130		106	35
o-Xylene	<0.00200	U F2 F1	0.100	0.09912	F2	mg/Kg		99	70 - 130		149	35
		MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits									
4-Bromofluorobenzene (Surr)	108		70 - 130									
1,4-Difluorobenzene (Surr)	100		70 - 130									

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

Lab Sample ID: MB 880-114775/1-A

Matrix: Solid

Analysis Batch: 114924

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114775

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/23/25 07:38	07/24/25 19:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/23/25 07:38	07/24/25 19:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/23/25 07:38	07/24/25 19:50	1
		MB	MB						
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane (Surr)	102		70 - 130						
o-Terphenyl (Surr)	109		70 - 130						

Lab Sample ID: LCS 880-114775/2-A

Matrix: Solid

Analysis Batch: 114924

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 114775

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	
							Limits	
Gasoline Range Organics (GRO)-C6-C10	1000	1030		mg/Kg		103	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	868.9		mg/Kg		87	70 - 130	

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QC Sample Results

Client: Carmona Resources
Project/Site: Culbera Bluff East CTB

Job ID: 890-8502-1
SDG: 2788

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

Lab Sample ID: LCS 880-114775/2-A

Matrix: Solid

Analysis Batch: 114924

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 114775

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	120		70 - 130
o-Terphenyl (Surr)	123		70 - 130

Lab Sample ID: LCSD 880-114775/3-A

Matrix: Solid

Analysis Batch: 114924

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 114775

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1040		mg/Kg		104	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	879.2		mg/Kg		88	70 - 130	1	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	122		70 - 130
o-Terphenyl (Surr)	124		70 - 130

Lab Sample ID: 890-8502-1 MS

Matrix: Solid

Analysis Batch: 114924

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

Prep Type: Total/NA

Prep Batch: 114775

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	999	915.8		mg/Kg		92	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	999	830.4		mg/Kg		81	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	112		70 - 130
o-Terphenyl (Surr)	109		70 - 130

Lab Sample ID: 890-8502-1 MSD

Matrix: Solid

Analysis Batch: 114924

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

Prep Type: Total/NA

Prep Batch: 114775

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	913.0		mg/Kg		91	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	823.2		mg/Kg		81	70 - 130	1	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	111		70 - 130
o-Terphenyl (Surr)	108		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Culbera Bluff East CTB

Job ID: 890-8502-1
SDG: 2788

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-114862/1-A
Matrix: Solid
Analysis Batch: 114927

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			07/24/25 15:00	1

Lab Sample ID: LCS 880-114862/2-A
Matrix: Solid
Analysis Batch: 114927

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	244.4		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-114862/3-A
Matrix: Solid
Analysis Batch: 114927

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	245.1		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 890-8501-A-12-E MS
Matrix: Solid
Analysis Batch: 114927

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	70.7		249	324.1		mg/Kg		102	90 - 110

Lab Sample ID: 890-8501-A-12-F MSD
Matrix: Solid
Analysis Batch: 114927

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	70.7		249	323.6		mg/Kg		102	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Culbera Bluff East CTB

Job ID: 890-8502-1
SDG: 2788

GC VOA

Prep Batch: 115012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8502-1	H-1 (0-0.5)	Total/NA	Solid	5035	
890-8502-2	H-2 (0-0.5)	Total/NA	Solid	5035	
890-8502-3	H-3 (0-0.5)	Total/NA	Solid	5035	
890-8502-4	H-4 (0-0.5)	Total/NA	Solid	5035	
890-8502-5	H-5 (0-0.5)	Total/NA	Solid	5035	
MB 880-115012/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-115012/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-115012/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8507-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
890-8507-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 115086

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8502-1	H-1 (0-0.5)	Total/NA	Solid	8021B	115012
890-8502-2	H-2 (0-0.5)	Total/NA	Solid	8021B	115012
890-8502-3	H-3 (0-0.5)	Total/NA	Solid	8021B	115012
890-8502-4	H-4 (0-0.5)	Total/NA	Solid	8021B	115012
890-8502-5	H-5 (0-0.5)	Total/NA	Solid	8021B	115012
MB 880-115012/5-A	Method Blank	Total/NA	Solid	8021B	115012
LCS 880-115012/1-A	Lab Control Sample	Total/NA	Solid	8021B	115012
LCSD 880-115012/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	115012
890-8507-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	115012
890-8507-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	115012

Analysis Batch: 115203

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8502-1	H-1 (0-0.5)	Total/NA	Solid	Total BTEX	
890-8502-2	H-2 (0-0.5)	Total/NA	Solid	Total BTEX	
890-8502-3	H-3 (0-0.5)	Total/NA	Solid	Total BTEX	
890-8502-4	H-4 (0-0.5)	Total/NA	Solid	Total BTEX	
890-8502-5	H-5 (0-0.5)	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 114775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8502-1	H-1 (0-0.5)	Total/NA	Solid	8015NM Prep	
890-8502-2	H-2 (0-0.5)	Total/NA	Solid	8015NM Prep	
890-8502-3	H-3 (0-0.5)	Total/NA	Solid	8015NM Prep	
890-8502-4	H-4 (0-0.5)	Total/NA	Solid	8015NM Prep	
890-8502-5	H-5 (0-0.5)	Total/NA	Solid	8015NM Prep	
MB 880-114775/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-114775/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-114775/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8502-1 MS	H-1 (0-0.5)	Total/NA	Solid	8015NM Prep	
890-8502-1 MSD	H-1 (0-0.5)	Total/NA	Solid	8015NM Prep	

Analysis Batch: 114924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8502-1	H-1 (0-0.5)	Total/NA	Solid	8015B NM	114775
890-8502-2	H-2 (0-0.5)	Total/NA	Solid	8015B NM	114775

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QC Association Summary

Client: Carmona Resources
Project/Site: Culbera Bluff East CTB

Job ID: 890-8502-1
SDG: 2788

GC Semi VOA (Continued)

Analysis Batch: 114924 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8502-3	H-3 (0-0.5)	Total/NA	Solid	8015B NM	114775
890-8502-4	H-4 (0-0.5)	Total/NA	Solid	8015B NM	114775
890-8502-5	H-5 (0-0.5)	Total/NA	Solid	8015B NM	114775
MB 880-114775/1-A	Method Blank	Total/NA	Solid	8015B NM	114775
LCS 880-114775/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	114775
LCSD 880-114775/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	114775
890-8502-1 MS	H-1 (0-0.5)	Total/NA	Solid	8015B NM	114775
890-8502-1 MSD	H-1 (0-0.5)	Total/NA	Solid	8015B NM	114775

Analysis Batch: 115028

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8502-1	H-1 (0-0.5)	Total/NA	Solid	8015 NM	
890-8502-2	H-2 (0-0.5)	Total/NA	Solid	8015 NM	
890-8502-3	H-3 (0-0.5)	Total/NA	Solid	8015 NM	
890-8502-4	H-4 (0-0.5)	Total/NA	Solid	8015 NM	
890-8502-5	H-5 (0-0.5)	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 114862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8502-1	H-1 (0-0.5)	Soluble	Solid	DI Leach	
890-8502-2	H-2 (0-0.5)	Soluble	Solid	DI Leach	
890-8502-3	H-3 (0-0.5)	Soluble	Solid	DI Leach	
890-8502-4	H-4 (0-0.5)	Soluble	Solid	DI Leach	
890-8502-5	H-5 (0-0.5)	Soluble	Solid	DI Leach	
MB 880-114862/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-114862/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-114862/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8501-A-12-E MS	Matrix Spike	Soluble	Solid	DI Leach	
890-8501-A-12-F MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 114927

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8502-1	H-1 (0-0.5)	Soluble	Solid	300.0	114862
890-8502-2	H-2 (0-0.5)	Soluble	Solid	300.0	114862
890-8502-3	H-3 (0-0.5)	Soluble	Solid	300.0	114862
890-8502-4	H-4 (0-0.5)	Soluble	Solid	300.0	114862
890-8502-5	H-5 (0-0.5)	Soluble	Solid	300.0	114862
MB 880-114862/1-A	Method Blank	Soluble	Solid	300.0	114862
LCS 880-114862/2-A	Lab Control Sample	Soluble	Solid	300.0	114862
LCSD 880-114862/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	114862
890-8501-A-12-E MS	Matrix Spike	Soluble	Solid	300.0	114862
890-8501-A-12-F MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	114862

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Lab Chronicle

Client: Carmona Resources
Project/Site: Culbera Bluff East CTB

Job ID: 890-8502-1
SDG: 2788

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

Lab Sample ID: 890-8502-1

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/22/25 15:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	115012	07/25/25 09:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115086	07/28/25 12:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115203	07/28/25 12:58	SA	EET MID
Total/NA	Analysis	8015 NM		1			115028	07/24/25 20:34	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	114775	07/23/25 07:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114924	07/24/25 20:34	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	114862	07/23/25 16:42	SA	EET MID
Soluble	Analysis	300.0		1			114927	07/24/25 17:27	CS	EET MID

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

Lab Sample ID: 890-8502-2

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/22/25 15:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	115012	07/25/25 09:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115086	07/28/25 13:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115203	07/28/25 13:19	SA	EET MID
Total/NA	Analysis	8015 NM		1			115028	07/24/25 21:19	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	114775	07/23/25 07:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114924	07/24/25 21:19	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	114862	07/23/25 16:42	SA	EET MID
Soluble	Analysis	300.0		1			114927	07/24/25 17:32	CS	EET MID

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

Lab Sample ID: 890-8502-3

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/22/25 15:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	115012	07/25/25 09:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115086	07/28/25 13:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115203	07/28/25 13:39	SA	EET MID
Total/NA	Analysis	8015 NM		1			115028	07/24/25 21:34	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	114775	07/23/25 07:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114924	07/24/25 21:34	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	114862	07/23/25 16:42	SA	EET MID
Soluble	Analysis	300.0		1			114927	07/24/25 17:38	CS	EET MID

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

Lab Sample ID: 890-8502-4

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/22/25 15:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	115012	07/25/25 09:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115086	07/28/25 14:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115203	07/28/25 14:00	SA	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Culbera Bluff East CTB

Job ID: 890-8502-1
SDG: 2788

Client Sample ID: H-4 (0-0.5)
Date Collected: 07/22/25 00:00
Date Received: 07/22/25 15:38

Lab Sample ID: 890-8502-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			115028	07/24/25 21:50	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	114775	07/23/25 07:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114924	07/24/25 21:50	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	114862	07/23/25 16:42	SA	EET MID
Soluble	Analysis	300.0		1			114927	07/24/25 17:44	CS	EET MID

Client Sample ID: H-5 (0-0.5)
Date Collected: 07/22/25 00:00
Date Received: 07/22/25 15:38

Lab Sample ID: 890-8502-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	115012	07/25/25 09:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115086	07/28/25 14:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115203	07/28/25 14:20	SA	EET MID
Total/NA	Analysis	8015 NM		1			115028	07/24/25 22:05	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	114775	07/23/25 07:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114924	07/24/25 22:05	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	114862	07/23/25 16:42	SA	EET MID
Soluble	Analysis	300.0		1			114927	07/24/25 17:49	CS	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Culbera Bluff East CTB

Job ID: 890-8502-1
SDG: 2788

Laboratory: Eurofins Midland

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

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

Method Summary

Client: Carmona Resources
Project/Site: Culbera Bluff East CTB

Job ID: 890-8502-1
SDG: 2788

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: Culbera Bluff East CTB

Job ID: 890-8502-1
SDG: 2788

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-8502-1	H-1 (0-0.5)	Solid	07/22/25 00:00	07/22/25 15:38
890-8502-2	H-2 (0-0.5)	Solid	07/22/25 00:00	07/22/25 15:38
890-8502-3	H-3 (0-0.5)	Solid	07/22/25 00:00	07/22/25 15:38
890-8502-4	H-4 (0-0.5)	Solid	07/22/25 00:00	07/22/25 15:38
890-8502-5	H-5 (0-0.5)	Solid	07/22/25 00:00	07/22/25 15:38

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

Chain of Custody



89U-8502 Chain of Custody

Page 1 of 1



Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 West Wall Ste. 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-8988	Email:	ThielkeA@Carmonaresources.com

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

Project Name:		Culebra Bluff East CTB		Turn Around		ANALYSIS REQUEST										Preservative Codes					
Project Number:		2788		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush		Pres. Code												None: NO		DI Water: H ₂ O	
Project Location		Eddy Co. NM		Due Date:		Normal												Cool: Cool		MeOH: Me	
Sampler's Name:		GPJ/FV		TAT starts the day received by the lab, if received by 4:30pm														HCL: HC		HNO ₃ : HN	
PO #:																		H ₂ SO ₄ : H ₂		NaOH: Na	
SAMPLE RECEIPT		Temp Blank:		Yes No		Wet Ice:		Yes No										H ₃ PO ₄ : HP			
Received In/At:		<input checked="" type="radio"/> Yes <input type="radio"/> No		Thermometer ID:				-0.2										NaHSO ₄ : NABIS			
Cooler Custody Seals:		<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> M/A		Correction Factor:				0.6										Na ₂ S ₂ O ₃ : NaSO ₃			
Sample Custody Seals:		<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> M/A		Temperature Reading:				0.4										Zn Acetate+NaOH: Zn			
Total Containers:				Corrected Temperature:														NaOH+Ascorbic Acid: SAPC			
																		HOLD			

[illegible]

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		11/22/15 3:30			

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-8502-1

SDG Number: 2788

Login Number: 8502

List Number: 1

Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
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.	N/A	Refer to Job Narrative for details.
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	

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-8502-1

SDG Number: 2788

Login Number: 8502

List Number: 2

Creator: Laing, Edmundo

List Source: Eurofins Midland

List Creation: 07/23/25 08:27 AM

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



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

September 04, 2025

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: CULEBRA BLUFF EAST CTB

Enclosed are the results of analyses for samples received by the laboratory on 09/03/25 13:37.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 09/03/2025
 Reported: 09/04/2025
 Project Name: CULEBRA BLUFF EAST CTB
 Project Number: 2788
 Project Location: EDDY CO NM

Sampling Date: 09/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 1 (1.5') (H255465-01)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/03/2025	ND	1.92	96.1	2.00	2.35	
Toluene*	<0.050	0.050	09/03/2025	ND	1.95	97.3	2.00	2.13	
Ethylbenzene*	<0.050	0.050	09/03/2025	ND	1.90	95.2	2.00	1.80	
Total Xylenes*	<0.150	0.150	09/03/2025	ND	5.61	93.6	6.00	1.75	
Total BTEX	<0.300	0.300	09/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	688	16.0	09/04/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/03/2025	ND	216	108	200	1.55	
DRO >C10-C28*	<10.0	10.0	09/03/2025	ND	207	104	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	09/03/2025	ND					

Surrogate: 1-Chlorooctane 98.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 93.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/03/2025
 Reported: 09/04/2025
 Project Name: CULEBRA BLUFF EAST CTB
 Project Number: 2788
 Project Location: EDDY CO NM

Sampling Date: 09/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 2 (1.5') (H255465-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/03/2025	ND	1.92	96.1	2.00	2.35		
Toluene*	<0.050	0.050	09/03/2025	ND	1.95	97.3	2.00	2.13		
Ethylbenzene*	<0.050	0.050	09/03/2025	ND	1.90	95.2	2.00	1.80		
Total Xylenes*	<0.150	0.150	09/03/2025	ND	5.61	93.6	6.00	1.75		
Total BTEx	<0.300	0.300	09/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	09/04/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/03/2025	ND	216	108	200	1.55	
DRO >C10-C28*	<10.0	10.0	09/03/2025	ND	207	104	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	09/03/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/03/2025
 Reported: 09/04/2025
 Project Name: CULEBRA BLUFF EAST CTB
 Project Number: 2788
 Project Location: EDDY CO NM

Sampling Date: 09/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 3 (1.5') (H255465-03)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/03/2025	ND	1.92	96.1	2.00	2.35	
Toluene*	<0.050	0.050	09/03/2025	ND	1.95	97.3	2.00	2.13	
Ethylbenzene*	<0.050	0.050	09/03/2025	ND	1.90	95.2	2.00	1.80	
Total Xylenes*	<0.150	0.150	09/03/2025	ND	5.61	93.6	6.00	1.75	
Total BTEX	<0.300	0.300	09/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	09/04/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/03/2025	ND	216	108	200	1.55	
DRO >C10-C28*	<10.0	10.0	09/03/2025	ND	207	104	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	09/03/2025	ND					

Surrogate: 1-Chlorooctane 87.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/03/2025
 Reported: 09/04/2025
 Project Name: CULEBRA BLUFF EAST CTB
 Project Number: 2788
 Project Location: EDDY CO NM

Sampling Date: 09/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 4 (1.5') (H255465-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/03/2025	ND	1.92	96.1	2.00	2.35		
Toluene*	<0.050	0.050	09/03/2025	ND	1.95	97.3	2.00	2.13		
Ethylbenzene*	<0.050	0.050	09/03/2025	ND	1.90	95.2	2.00	1.80		
Total Xylenes*	<0.150	0.150	09/03/2025	ND	5.61	93.6	6.00	1.75		
Total BTEX	<0.300	0.300	09/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	09/04/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/03/2025	ND	216	108	200	1.55	
DRO >C10-C28*	<10.0	10.0	09/03/2025	ND	207	104	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	09/03/2025	ND					

Surrogate: 1-Chlorooctane 97.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/03/2025
 Reported: 09/04/2025
 Project Name: CULEBRA BLUFF EAST CTB
 Project Number: 2788
 Project Location: EDDY CO NM

Sampling Date: 09/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 5 (0.5') (H255465-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/03/2025	ND	1.92	96.1	2.00	2.35		
Toluene*	<0.050	0.050	09/03/2025	ND	1.95	97.3	2.00	2.13		
Ethylbenzene*	<0.050	0.050	09/03/2025	ND	1.90	95.2	2.00	1.80		
Total Xylenes*	<0.150	0.150	09/03/2025	ND	5.61	93.6	6.00	1.75		
Total BTEx	<0.300	0.300	09/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	09/04/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/03/2025	ND	216	108	200	1.55	
DRO >C10-C28*	<10.0	10.0	09/03/2025	ND	207	104	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	09/03/2025	ND					

Surrogate: 1-Chlorooctane 95.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/03/2025
 Reported: 09/04/2025
 Project Name: CULEBRA BLUFF EAST CTB
 Project Number: 2788
 Project Location: EDDY CO NM

Sampling Date: 09/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 6 (0.5') (H255465-06)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/03/2025	ND	1.92	96.1	2.00	2.35		
Toluene*	<0.050	0.050	09/03/2025	ND	1.95	97.3	2.00	2.13		
Ethylbenzene*	<0.050	0.050	09/03/2025	ND	1.90	95.2	2.00	1.80		
Total Xylenes*	<0.150	0.150	09/03/2025	ND	5.61	93.6	6.00	1.75		
Total BTX	<0.300	0.300	09/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	09/04/2025	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/03/2025	ND	216	108	200	1.55	
DRO >C10-C28*	<10.0	10.0	09/03/2025	ND	207	104	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	09/03/2025	ND					

Surrogate: 1-Chlorooctane 85.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/03/2025
 Reported: 09/04/2025
 Project Name: CULEBRA BLUFF EAST CTB
 Project Number: 2788
 Project Location: EDDY CO NM

Sampling Date: 09/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 7 (0.5') (H255465-07)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/03/2025	ND	1.92	96.1	2.00	2.35		
Toluene*	<0.050	0.050	09/03/2025	ND	1.95	97.3	2.00	2.13		
Ethylbenzene*	<0.050	0.050	09/03/2025	ND	1.90	95.2	2.00	1.80		
Total Xylenes*	<0.150	0.150	09/03/2025	ND	5.61	93.6	6.00	1.75		
Total BTX	<0.300	0.300	09/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	09/04/2025	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/03/2025	ND	216	108	200	1.55	
DRO >C10-C28*	<10.0	10.0	09/03/2025	ND	207	104	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	09/03/2025	ND					

Surrogate: 1-Chlorooctane 95.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/03/2025
 Reported: 09/04/2025
 Project Name: CULEBRA BLUFF EAST CTB
 Project Number: 2788
 Project Location: EDDY CO NM

Sampling Date: 09/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 8 (1.5') (H255465-08)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/03/2025	ND	1.92	96.1	2.00	2.35	
Toluene*	<0.050	0.050	09/03/2025	ND	1.95	97.3	2.00	2.13	
Ethylbenzene*	<0.050	0.050	09/03/2025	ND	1.90	95.2	2.00	1.80	
Total Xylenes*	<0.150	0.150	09/03/2025	ND	5.61	93.6	6.00	1.75	
Total BTEX	<0.300	0.300	09/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	09/04/2025	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/03/2025	ND	216	108	200	1.55	
DRO >C10-C28*	<10.0	10.0	09/03/2025	ND	207	104	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	09/03/2025	ND					

Surrogate: 1-Chlorooctane 97.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 09/03/2025
 Reported: 09/04/2025
 Project Name: CULEBRA BLUFF EAST CTB
 Project Number: 2788
 Project Location: EDDY CO NM

Sampling Date: 09/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 9 (1.5') (H255465-09)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/03/2025	ND	1.92	96.1	2.00	2.35	
Toluene*	<0.050	0.050	09/03/2025	ND	1.95	97.3	2.00	2.13	
Ethylbenzene*	<0.050	0.050	09/03/2025	ND	1.90	95.2	2.00	1.80	
Total Xylenes*	<0.150	0.150	09/03/2025	ND	5.61	93.6	6.00	1.75	
Total BTX	<0.300	0.300	09/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	09/04/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/03/2025	ND	216	108	200	1.55	
DRO >C10-C28*	<10.0	10.0	09/03/2025	ND	207	104	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	09/03/2025	ND					

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 93.5 % 40.6-153

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Analytical Results For:

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

Received: 09/03/2025
 Reported: 09/04/2025
 Project Name: CULEBRA BLUFF EAST CTB
 Project Number: 2788
 Project Location: EDDY CO NM

Sampling Date: 09/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 10 (1.5') (H255465-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/03/2025	ND	1.92	96.1	2.00	2.35		
Toluene*	<0.050	0.050	09/03/2025	ND	1.95	97.3	2.00	2.13		
Ethylbenzene*	<0.050	0.050	09/03/2025	ND	1.90	95.2	2.00	1.80		
Total Xylenes*	<0.150	0.150	09/03/2025	ND	5.61	93.6	6.00	1.75		
Total BTEX	<0.300	0.300	09/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	09/04/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/03/2025	ND	216	108	200	1.55	
DRO >C10-C28*	<10.0	10.0	09/03/2025	ND	207	104	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	09/03/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.6 % 40.6-153

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Analytical Results For:

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

Received: 09/03/2025
 Reported: 09/04/2025
 Project Name: CULEBRA BLUFF EAST CTB
 Project Number: 2788
 Project Location: EDDY CO NM

Sampling Date: 09/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 11 (1.5') (H255465-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/03/2025	ND	1.92	96.1	2.00	2.35		
Toluene*	<0.050	0.050	09/03/2025	ND	1.95	97.3	2.00	2.13		
Ethylbenzene*	<0.050	0.050	09/03/2025	ND	1.90	95.2	2.00	1.80		
Total Xylenes*	<0.150	0.150	09/03/2025	ND	5.61	93.6	6.00	1.75		
Total BTEX	<0.300	0.300	09/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	09/04/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/04/2025	ND	216	108	200	1.55	
DRO >C10-C28*	<10.0	10.0	09/04/2025	ND	207	104	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	09/04/2025	ND					

Surrogate: 1-Chlorooctane 98.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.1 % 40.6-153

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Analytical Results For:

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

Received: 09/03/2025
 Reported: 09/04/2025
 Project Name: CULEBRA BLUFF EAST CTB
 Project Number: 2788
 Project Location: EDDY CO NM

Sampling Date: 09/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 12 (1.5') (H255465-12)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/03/2025	ND	1.92	96.1	2.00	2.35		
Toluene*	<0.050	0.050	09/03/2025	ND	1.95	97.3	2.00	2.13		
Ethylbenzene*	<0.050	0.050	09/03/2025	ND	1.90	95.2	2.00	1.80		
Total Xylenes*	<0.150	0.150	09/03/2025	ND	5.61	93.6	6.00	1.75		
Total BTX	<0.300	0.300	09/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	09/04/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/04/2025	ND	216	108	200	1.55	
DRO >C10-C28*	<10.0	10.0	09/04/2025	ND	207	104	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	09/04/2025	ND					

Surrogate: 1-Chlorooctane 98.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.1 % 40.6-153

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Analytical Results For:

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

Received: 09/03/2025
 Reported: 09/04/2025
 Project Name: CULEBRA BLUFF EAST CTB
 Project Number: 2788
 Project Location: EDDY CO NM

Sampling Date: 09/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 13 (1.5') (H255465-13)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/03/2025	ND	1.92	96.1	2.00	2.35		
Toluene*	<0.050	0.050	09/03/2025	ND	1.95	97.3	2.00	2.13		
Ethylbenzene*	<0.050	0.050	09/03/2025	ND	1.90	95.2	2.00	1.80		
Total Xylenes*	<0.150	0.150	09/03/2025	ND	5.61	93.6	6.00	1.75		
Total BTEX	<0.300	0.300	09/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	09/04/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/04/2025	ND	216	108	200	1.55	
DRO >C10-C28*	<10.0	10.0	09/04/2025	ND	207	104	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	09/04/2025	ND					

Surrogate: 1-Chlorooctane 96.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.8 % 40.6-153

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Analytical Results For:

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

Received: 09/03/2025
 Reported: 09/04/2025
 Project Name: CULEBRA BLUFF EAST CTB
 Project Number: 2788
 Project Location: EDDY CO NM

Sampling Date: 09/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 14 (2.5') (H255465-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/03/2025	ND	1.92	96.1	2.00	2.35		
Toluene*	<0.050	0.050	09/03/2025	ND	1.95	97.3	2.00	2.13		
Ethylbenzene*	<0.050	0.050	09/03/2025	ND	1.90	95.2	2.00	1.80		
Total Xylenes*	<0.150	0.150	09/03/2025	ND	5.61	93.6	6.00	1.75		
Total BTEx	<0.300	0.300	09/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/04/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/03/2025	ND	204	102	200	0.544	
DRO >C10-C28*	<10.0	10.0	09/03/2025	ND	204	102	200	0.496	
EXT DRO >C28-C36	<10.0	10.0	09/03/2025	ND					

Surrogate: 1-Chlorooctane 110 % 44.4-145

Surrogate: 1-Chlorooctadecane 106 % 40.6-153

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Analytical Results For:

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

Received: 09/03/2025
 Reported: 09/04/2025
 Project Name: CULEBRA BLUFF EAST CTB
 Project Number: 2788
 Project Location: EDDY CO NM

Sampling Date: 09/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 1 (1.5') (H255465-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/03/2025	ND	1.92	96.1	2.00	2.35		
Toluene*	<0.050	0.050	09/03/2025	ND	1.95	97.3	2.00	2.13		
Ethylbenzene*	<0.050	0.050	09/03/2025	ND	1.90	95.2	2.00	1.80		
Total Xylenes*	<0.150	0.150	09/03/2025	ND	5.61	93.6	6.00	1.75		
Total BTEx	<0.300	0.300	09/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	09/04/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/03/2025	ND	204	102	200	0.544	
DRO >C10-C28*	<10.0	10.0	09/03/2025	ND	204	102	200	0.496	
EXT DRO >C28-C36	<10.0	10.0	09/03/2025	ND					

Surrogate: 1-Chlorooctane 97.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.9 % 40.6-153

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Analytical Results For:

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

Received: 09/03/2025
 Reported: 09/04/2025
 Project Name: CULEBRA BLUFF EAST CTB
 Project Number: 2788
 Project Location: EDDY CO NM

Sampling Date: 09/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 2 (1.5') (H255465-16)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/03/2025	ND	1.92	96.1	2.00	2.35		
Toluene*	<0.050	0.050	09/03/2025	ND	1.95	97.3	2.00	2.13		
Ethylbenzene*	<0.050	0.050	09/03/2025	ND	1.90	95.2	2.00	1.80		
Total Xylenes*	<0.150	0.150	09/03/2025	ND	5.61	93.6	6.00	1.75		
Total BTEx	<0.300	0.300	09/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	09/04/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/03/2025	ND	204	102	200	0.544	
DRO >C10-C28*	<10.0	10.0	09/03/2025	ND	204	102	200	0.496	
EXT DRO >C28-C36	<10.0	10.0	09/03/2025	ND					

Surrogate: 1-Chlorooctane 108 % 44.4-145

Surrogate: 1-Chlorooctadecane 103 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 09/03/2025
 Reported: 09/04/2025
 Project Name: CULEBRA BLUFF EAST CTB
 Project Number: 2788
 Project Location: EDDY CO NM

Sampling Date: 09/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 3 (0.5'-1.5') (H255465-17)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/03/2025	ND	1.92	96.1	2.00	2.35		
Toluene*	<0.050	0.050	09/03/2025	ND	1.95	97.3	2.00	2.13		
Ethylbenzene*	<0.050	0.050	09/03/2025	ND	1.90	95.2	2.00	1.80		
Total Xylenes*	<0.150	0.150	09/03/2025	ND	5.61	93.6	6.00	1.75		
Total BTEX	<0.300	0.300	09/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	09/04/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/03/2025	ND	204	102	200	0.544	
DRO >C10-C28*	<10.0	10.0	09/03/2025	ND	204	102	200	0.496	
EXT DRO >C28-C36	<10.0	10.0	09/03/2025	ND					

Surrogate: 1-Chlorooctane 113 % 44.4-145

Surrogate: 1-Chlorooctadecane 108 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/03/2025
 Reported: 09/04/2025
 Project Name: CULEBRA BLUFF EAST CTB
 Project Number: 2788
 Project Location: EDDY CO NM

Sampling Date: 09/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 4 (1.5') (H255465-18)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/03/2025	ND	1.92	96.1	2.00	2.35	
Toluene*	<0.050	0.050	09/03/2025	ND	1.95	97.3	2.00	2.13	
Ethylbenzene*	<0.050	0.050	09/03/2025	ND	1.90	95.2	2.00	1.80	
Total Xylenes*	<0.150	0.150	09/03/2025	ND	5.61	93.6	6.00	1.75	
Total BTEx	<0.300	0.300	09/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	09/04/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/03/2025	ND	204	102	200	0.544	
DRO >C10-C28*	<10.0	10.0	09/03/2025	ND	204	102	200	0.496	
EXT DRO >C28-C36	<10.0	10.0	09/03/2025	ND					

Surrogate: 1-Chlorooctane 115 % 44.4-145

Surrogate: 1-Chlorooctadecane 110 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/03/2025
 Reported: 09/04/2025
 Project Name: CULEBRA BLUFF EAST CTB
 Project Number: 2788
 Project Location: EDDY CO NM

Sampling Date: 09/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 5 (1.5') (H255465-19)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/03/2025	ND	1.92	96.1	2.00	2.35		
Toluene*	<0.050	0.050	09/03/2025	ND	1.95	97.3	2.00	2.13		
Ethylbenzene*	<0.050	0.050	09/03/2025	ND	1.90	95.2	2.00	1.80		
Total Xylenes*	<0.150	0.150	09/03/2025	ND	5.61	93.6	6.00	1.75		
Total BTEx	<0.300	0.300	09/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	09/04/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/03/2025	ND	204	102	200	0.544	
DRO >C10-C28*	<10.0	10.0	09/03/2025	ND	204	102	200	0.496	
EXT DRO >C28-C36	<10.0	10.0	09/03/2025	ND					

Surrogate: 1-Chlorooctane 96.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 93.2 % 40.6-153

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Analytical Results For:

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

Received: 09/03/2025
 Reported: 09/04/2025
 Project Name: CULEBRA BLUFF EAST CTB
 Project Number: 2788
 Project Location: EDDY CO NM

Sampling Date: 09/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 6 (1.5') (H255465-20)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/03/2025	ND	1.92	96.1	2.00	2.35		
Toluene*	<0.050	0.050	09/03/2025	ND	1.95	97.3	2.00	2.13		
Ethylbenzene*	<0.050	0.050	09/03/2025	ND	1.90	95.2	2.00	1.80		
Total Xylenes*	<0.150	0.150	09/03/2025	ND	5.61	93.6	6.00	1.75		
Total BTX	<0.300	0.300	09/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	09/04/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/03/2025	ND	204	102	200	0.544	
DRO >C10-C28*	<10.0	10.0	09/03/2025	ND	204	102	200	0.496	
EXT DRO >C28-C36	<10.0	10.0	09/03/2025	ND					

Surrogate: 1-Chlorooctane 94.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.7 % 40.6-153

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Analytical Results For:

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

Received: 09/03/2025
 Reported: 09/04/2025
 Project Name: CULEBRA BLUFF EAST CTB
 Project Number: 2788
 Project Location: EDDY CO NM

Sampling Date: 09/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 7 (0.5'-1.5') (H255465-21)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/03/2025	ND	1.91	95.6	2.00	2.99		
Toluene*	<0.050	0.050	09/03/2025	ND	2.01	101	2.00	1.18		
Ethylbenzene*	<0.050	0.050	09/03/2025	ND	2.04	102	2.00	0.890		
Total Xylenes*	<0.150	0.150	09/03/2025	ND	6.24	104	6.00	0.482		
Total BTEX	<0.300	0.300	09/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	09/04/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/03/2025	ND	204	102	200	0.544	
DRO >C10-C28*	<10.0	10.0	09/03/2025	ND	204	102	200	0.496	
EXT DRO >C28-C36	<10.0	10.0	09/03/2025	ND					

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.5 % 40.6-153

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Analytical Results For:

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

Received: 09/03/2025
 Reported: 09/04/2025
 Project Name: CULEBRA BLUFF EAST CTB
 Project Number: 2788
 Project Location: EDDY CO NM

Sampling Date: 09/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 8 (1.5') (H255465-22)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/03/2025	ND	1.91	95.6	2.00	2.99		
Toluene*	<0.050	0.050	09/03/2025	ND	2.01	101	2.00	1.18		
Ethylbenzene*	<0.050	0.050	09/03/2025	ND	2.04	102	2.00	0.890		
Total Xylenes*	<0.150	0.150	09/03/2025	ND	6.24	104	6.00	0.482		
Total BTEx	<0.300	0.300	09/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	09/04/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/03/2025	ND	204	102	200	0.544	
DRO >C10-C28*	<10.0	10.0	09/03/2025	ND	204	102	200	0.496	
EXT DRO >C28-C36	<10.0	10.0	09/03/2025	ND					

Surrogate: 1-Chlorooctane 105 % 44.4-145

Surrogate: 1-Chlorooctadecane 101 % 40.6-153

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Analytical Results For:

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

Received: 09/03/2025
 Reported: 09/04/2025
 Project Name: CULEBRA BLUFF EAST CTB
 Project Number: 2788
 Project Location: EDDY CO NM

Sampling Date: 09/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 9 (1.5') (H255465-23)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/03/2025	ND	1.91	95.6	2.00	2.99		
Toluene*	<0.050	0.050	09/03/2025	ND	2.01	101	2.00	1.18		
Ethylbenzene*	<0.050	0.050	09/03/2025	ND	2.04	102	2.00	0.890		
Total Xylenes*	<0.150	0.150	09/03/2025	ND	6.24	104	6.00	0.482		
Total BTEX	<0.300	0.300	09/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	09/04/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/03/2025	ND	204	102	200	0.544	
DRO >C10-C28*	<10.0	10.0	09/03/2025	ND	204	102	200	0.496	
EXT DRO >C28-C36	<10.0	10.0	09/03/2025	ND					

Surrogate: 1-Chlorooctane 99.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 93.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/03/2025
 Reported: 09/04/2025
 Project Name: CULEBRA BLUFF EAST CTB
 Project Number: 2788
 Project Location: EDDY CO NM

Sampling Date: 09/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 10 (1.5') (H255465-24)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/03/2025	ND	1.91	95.6	2.00	2.99		
Toluene*	<0.050	0.050	09/03/2025	ND	2.01	101	2.00	1.18		
Ethylbenzene*	<0.050	0.050	09/03/2025	ND	2.04	102	2.00	0.890		
Total Xylenes*	<0.150	0.150	09/03/2025	ND	6.24	104	6.00	0.482		
Total BTEx	<0.300	0.300	09/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	09/04/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/03/2025	ND	204	102	200	0.544	
DRO >C10-C28*	<10.0	10.0	09/03/2025	ND	204	102	200	0.496	
EXT DRO >C28-C36	<10.0	10.0	09/03/2025	ND					

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/03/2025
 Reported: 09/04/2025
 Project Name: CULEBRA BLUFF EAST CTB
 Project Number: 2788
 Project Location: EDDY CO NM

Sampling Date: 09/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 11 (2.5') (H255465-25)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/03/2025	ND	1.91	95.6	2.00	2.99	
Toluene*	<0.050	0.050	09/03/2025	ND	2.01	101	2.00	1.18	
Ethylbenzene*	<0.050	0.050	09/03/2025	ND	2.04	102	2.00	0.890	
Total Xylenes*	<0.150	0.150	09/03/2025	ND	6.24	104	6.00	0.482	
Total BTEX	<0.300	0.300	09/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	09/04/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/03/2025	ND	204	102	200	0.544	
DRO >C10-C28*	<10.0	10.0	09/03/2025	ND	204	102	200	0.496	
EXT DRO >C28-C36	<10.0	10.0	09/03/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 09/03/2025
 Reported: 09/04/2025
 Project Name: CULEBRA BLUFF EAST CTB
 Project Number: 2788
 Project Location: EDDY CO NM

Sampling Date: 09/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 12 (2.5') (H255465-26)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/03/2025	ND	1.91	95.6	2.00	2.99		
Toluene*	<0.050	0.050	09/03/2025	ND	2.01	101	2.00	1.18		
Ethylbenzene*	<0.050	0.050	09/03/2025	ND	2.04	102	2.00	0.890		
Total Xylenes*	<0.150	0.150	09/03/2025	ND	6.24	104	6.00	0.482		
Total BTEX	<0.300	0.300	09/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	09/04/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/03/2025	ND	204	102	200	0.544	
DRO >C10-C28*	<10.0	10.0	09/03/2025	ND	204	102	200	0.496	
EXT DRO >C28-C36	<10.0	10.0	09/03/2025	ND					

Surrogate: 1-Chlorooctane 105 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 09/03/2025
 Reported: 09/04/2025
 Project Name: CULEBRA BLUFF EAST CTB
 Project Number: 2788
 Project Location: EDDY CO NM

Sampling Date: 09/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 13 (1.5'-2.5') (H255465-27)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/03/2025	ND	1.91	95.6	2.00	2.99		
Toluene*	<0.050	0.050	09/03/2025	ND	2.01	101	2.00	1.18		
Ethylbenzene*	<0.050	0.050	09/03/2025	ND	2.04	102	2.00	0.890		
Total Xylenes*	<0.150	0.150	09/03/2025	ND	6.24	104	6.00	0.482		
Total BTEX	<0.300	0.300	09/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	09/04/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/03/2025	ND	204	102	200	0.544	
DRO >C10-C28*	<10.0	10.0	09/03/2025	ND	204	102	200	0.496	
EXT DRO >C28-C36	<10.0	10.0	09/03/2025	ND					

Surrogate: 1-Chlorooctane 99.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 09/03/2025
 Reported: 09/04/2025
 Project Name: CULEBRA BLUFF EAST CTB
 Project Number: 2788
 Project Location: EDDY CO NM

Sampling Date: 09/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 14 (2.5') (H255465-28)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/03/2025	ND	1.91	95.6	2.00	2.99		
Toluene*	<0.050	0.050	09/03/2025	ND	2.01	101	2.00	1.18		
Ethylbenzene*	<0.050	0.050	09/03/2025	ND	2.04	102	2.00	0.890		
Total Xylenes*	<0.150	0.150	09/03/2025	ND	6.24	104	6.00	0.482		
Total BTEX	<0.300	0.300	09/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	09/04/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/03/2025	ND	204	102	200	0.544	
DRO >C10-C28*	<10.0	10.0	09/03/2025	ND	204	102	200	0.496	
EXT DRO >C28-C36	<10.0	10.0	09/03/2025	ND					

Surrogate: 1-Chlorooctane 109 % 44.4-145

Surrogate: 1-Chlorooctadecane 104 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: 1855465

Page 1 of 3

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 West Wall Ste. 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-8988	Email:	ThielkeA@Carmonaresources.com

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

Project Name:	Culebra Bluff East CTB	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code		ANALYSIS REQUEST												Preservative Codes			
Project Number:	2788																	None: NO	DI Water: H ₂ O		
Project Location:	Eddy Co. NM	Due Date:	24 Hr.															Cool: Cool	MeOH: Me		
Sampler's Name:	KR	TAT starts the day received by the lab, if received by 4:30pm																HCL: HC	HNO ₃ : HN		
PO #:																		H ₂ SO ₄ : H ₂	NaOH: Na		
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>													H ₃ PO ₄ : HP			
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	#140															NaHSO ₄ : NABIS			
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:	+0.3°C															Na ₂ S ₂ O ₃ : NaSO ₃			
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading:	4.1°C															Zn Acetate+NaOH: Zn			
Total Containers:		Corrected Temperature:	4.4°C															NaOH+Ascorbic Acid: SAPC			
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
CS-1 (1.5')		9/2/2025		X		C	1	X	X	X											
CS-2 (1.5')		9/2/2025		X		C	1	X	X	X											
CS-3 (1.5')		9/2/2025		X		C	1	X	X	X											
CS-4 (1.5')		9/2/2025		X		C	1	X	X	X											
CS-5 (0.5')		9/2/2025		X		C	1	X	X	X											
CS-6 (0.5')		9/2/2025		X		C	1	X	X	X											
CS-7 (0.5')		9/2/2025		X		C	1	X	X	X											
CS-8 (1.5')		9/2/2025		X		C	1	X	X	X											
CS-9 (1.5')		9/2/2025		X		C	1	X	X	X											
CS-10 (1.5')		9/2/2025		X		C	1	X	X	X											

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Yerin Reyes	Sharon de la Cruz	9.3.25 1337			

Chain of Custody

Work Order No: 4255465

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 West Wall Ste. 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-8988	Email:	ThielkeA@Carmonaresources.com

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

Project Name:		Culebra Bluff East CTB		Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes					
Project Number:	2788	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush																None: NO	DI Water: H ₂ O				
Project Location:	Eddy Co. NM	Due Date:	24 Hr.															Cool: Cool	MeOH: Me					
Sampler's Name:	KR	TAT starts the day received by the lab, if received by 4:30pm														HCL: HC	HNO ₃ : HN							
PO #:															H ₂ SO ₄ : H ₂	NaOH: Na								
SAMPLE RECEIPT				Temp Blank:	Yes	No	Yes	No	Parameters		BTEX 8021B												HOLD	
Received Inact:	Yes	No	Thermometer ID:	#148													H ₃ PO ₄ : HP							
Cooler Custody Seals:	Yes	No	Correction Factor:	#0.33													NaHSO ₄ : NABIS							
Sample Custody Seals:	Yes	No	Temperature Reading:	4.1													Na ₂ S ₂ O ₃ : NaSO ₃							
Total Containers:	Yes	No	Corrected Temperature:	4.4													Zn Acetate+NaOH: Zn							
																NaOH+Ascorbic Acid: SAPC								
Sample Identification				Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments		
CS-11 (1.5')				9/2/2025		X		C	1	X	X	X												
CS-12 (1.5')				9/2/2025		X		C	1	X	X	X												
CS-13 (1.5')				9/2/2025		X		C	1	X	X	X												
CS-14 (2.5')				9/2/2025		X		C	1	X	X	X												
SW-1 (1.5')				9/2/2025		X		C	1	X	X	X												
SW-2 (1.5')				9/2/2025		X		C	1	X	X	X												
SW-3 (0.5'-1.5')				9/2/2025		X		C	1	X	X	X												
SW-4 (1.5')				9/2/2025		X		C	1	X	X	X												
SW-5 (1.5')				9/2/2025		X		C	1	X	X	X												
SW-6 (1.5')				9/2/2025		X		C	1	X	X	X												

Please send results to cmohring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Kevin Lopez	Monica Williams	9.3.25/11337			

Chain of Custody

Work Order No: 4855465

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 West Wall Ste. 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-8988	Email:	ThielkeA@Carmonaresources.com

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

Project Name:	Culebra Bluff East CTB	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code		ANALYSIS REQUEST												Preservative Codes								
Project Number:	2788																	None: NO	DI Water: H ₂ O							
Project Location:	Eddy Co. NM	Due Date:	24 Hr.															Cool: Cool	MeOH: Me							
Sampler's Name:	KR	TAT starts the day received by the lab, if received by 4:30pm																HCL: HC	HNO ₃ : HN							
PO #:																		H ₂ SO ₄ : H ₂	NaOH: Na							
SAMPLE RECEIPT					Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>													H ₃ PO ₄ : HP					
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	#140															NaHSO ₄ : NABIS								
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	+0.3°C															Na ₂ S ₂ O ₃ : NaSO ₃								
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	4.1°C															Zn Acetate+NaOH: Zn								
Total Containers:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Corrected Temperature:	4.4°C															NaOH+Ascorbic Acid: SAPC								
Sample Identification					Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments			
SW-7 (0.5'-1.5')					9/2/2025		X		C	1	X	X	X													
SW-8 (1.5')					9/2/2025		X		C	1	X	X	X													
SW-9 (1.5')					9/2/2025		X		C	1	X	X	X													
SW-10 (1.5')					9/2/2025		X		C	1	X	X	X													
SW-11 (2.5')					9/2/2025		X		C	1	X	X	X													
SW-12 (2.5')					9/2/2025		X		C	1	X	X	X													
SW-13 (1.5'-2.5')					9/2/2025		X		C	1	X	X	X													
SW-14 (2.5')					9/2/2025		X		C	1	X	X	X													

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1. <i>Carmona</i>	<i>Ashton Thielke</i>	9:33:55 1337			
2. <i>Carmona</i>					
3. <i>Carmona</i>					
4. <i>Carmona</i>					
5. <i>Carmona</i>					



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

September 09, 2025

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: CULEBRA BLUFF EAST CTB

Enclosed are the results of analyses for samples received by the laboratory on 09/08/25 16:32.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 09/08/2025
 Reported: 09/09/2025
 Project Name: CULEBRA BLUFF EAST CTB
 Project Number: 2788
 Project Location: EDDY CO NM

Sampling Date: 09/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 1 (1.75') (H255597-01)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2025	ND	1.86	93.1	2.00	1.08	
Toluene*	<0.050	0.050	09/08/2025	ND	1.90	95.0	2.00	0.623	
Ethylbenzene*	<0.050	0.050	09/08/2025	ND	1.88	93.9	2.00	0.621	
Total Xylenes*	<0.150	0.150	09/08/2025	ND	5.53	92.2	6.00	0.267	
Total BTEX	<0.300	0.300	09/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	09/09/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2025	ND	207	103	200	1.08	
DRO >C10-C28*	<10.0	10.0	09/09/2025	ND	194	97.1	200	1.03	
EXT DRO >C28-C36	<10.0	10.0	09/09/2025	ND					

Surrogate: 1-Chlorooctane 79.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.2 % 40.6-153

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in cursive script, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No.:

4/25597

Page 1 of 1

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 West Wall Ste. 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-8988	Email:	ThielkeA@Carmonaresources.com

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

[illegible]



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

September 09, 2025

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: CULEBRA BLUFF EAST CTB

Enclosed are the results of analyses for samples received by the laboratory on 09/08/25 16:32.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 09/08/2025
 Reported: 09/09/2025
 Project Name: CULEBRA BLUFF EAST CTB
 Project Number: 2788
 Project Location: EDDY CO NM

Sampling Date: 09/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BACKFILL SAMPLE (H255599-01)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2025	ND	1.86	93.1	2.00	1.08	
Toluene*	<0.050	0.050	09/09/2025	ND	1.90	95.0	2.00	0.623	
Ethylbenzene*	<0.050	0.050	09/09/2025	ND	1.88	93.9	2.00	0.621	
Total Xylenes*	<0.150	0.150	09/09/2025	ND	5.53	92.2	6.00	0.267	
Total BTEX	<0.300	0.300	09/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	09/09/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2025	ND	207	103	200	1.08	
DRO >C10-C28*	<10.0	10.0	09/09/2025	ND	194	97.1	200	1.03	
EXT DRO >C28-C36	<10.0	10.0	09/09/2025	ND					

Surrogate: 1-Chlorooctane 66.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 62.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager

Work Order No: HA55599

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

QUESTIONS

Action 505205

QUESTIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 505205
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2518842587
Incident Name	NAPP2518842587 CULEBRA BLUFF EAST CTB @ FAPP2132748883
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2132748883] Culebra Bluff East CTB

Location of Release Source	
Please answer all the questions in this group.	
Site Name	CULEBRA BLUFF EAST CTB
Date Release Discovered	07/06/2025
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: Equipment Failure Valve Produced Water Released: 18 BBL Recovered: 10 BBL Lost: 8 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)	Not answered.

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QUESTIONS, Page 2

Action 505205

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 505205
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	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	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>
<i>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.</i>	

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	<i>Not answered.</i>

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: Kennedy Lincoln Title: Environmental Specialist Email: kennedy.lincoln@chevron.com Date: 09/11/2025
----------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------

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QUESTIONS, Page 3

Action 505205

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 505205
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	OCD Imaging Records Lookup
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (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 ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	7170
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	299
GRO+DRO (EPA SW-846 Method 8015M)	299
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	08/26/2025
On what date will (or did) the final sampling or liner inspection occur	09/02/2025
On what date will (or was) the remediation complete(d)	09/08/2025
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	2794
What is the estimated volume (in cubic yards) that will be remediated	174
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 505205

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 505205
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fEEM0112342028 LEA LAND LANDFILL
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Kennedy Lincoln Title: Environmental Specialist Email: kennedy.lincoln@chevron.com Date: 09/11/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 505205

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 505205
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 505205

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 505205
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	502969
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/08/2025
What was the (estimated) number of samples that were to be gathered	1
What was the sampling surface area in square feet	3200

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	2794
What was the total volume (cubic yards) remediated	174
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	Area was excavated and remediated based on initial site assessment results. Once composite confirmation sidewall and floor samples were received, the area was backfilled with clean material to surface grade.
<i>The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Kennedy Lincoln Title: Environmental Specialist Email: kennedy.lincoln@chevron.com Date: 09/11/2025

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QUESTIONS, Page 7

Action 505205

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 505205
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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

CONDITIONS

Action 505205

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 505205
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Remediation closure is approved.	9/11/2025
michael.buchanan	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. The OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	9/11/2025
michael.buchanan	A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	9/11/2025
michael.buchanan	All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved.	9/11/2025
michael.buchanan	A revegetation report will not be accepted until revegetation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	9/11/2025
michael.buchanan	Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used if the requirements of the surface owner provide equal or better protection of freshwater, human health, and the environment. A copy of the approval of the reclamation and revegetation report from the surface owner and a copy of the approved reclamation and revegetation report will need to be submitted to the OCD via the Permitting website.	9/11/2025