

CARMONA RESOURCES



SITE INFORMATION

Closure Report
South Culebra Bluff Unit #006 (07.15.2005)
Incident ID: NMLB0519955590
Eddy County, New Mexico
Unit E Sec 24 T23S R28E
32.2927513°, -104.0472183°

Produced Water and Crude Oil Release
Point of Release: Water Dump Valve on Heater Treater Failed
Release Date: 07.15.2005
Volume Released: 70 Barrels of Produced Water and Crude Oil
Volume Recovered: 50 Barrels of Produced Water and Crude Oil

CARMONA RESOURCES



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

Prepared by:
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TABLE OF CONTENTS

1.0 SITE INFORMATION AND BACKGROUND

2.0 SITE CHARACTERIZATION AND GROUNDWATER

3.0 NMAC REGULATORY CRITERIA

4.0 SITE ASSESSMENT ACTIVITIES

5.0 REMEDIATION ACTIVITIES

6.0 RECLAMATION ACTIVITIES

7.0 CONCLUSION

FIGURES

FIGURE 1	OVERVIEW	FIGURE 2	TOPOGRAPHIC
FIGURE 3	SAMPLE LOCATION	FIGURE 4	EXCAVATION DEPTH
FIGURE 5	REVEGETATION		

APPENDICES

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



June 25, 2025

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

Re: Closure Report
South Culebra Bluff Unit #006 (07.15.2005)
Incident ID: NMLB0519955590
Chevron U.S.A., Inc.
Site Location: Unit E, S24, T 23S, R28E
(Lat 32.2927513°, Long -104.0472183°)
Eddy County, New Mexico

Mr. Bratcher:

On behalf of Chevron U.S.A., Inc. (Chevron), Carmona Resources, LLC has prepared this letter to document site assessment, remediation, and reclamation activities for the South Culebra Bluff Unit #006. The site is located at 32.2927513°, -104.0472183° within Unit E, S24, T23S, R28E, 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 15, 2005, due to a water dump valve failing on the heater treater dumping water into the oil tank. The incident released approximately seventy (70) barrels of produced water and crude oil with fifty (50) barrels of produced water and crude oil recovered. The impacted area occurred inside the fenced berm 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 four known water sources within a 0.5 mile radius of the location. The nearest well is located approximately 0.03 miles South of the site in S24, T23S, R28E and was drilled in 2021. The well has a reported depth to groundwater of 36 feet below ground surface (bgs). A copy of the associated Summary report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

Per the NMOCD regulatory criteria established in 19.15.29.12 NMAC, the following criteria 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 April 29, 2025, Carmona Resources personnel performed site assessment activities to evaluate soil impacts stemming from the release. A total of four (4) soil samples (S-1 through S-4) and six (6) horizontal samples (H-1 through H-6) were installed to total depths ranging from surface to 4.5' 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 the areas of S-1 and S-3 for Benzene, total BTEX, TPH, and Chloride concentrations, with the exception of the S-2 and S-4 areas due to dense geological formations. The areas of S-2 and S-4 were further delineated via composite floor samples during remediation activities. Refer to Table 1.

Horizontal Delineation

Horizontal delineation was achieved in the areas of H-1, H-4, and H-6 for Benzene, total BTEX, TPH, and Chloride concentrations. The areas of H-2, H-3, and H-5 showed elevated Chloride concentrations and were further delineated via composite sidewall samples during remediation activities. Refer to Table 1.

5.0 Remediation Activities

Between May 19, 2025, and May 21, 2025, Carmona Resources personnel were onsite to supervise the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOC division office was notified via NMOC portal on May 14, 2025, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The areas of S-2 and H-2 were excavated to a depth of 6-6.25 ft bgs with an estimated square footage of 1,482. The area of S-3 was excavated to a depth of 2 ft bgs with an estimated square footage of 1,581. The areas of S-4, H-3, and H-5 were excavated to a depth of 6-6.25 ft bgs with an estimated square footage of 2,176. A total of twenty-seven (27) confirmation floor samples were collected (CS-1 through CS-27), and sixteen (16) sidewall samples (SW-1 through SW-16) 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 300.0 and 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 May 30, 2025, before being utilized. The backfill material was sourced from the local landowner located at 32.323305, -104.062584. Refer to Table 2. Approximately 5,239 square feet of contamination was remediated, resulting in 1,108 cubic yards of material being excavated and transported offsite for proper disposal.



6.0 Reclamation Activities

On June 20, 2025, the backfilled area and reclaimed pad were seeded via seed drill with the appropriate pounds of pure live seed per acre. The seed mixture used was BLM #2 Sandy Mixture. The reclaimed and reseeded area is approximately 100,000 square feet. See Figure 5 for the reclamation area.

7.0 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 432-813-1992.

Sincerely,
Carmona Resources, LLC

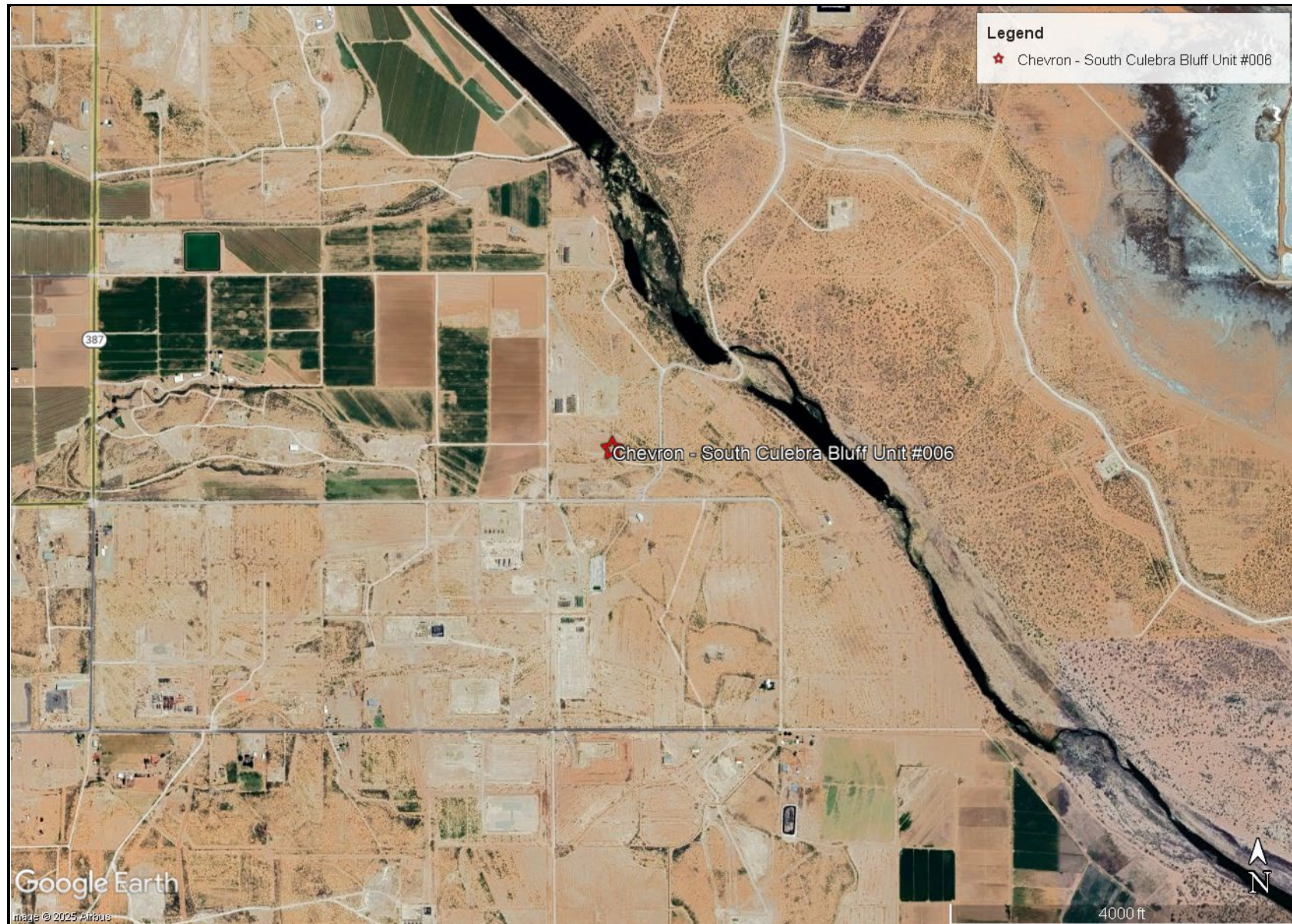
Ashton Thielke
Environmental Manager

Gilbert Priego
Project Manager

FIGURES

CARMONA RESOURCES



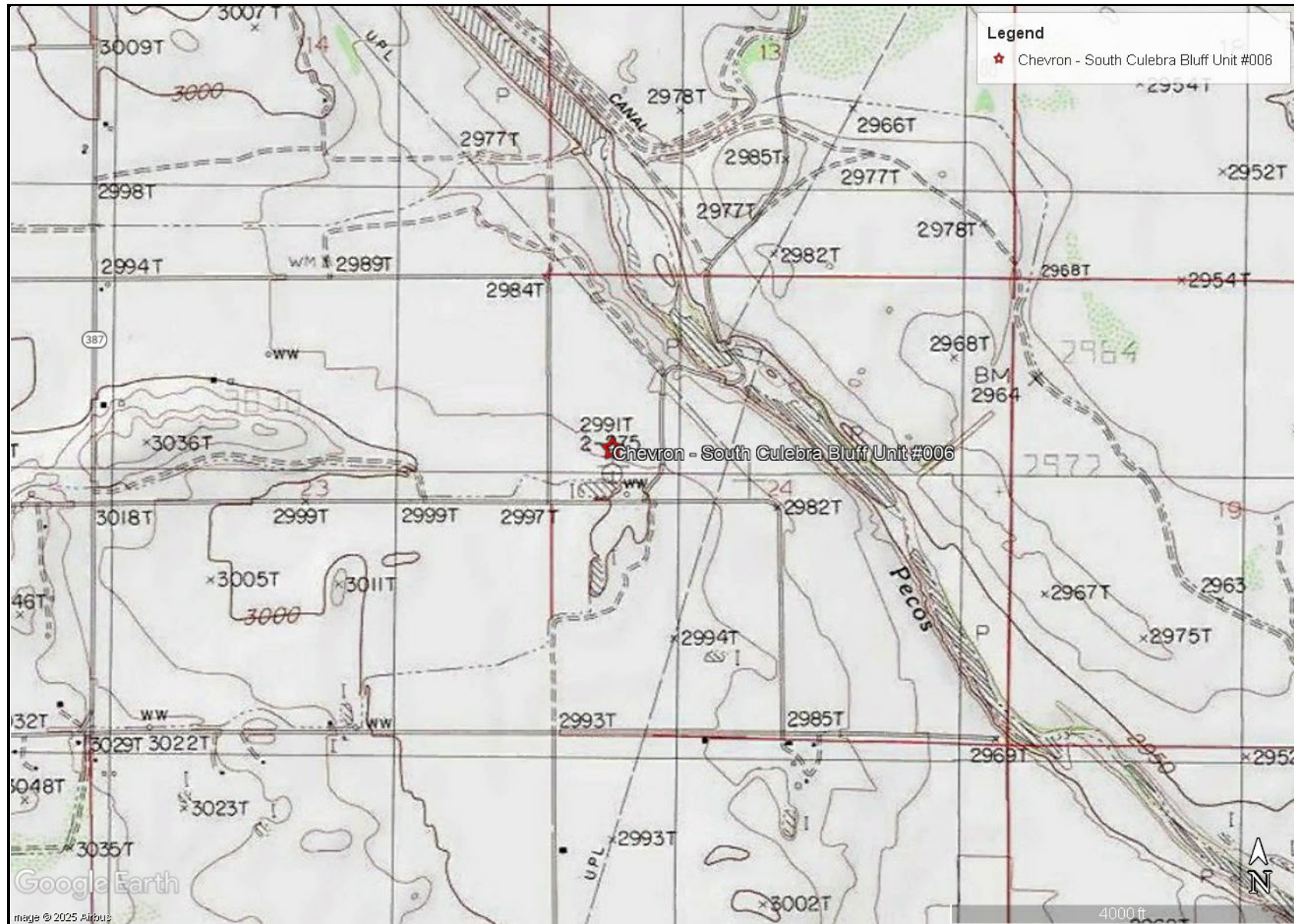


OVERVIEW MAP
CHEVRON U.S.A., INC.
SOUTH CULEBRA BLUFF UNIT #006 (07.15.2005)
EDDY COUNTY, NEW MEXICO
32.2927513°, -104.0472183°

CARMONA RESOURCES



FIGURE 1

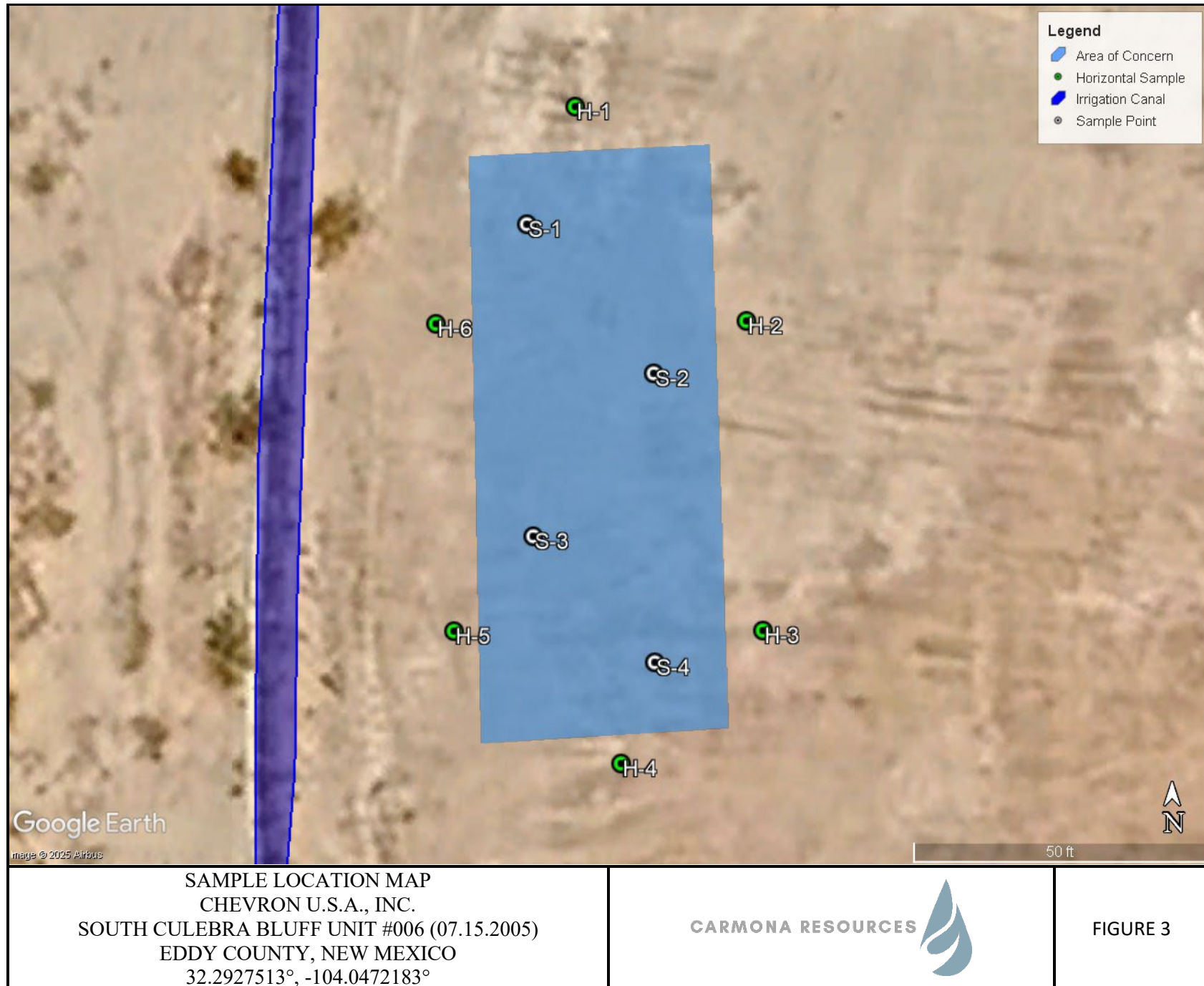


TOPOGRAPHIC MAP
 CHEVRON U.S.A., INC.
 SOUTH CULEBRA BLUFF UNIT #006 (07.15.2005)
 EDDY COUNTY, NEW MEXICO
 32.2927513°, -104.0472183°

CARMONA RESOURCES



FIGURE 2

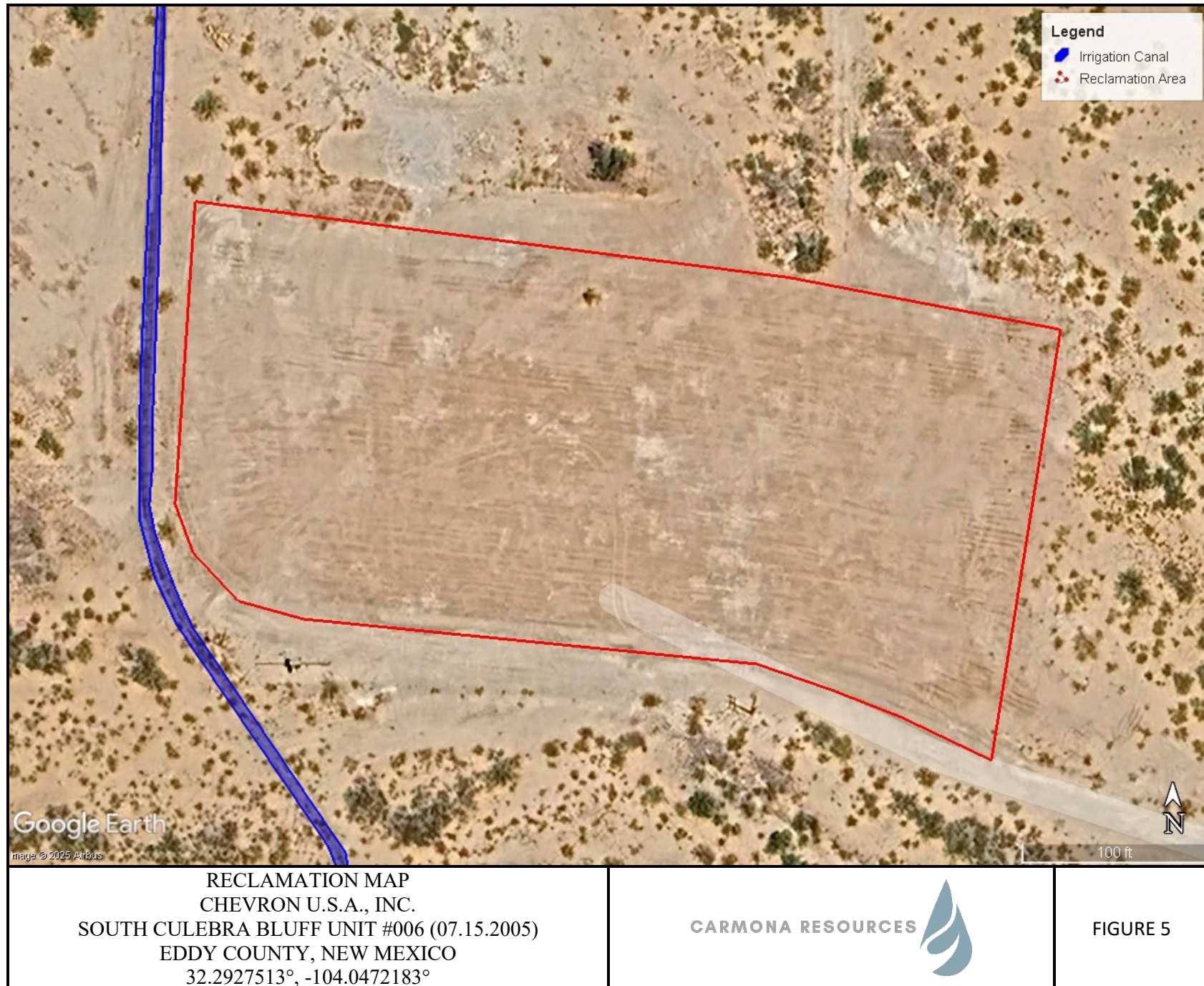




CARMONA RESOURCES



FIGURE 4



APPENDIX A

CARMONA RESOURCES



Table 1
Chevron U.S.A., Inc.
South Culebra Bluff Unit #006
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						
S-1	4/29/2025	0-1.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	597
	"	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	569
	"	2.0'	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	255
	"	3.0'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	544
	"	4.0'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	242
	"	4.5'	<50.1	<50.1	<50.1	<50.1	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	185
S-2	4/29/2025	0-1.0'	<50.5	<50.5	<50.5	<50.5	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	454
	"	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	497
	"	2.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	197
	"	3.0'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	180
	"	4.0'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	816
	"	4.5'	<50.3	<50.3	<50.3	<50.3	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	895
S-3	4/29/2025	0-1.0'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	394
	"	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,430
	"	2.0'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	210
	"	3.0'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	182
	"	4.0'	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	229
	"	4.5'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	203
S-4	4/29/2025	0-1.0'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	446
	"	1.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	785
	"	2.0'	<49.7	<49.7	<49.7	<49.7	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	1,370
	"	3.0'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	275
	"	4.0'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	883
	"	4.5'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,410
Regulatory Criteria^A						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(S) - Sample Point


 Removed

Table 1
Chevron U.S.A., Inc.
South Culebra Bluff Unit #006
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	4/29/2025	0-1.0'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	292
H-2	4/29/2025	0-1.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	0.00360	0.00225	<0.00399	0.00797	1,230
H-3	4/29/2025	0-1.0'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	1,100
H-4	4/29/2025	0-1.0'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	0.00218	<0.00402	0.00514	543
H-5	4/29/2025	0-1.0'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	686
H-6	4/29/2025	0-1.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	0.00205	<0.00200	<0.00400	<0.00400	463
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

Removed

Table 2
Chevron U.S.A., Inc.
South Culebra Bluff Unit #006
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	5/20/2025	6.0'	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	145
CS-2	5/20/2025	6.0'	<49.6	<49.6	<49.6	<49.6	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	151
CS-3	5/20/2025	6.0'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	809
	5/22/2025	6.25	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	120
CS-4	5/20/2025	6.0'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	268
CS-5	5/20/2025	6.0'	<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	262
CS-6	5/20/2025	6.0'	<50.2	<50.2	<50.2	<50.2	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	231
CS-7	5/20/2025	6.0'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	367
CS-8	5/20/2025	6.0'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	298
CS-9	5/20/2025	2.0'	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	347
CS-10	5/20/2025	2.0'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	0.00300	<0.00399	<0.00399	282
CS-11	5/20/2025	2.0'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	132
CS-12	5/20/2025	2.0'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	164
CS-13	5/20/2025	2.0'	<50.1	<50.1	<50.1	<50.1	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	131
CS-14	5/20/2025	2.0'	<50.3	<50.3	<50.3	<50.3	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	455
Regulatory Criteria^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(CS) - Confirmation Sample

Removed

Table 2
Chevron U.S.A., Inc.
South Culebra Bluff Unit #006
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-15	5/20/2025	2.0'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	179
CS-16	5/20/2025	2.0'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	315
CS-17	5/21/2025	6.0'	<10.0	13.3	<10.0	13.3	<0.050	<0.050	<0.050	<0.150	<0.300	256
CS-18	5/21/2025	6.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
CS-19	5/21/2025	6.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
CS-20	5/21/2025	6.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
CS-21	5/21/2025	6.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
CS-22	5/21/2025	6.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
CS-23	5/21/2025	6.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
CS-24	5/21/2025	6.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	336
CS-25	5/21/2025	6.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
CS-26	5/21/2025	6.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
CS-27	5/21/2025	6.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
Regulatory Criteria^A						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(CS) - Confirmation Sample

Table 2
Chevron U.S.A., Inc.
South Culebra Bluff Unit #006
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	5/21/2025	6.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
SW-2	5/21/2025	6.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
SW-3	5/21/2025	6.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-4	5/21/2025	4.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
SW-5	5/21/2025	4.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
SW-6	5/21/2025	6.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	432
SW-7	5/21/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
SW-8	5/21/2025	4.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
SW-9	5/21/2025	4.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
SW-10	5/21/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208
SW-11	5/21/2025	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
SW-12	5/21/2025	6.0'	<10.0	16.1	<10.0	16.1	<0.050	<0.050	<0.050	<0.150	<0.300	272
SW-13	5/21/2025	6.0'	<10.0	14.7	<10.0	14.7	<0.050	<0.050	<0.050	<0.150	<0.300	144
SW-14	5/21/2025	6.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
SW-15	5/21/2025	6.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
SW-16	5/21/2025	6.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
Backfill	5/30/2025	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
<i>Regulatory Criteria^A</i>						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

^A – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH - Total Petroleum Hydrocarbons
ft - feet
(SW) - Sidewall Sample

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Chevron U.S.A., Inc.

Photograph No. 1

Facility: South Culebra Bluff Unit #006
(07.15.2005)

County: Eddy County, New Mexico

Description:

View West, area of CS-1 through CS-8.



Photograph No. 2

Facility: South Culebra Bluff Unit #006
(07.15.2005)

County: Eddy County, New Mexico

Description:

View Northeast, area of CS-9 through CS-16.



Photograph No. 3

Facility: South Culebra Bluff Unit #006
(07.15.2005)

County: Eddy County, New Mexico

Description:

View West, area of CS-17 through CS-27.



PHOTOGRAPHIC LOG

Chevron U.S.A., Inc.

Photograph No. 4

Facility: South Culebra Bluff Unit #006
(07.15.2005)

County: Eddy County, New Mexico

Description:

View South of backfilled area.

**Photograph No. 5**

Facility: South Culebra Bluff Unit #006
(07.15.2005)

County: Eddy County, New Mexico

Description:

View Northeast of backfilled area.

**Photograph No. 6**

Facility: South Culebra Bluff Unit #006
(07.15.2005)

County: Eddy County, New Mexico

Description:

View Northwest of backfilled area.



PHOTOGRAPHIC LOG

Chevron U.S.A., Inc.


Photograph No. 7

Facility: South Culebra Bluff Unit #006
(07.15.2005)

County: Eddy County, New Mexico

Description:

View of seed mixture.

		Chevron-South Culebra Bluff Unit #006					
		Lot #: 3526					
		34.08					
Item	% Pure Mix	Origin	Purity	Germ	Dormant	Total	Germ: Test Date
Plains Bristlegrass, Variety Not Stated	49.41%	Oklahoma	95.32%	51.00%	44.00%	95.00%	10/2024
Sand Lovegrass, Bend	23.71%	Texas	97.67%	84.00%	5.00%	99.00%	11/2024
Sand Dropseed, Variety Not Stated	23.71%	Colorado	99.28%	85.00%	14.00%	99.00%	3/2025
BLM #2 Seed Mix	0.00%		96.84%	69.50%	27.37%	96.93%	5/2025
Seed Total	96.83%						
Inert Matter:	2.96%						
Weed Seed:	0.14%						
Other Crop:	0.07%						

Noxious Weed: None

Texas Permit 2772

BLM 2 - Plant at 8.5205 bulk pounds per acre.

curtisseed.com

4500 North Prince, Clovis, NM 88101

(575) 762-4759

Photograph No. 8

Facility: South Culebra Bluff Unit #006
(07.15.2005)

County: Eddy County, New Mexico

Description:

View Southwest of reseeding area.



Photograph No. 9

Facility: South Culebra Bluff Unit #006
(07.15.2005)

County: Eddy County, New Mexico

Description:

View North of reseeding via seed drill.



APPENDIX C

CARMONA RESOURCES



District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

30-015-23339

Release Notification and Corrective Action

nMLB0519955590

OPERATOR

X Initial Report ☐ Final Report

Name of Company	Range Operating NM Inc	Contact	George Benham
Address	POB 300, Loving NM 88256	Telephone No.	505-745-2329
Facility Name	South Culebra Bluff # 6 (SCB #6)	Facility Type	Tank Battery
Surface Owner	Candie Carrasco	Mineral Owner	Candie Carrasco
		Lease No.	300271

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
E	24	23S	28E	1080	FNL	660	FEL	Eddy

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release	Produced Oil & Water	Volume of Release	70 Bbls	Volume Recovered	50 Bbls
Source of Release	Tank Battery	Date and Hour of Occurrence	7-15-05 Time Unknown	Date and Hour of Discovery	7-15-05 10:00 AM
Was Immediate Notice Given?	X Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Mike Bratcher		
By Whom?	George Benham	Date and Hour	7-15-05 2:00 PM		
Was a Watercourse Reached?	<input type="checkbox"/> Yes X No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

Water Dump Valve Malfunction on The Heater Treater dumping water to the oil tank.

Describe Area Affected and Cleanup Action Taken.*

Fluid was all contained inside the fenced berm area. Picked up fluid w/vac truck & spread sand to soak up oil.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: <u>George Benham</u>		OIL CONSERVATION DIVISION	
Printed Name: George Benham		Approved by District Supervisor: TIM GU by ME <u>Nik Bratcher</u>	
Title: Production Supervisor		Approval Date: <u>9/23/05</u>	Expiration Date: <u>N/A</u>
E-mail Address: gbenham@rangeresources.com		Conditions of Approval:	
Date: 7-15-05	Phone: 505-745-2329	Attached <input checked="" type="checkbox"/>	

* Attach Additional Sheets If Necessary



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

Mark E. Fesmire, P.E.

Director

Oil Conservation Division

Range Operating NM Inc.
777 Main St.
Suite 800
FT Worth TX 76102

September 26, 2005

Re: South Calebra Bluff 006 E-24-23s-28e 30-015-23339 Incident # nMLB0519955590

The New Mexico Oil Conservation Division District II Office is in receipt of an Initial Report C-141 reporting a produced fluids release that occurred on 7/15/2005 at or near the above referenced well site.

Please submit a Corrective Action Work Plan to this office for correction/remediation of this release. Please use the "Guidelines For Remediation of Leaks, Spills, and Releases" as your guide.

This document may be found on the NMOCD web site: www.emnrd.state.nm.us/ocd, under Publications/Environmental Handbook/Miscellaneous Guidelines/Spill Prevention Clean up.

The work plan presented to the NMOCD must include general site characteristics, site ranking score, soil remediation action levels, soil remediation methods, and planned analytical testing for TPH, B-TEX, Chlorides or any other CoCs as applicable.

A final Form C-141 is required for closure of the release incident and must include a report of remediation actions taken with final analytical results attached.

BLM approval required if applicable.

Please have the requested work plan in the Artesia office on or before October 24, 2005. The NMOCD District II Office must be notified 24 hours prior to any remediation actions and/or subsequent soil samples taken for analysis.

In the event that a satisfactory response is not received to this letter further enforcement will occur. Such enforcement may include this office applying to the Division for an order summoning you to a hearing before a Division Examiner in Santa Fe. Such a hearing may result in imposition of **CIVIL PENALTIES** for your violation of NMOCD rules.

If I can be of assistance in this matter, my contact information is listed below.

Mike Bratcher
NMOCD District 2
1301 W. Grand Ave.
Artesia, NM 88210
(505) 748-1283 Ext. 108
(505) 626-0857
mbratcher@state.nm.com

Oil Conservation Division * 1220 South St. Francis Drive * Santa Fe, New Mexico 87505
Phone: (505) 476-3440 * Fax (505) 476-3462 * <http://www.emnrd.state.nm.us>

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 461831

QUESTIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 461831
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nMLB0519955590
Incident Name	NMLB0519955590 SOUTH CULEBRA BLUFF UNIT #006 @ 30-015-23339
Incident Type	Other
Incident Status	Initial C-141 Approved
Incident Well	[30-015-23339] SOUTH CULEBRA BLUFF UNIT #006

Location of Release Source	
Site Name	SOUTH CULEBRA BLUFF UNIT #006
Date Release Discovered	07/15/2005
Surface Owner	Private

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	5,400
What is the estimated number of samples that will be gathered	35
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/19/2025
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	“(32.292931, -104.048221) Carmona Resources will be onsite to conduct a final confirmation sampling. Sampling will begin on 05.19.2025 and is expected to continue until 05.23.2025.”

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 461831

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 461831
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS


Created By	Condition	Condition Date
abarnhill	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.	5/14/2025


APPENDIX D


CARMONA RESOURCES





Legend


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
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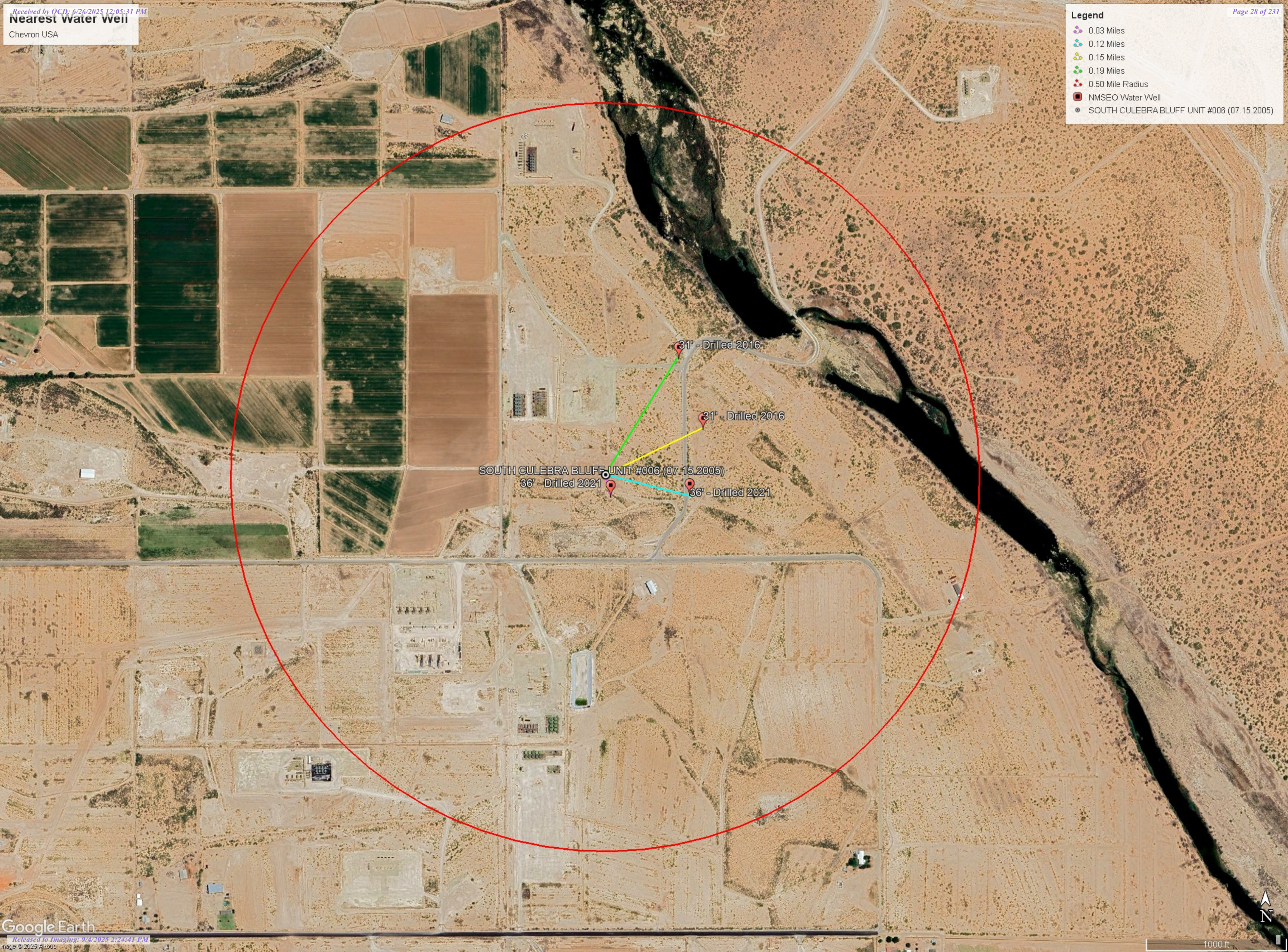
 0.15 Miles

 0.19 Miles

 0.50 Mile Radius

 NMSEO Water Well

 SOUTH CULEBRA BLUFF UNIT #006 (07.15.2005)







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 04556 POD1		CUB	ED	SE	SW	NW	24	23S	28E	589719.7	3573237.7	●	47	40	36	4
C 00868		CUB	ED	SE	SW	NW	24	23S	28E	589811.0	3573176.0 *	●	148	190		
C 00500		CUB	ED	SE	SW	NW	24	23S	28E	589754.4	3573127.4	●	163	130		
C 04556 POD2		CUB	ED	SE	SW	NW	24	23S	28E	589890.8	3573239.8	●	187	40	36	4
C 03965 POD4		CUB	ED		NW	SE	24	23S	28E	589918.0	3573381.4	●	230	40	31	9
C 03965 POD5		CUB	ED	SE	NW	NW	24	23S	28E	589864.3	3573534.9	●	295	35	31	4
C 03146		C	ED	NW	NW	SW	24	23S	28E	589613.0	3572970.0 *	●	328	82	36	46
C 04556 POD3		CUB	ED	SE	SW	NW	24	23S	28E	590567.2	3573265.3	●	858	40	36	4
C 01102		C	ED		NW	NE	23	23S	28E	588901.0	3573672.0 *	●	896	100	12	88
C 04490 POD3		CUB	ED	SE	NW	NE	24	23S	28E	590596.5	3573502.0	●	913	37	33	4
C 04490 POD2		CUB	ED	NE	SW	SW	13	23S	28E	589898.7	3574259.5	●	993	23	19	4
C 01217		CUB	ED	SE	NW	SW	13	23S	28E	589788.9	3574371.9	●	1090	87	50	37
C 00154		CUB	ED	SE	NE	NW	23	23S	28E	588595.0	3573566.0 *	●	1149	196	38	158
C 01215		CUB	ED	SE	NE	SW	13	23S	28E	590210.0	3574397.0 *	●	1220	104	15	89
C 01967		C	ED		NE	SW	13	23S	28E	590111.0	3574498.0 *	●	1278	264	200	64
C 01443		C	ED		NE	NW	25	23S	28E	590123.0	3572064.0 *	●	1288	50	27	23
C 00136 S		CUB	ED	NW	NW	NE	25	23S	28E	590426.0	3572167.0 *	●	1327	122	45	77
C 00154 CLW194067	O	CUB	ED	SW	NE	NW	23	23S	28E	588395.0	3573566.0 *	●	1343	150	65	85
C 01108		C	ED	SW	NE	NW	23	23S	28E	588395.0	3573566.0 *	●	1343	60	35	25
C 01214		CUB	ED	NW	NE	SW	13	23S	28E	590010.0	3574597.0 *	●	1347	70	20	50
C 04490 POD1		CUB	ED	NW	SE	SE	24	23S	28E	590876.3	3572492.9	●	1410	37	25	12
C 00136		CUB	ED	SW	NW	NE	25	23S	28E	590426.0	3571967.0 *	●	1499	200	42	158
C 00136 CLW194026	O	CUB	ED	SW	NW	NE	25	23S	28E	590426.0	3571967.0 *	●	1499	200	52	148
C 00136 CLW235233	O	CUB	ED	SW	NW	NE	25	23S	28E	590426.0	3571967.0 *	●	1499	200	42	158

Average Depth to Water: **42 feet**

Minimum Depth: **12 feet**

Maximum Depth: **200 feet**

Record Count: 24

UTM Filters (in meters):

Easting: 589709.00

Northing: 3573284.00

Radius: 1500

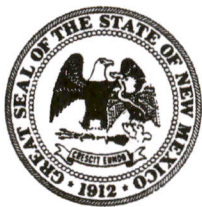
* UTM location was derived from PLSS - see Help

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

April 17, 2025 03:47 PM MST

Page 1 of 2

Water Column/Average Depth to Water



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 1 (MW-11)		WELL TAG ID NO.		OSE FILE NO(S). C-4556	
	WELL OWNER NAME(S) Arcadis				PHONE (OPTIONAL)	
	WELL OWNER MAILING ADDRESS 1004 N Big Spring Street, Suite 121				CITY Midland	STATE TX ZIP 79701
	WELL LOCATION (FROM GPS)	DEGREES 32.292332	MINUTES 32° 17'	SECONDS 32.39"	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84	
	LATITUDE -104.047121	LONGITUDE 104° 2' 49.63" W				
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE						

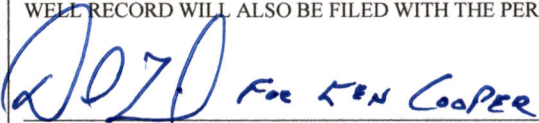
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1731		NAME OF LICENSED DRILLER Ken Cooper		NAME OF WELL DRILLING COMPANY Harrison & Cooper, Inc. (DBA HCI Drilling)			
	DRILLING STARTED 08/17/2021	DRILLING ENDED 08/17/2021	DEPTH OF COMPLETED WELL (FT) 40	BORE HOLE DEPTH (FT) 40	DEPTH WATER FIRST ENCOUNTERED (FT) 36			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) 36			
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	30	8	PVC	FJ	4	Sch 40	
	20	40	8	PVC	FJ	4	Sch 40	.010

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
	0	18	8	Bentonite	10	Poured/Tremmie
	18	40	8	Sand	15	Poured/Tremmie

FOR OSE INTERNAL USE

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

FILE NO. C-4556	POD NO. 2	TRN NO. 699785
LOCATION 1-3-4 23S-28E-24	WELL TAG ID NO. MON-	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)		ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO					
	0	1	1	Topsoil	Y	N	
	1	4	3	Sand	Y	N	
	4	14	10	Caliche	Y	N	
	14	17	3	Sand	Y	N	
	17	25	8	Caliche	Y	N	
	25	36	9	Sand	Y	N	
	36	40	4	Clay	Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
	METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER – SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	
	5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.				
MISCELLANEOUS INFORMATION: <div style="text-align: right;">USE DTI SEP 23 2021 PM 11:45</div>							
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:							
6. SIGNATURE	BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING. <div style="display: flex; justify-content: space-between;"><div> SIGNATURE OF DRILLER / PRINT SIGNEE NAME</div><div>Ken Cooper</div><div>09/13/2021</div></div> <div style="text-align: right;">DATE</div>						



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 2 (MW-12)		WELL TAG ID NO.		OSE FILE NO(S). C-4556			
	WELL OWNER NAME(S) Arcadis				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 1004 N Big Spring Street, Suite 121				CITY Midland	STATE TX ZIP 79701		
	WELL LOCATION (FROM GPS)	DEGREES 32.292337 MINUTES 32' 17" SECONDS 32.41"	LATITUDE -104.043304 LONGITUDE 104 2' 43.09" W		* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE								
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1731		NAME OF LICENSED DRILLER Ken Cooper		NAME OF WELL DRILLING COMPANY Harrison & Cooper, Inc. (DBA HCI Drilling)			
	DRILLING STARTED 08/17/2021	DRILLING ENDED 08/17/2021	DEPTH OF COMPLETED WELL (FT) 40	BORE HOLE DEPTH (FT) 40	DEPTH WATER FIRST ENCOUNTERED (FT) 34			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) 34			
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	30	8	PVC	FJ	4	Sch 40	
	20	40	8	PVC	FJ	4	Sch 40	.010
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
	0	18	8	Bentonite	10	Poured/Tremmie		
	18	40	8	Sand	15	Poured/Tremmie		

FOR OSE INTERNAL USE

FILE NO. C-4556	POD NO. 1	WR-20 WELL RECORD & LOG (Version 04/30/19)
LOCATION 1.3.4 235.28E-24	WELL TAG ID NO. MONI	TRN NO. 699785
		PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

5. TEST: RIG SUPERVISION

5. SIGNATURE

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 04/30/2019)	
FILE NO.	C-4554	POD NO.	1
LOCATION	1-3-4	WELL TAG ID NO.	23S-28E-24
			PAGE 2 OF 2



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

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STATE ENGINEER OFFICE
ROSWELL, NEW MEXICO

2016 AUG 18 AM 11: 21

1. GENERAL AND WELL LOCATION	OSE POD NUMBER (WELL NUMBER) (POD4) C-MW-4				OSE FILE NUMBER(S) C-03965			
	WELL OWNER NAME(S) Rockcliff Operating New Mexico				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 1301 McKinney, Suite 1300				CITY STATE ZIP Houston TX 77010			
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 17'	SECONDS 37" N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND			
	LONGITUDE 104	02'	42" W	* DATUM REQUIRED: WGS 84				
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NW 1/4 OF NW 1/4 OF NW 1/4 OF SECTION 24, T23S, R28E								
2. DRILLING & CASING INFORMATION	LICENSE NUMBER WD-1711		NAME OF LICENSED DRILLER EDWARD BRYAN			NAME OF WELL DRILLING COMPANY STRAUB CORPORATION		
	DRILLING STARTED 7-18-16		DRILLING ENDED 7-18-16		DEPTH OF COMPLETED WELL (FT) 40'		BORE HOLE DEPTH (FT) 40'	
					DEPTH WATER FIRST ENCOUNTERED (FT) N/A			
	COMPLETED WELL IS: <input type="radio"/> ARTESIAN <input type="radio"/> DRY HOLE <input checked="" type="radio"/> SHALLOW (UNCONFINED)						STATIC WATER LEVEL IN COMPLETED WELL (FT) 31'	
	DRILLING FLUID: <input checked="" type="radio"/> AIR <input type="radio"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="radio"/> ROTARY <input type="radio"/> HAMMER <input type="radio"/> CABLE TOOL <input type="radio"/> OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	40'	30'	6"	SCH 40 .010 SCREEN	FJ	2"	0.154	.010
	30'	0"	6"	SCH 40 RISER	FJ	2"	0.154	RISER
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
	40'	28'	6"	7 BAGS OF 20/40 SAND		TOPLOAD		
	28'	24'	6"	1 BAG OF 3/8 HOLEPLUG		TOPLOAD		
	24'	0	6"	5% CEMENT GROUT		TOPLOAD		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/08/2012)

FILE NUMBER	C-3965	POD NUMBER	4	TRN NUMBER	590331
LOCATION	Mon	235.28E. 24. 141			PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

WR-20 WELL RECORD & LOG (Version 06/08/2012)



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

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STATE ENGINEER OFFICE
ROSWELL, NEW MEXICO

2016 AUG 18 AM 11:20

1. GENERAL AND WELL LOCATION	OSE POD NUMBER (WELL NUMBER) (POD5) C-MW-5				OSE FILE NUMBER(S) C-03965			
	WELL OWNER NAME(S) Rockcliff Operating New Mexico				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 1301 McKinney, Suite 1300				CITY Houston		STATE TX	ZIP 77010
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 17'	SECONDS 42" N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84			
	LONGITUDE 104	02'	44" W					
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SE 1/4 OF SE 1/4 OF NW 1/4 OF NW 1/4 OF SECTION 24, T23S, R28E								
2. DRILLING & CASING INFORMATION	LICENSE NUMBER WD-1711		NAME OF LICENSED DRILLER EDWARD BRYAN			NAME OF WELL DRILLING COMPANY STRAUB CORPORATION		
	DRILLING STARTED 7-18-16		DRILLING ENDED 7-18-16		DEPTH OF COMPLETED WELL (FT) 35'	BORE HOLE DEPTH (FT) 35'	DEPTH WATER FIRST ENCOUNTERED (FT) N/A	
	COMPLETED WELL IS: <input type="radio"/> ARTESIAN <input type="radio"/> DRY HOLE <input checked="" type="radio"/> SHALLOW (UNCONFINED)						STATIC WATER LEVEL IN COMPLETED WELL (FT) 31'	
	DRILLING FLUID: <input checked="" type="radio"/> AIR <input type="radio"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="radio"/> ROTARY <input type="radio"/> HAMMER <input type="radio"/> CABLE TOOL <input type="radio"/> OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	35'	25'	6"	SCH 40 .010 SCREEN	FJ	2"	0.154	.010
	25'	0"	6"	SCH 40 RISER	FJ	2"	0.154	RISER
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
	35'	23'	6"	13 BAGS OF 20/40 SAND		TOPLOAD		
	23'	19'	6"	1 BAG OF 3/8 HOLEPLUG		TOPLOAD		
	19'	0	6"	5% BENTONITE / CEMENT GROUT		TOPLOAD		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/08/2012)

FILE NUMBER	C-3965	POD NUMBER	5	TRN NUMBER	590331
LOCATION	Men 235.38E.24.411				PAGE 1 OF 2

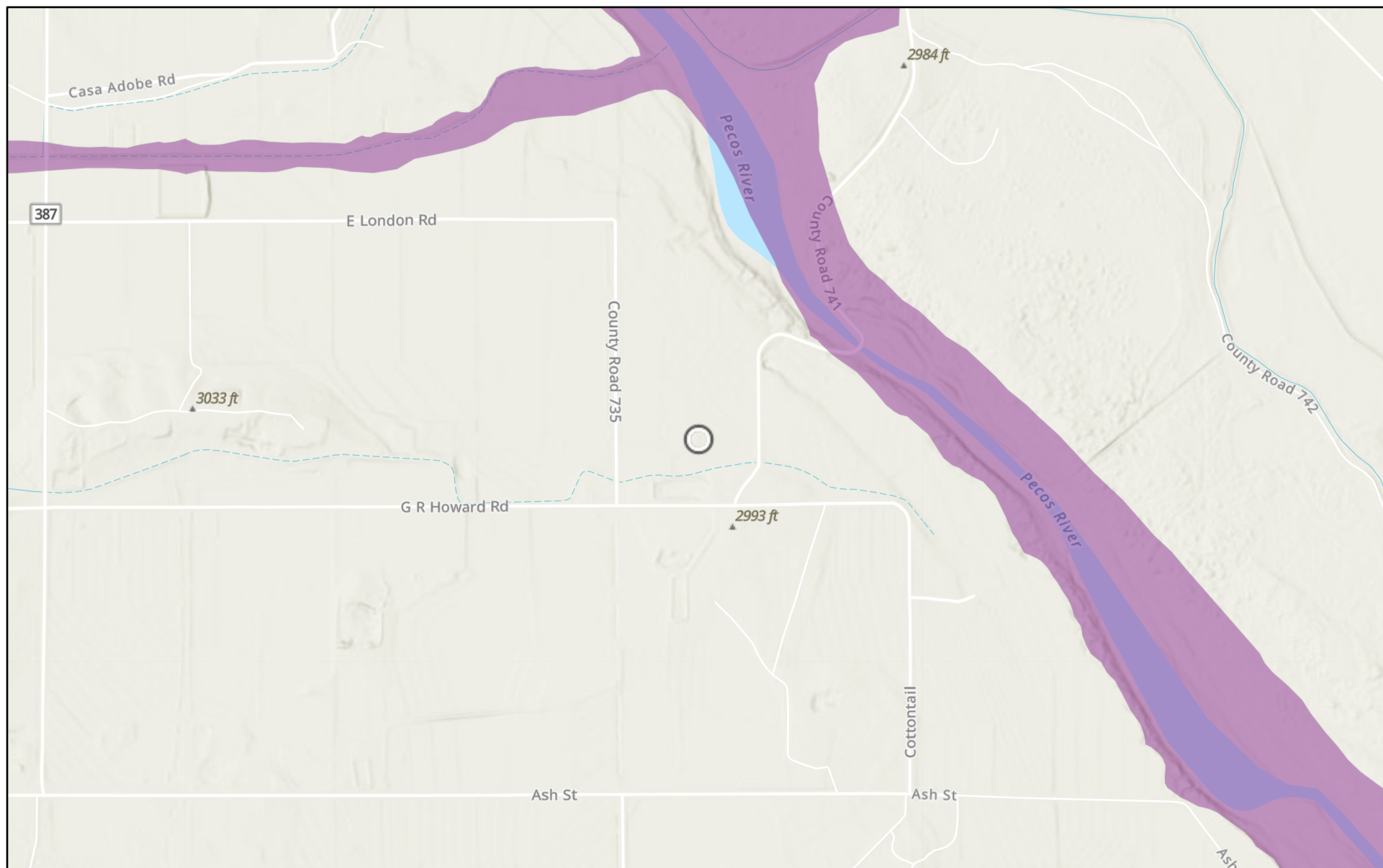
	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
4. HYDROGEOLOGIC LOG OF WELL	0	2'	2'	TAN FINE SAND - SANDSTONE - CALICHE	<input type="radio"/> Y <input checked="" type="radio"/> N	N/A
	2'	20'	18'	TAN FINE SAND - SILICEOUS SANDSTONE	<input type="radio"/> Y <input checked="" type="radio"/> N	N/A
	20'	23'	21'	TAN FINE SAND - LARGE ROCK	<input type="radio"/> Y <input checked="" type="radio"/> N	N/A
	23'	30'	7'	TAN FINE SAND - SANDSTONE	<input type="radio"/> Y <input checked="" type="radio"/> N	N/A
	30'	35'	5'	TAN FINE SAND	<input type="radio"/> Y <input checked="" type="radio"/> N	N/A
	TD	35'			<input type="radio"/> Y <input checked="" type="radio"/> N	N/A
					<input type="radio"/> Y <input checked="" type="radio"/> N	
					<input type="radio"/> Y <input checked="" type="radio"/> N	
					<input type="radio"/> Y <input checked="" type="radio"/> N	
					<input type="radio"/> Y <input type="radio"/> N	
					<input type="radio"/> Y <input type="radio"/> N	
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					<input type="radio"/> Y <input type="radio"/> N	
					<input type="radio"/> Y <input type="radio"/> N	
					<input type="radio"/> Y <input type="radio"/> N	
	METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="radio"/> PUMP					TOTAL ESTIMATED WELL YIELD (gpm):
<input type="radio"/> AIR LIFT <input type="radio"/> BAILER <input type="radio"/> OTHER - SPECIFY:						
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.				
	MISCELLANEOUS INFORMATION: 8X12 FLUSHMONT 2X2 PAD EDDY COUNTY NM					
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:					
6. SIGNATURE	<p>THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 20 DAYS AFTER COMPLETION OF WELL DRILLING:</p> <div style="display: flex; justify-content: space-between; align-items: flex-end; margin-top: 20px;"> <div style="text-align: center;"> SIGNATURE OF DRILLER / PRINT SIGNED NAME </div> <div style="text-align: center;"> EDWARD BRYAN DATE </div> <div style="text-align: center;"> 8-14-16 </div> </div>					

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/08/2012)

FILE NUMBER	C-3916	POD NUMBER	5	TRN NUMBER	590331
LOCATION	Mon	235.28E.24.441			PAGE 2 OF 2

SOUTH CULEBRA BLUFF UNIT #006 (07.15.2005)

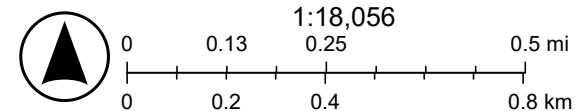


4/17/2025

USA Flood Hazard Areas

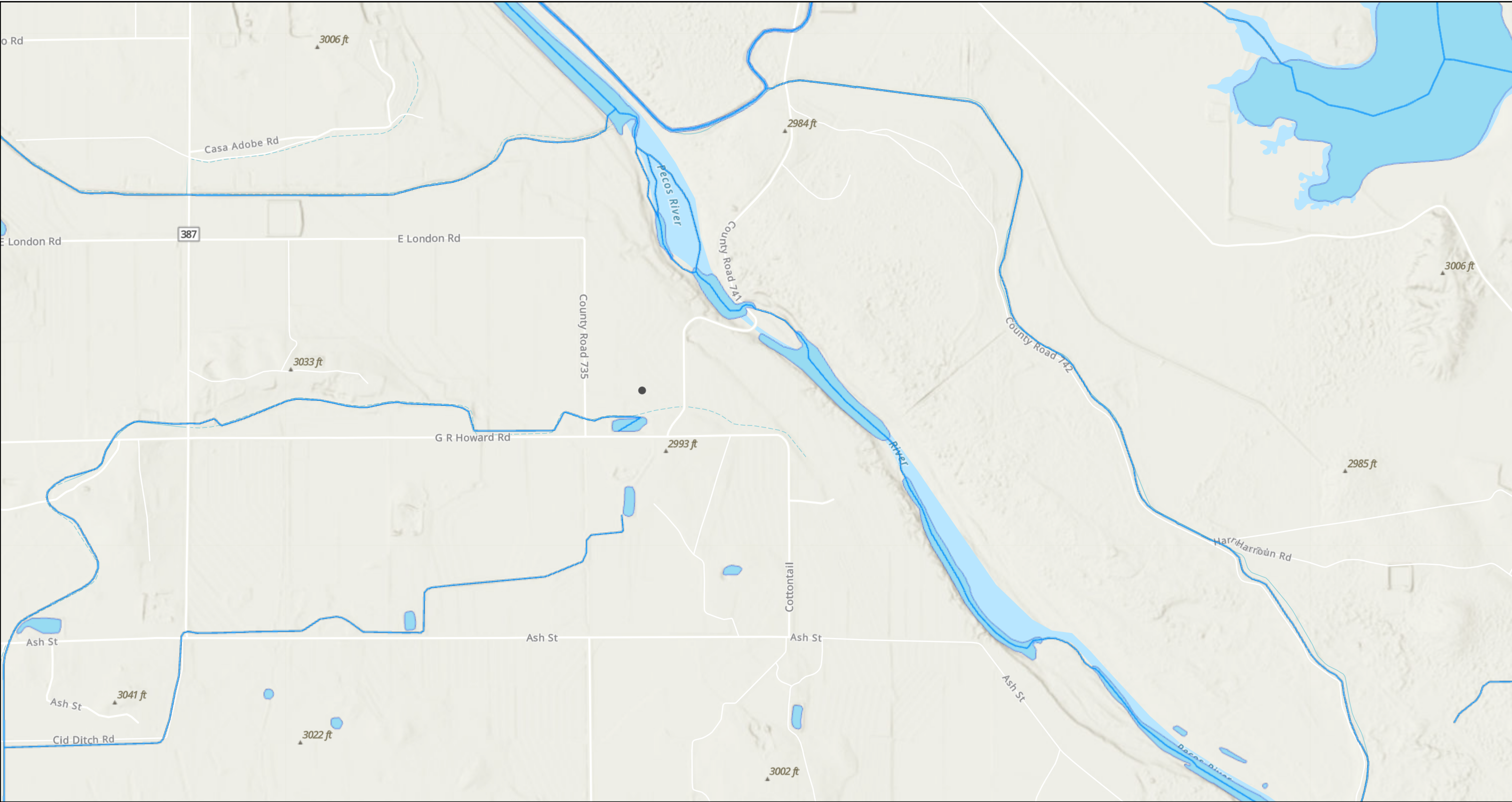
1% Annual Chance Flood Hazard

World_Hillshade



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

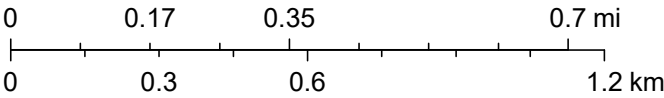
SOUTH CULEBRA BLUFF UNIT #006 (07.15.2005)



4/17/2025, 4:46:57 PM

- OSW Water Bodys
- OSE Streams

1:18,056



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

APPENDIX E

CARMONA RESOURCES





Environment Testing

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

ANALYTICAL REPORT

PREPARED FOR

Attn: Ashton Thielke
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701
Generated 5/2/2025 1:29:14 PM

JOB DESCRIPTION

South Culebra Bluff Unit #006
Eddy Co New Mexico

JOB NUMBER

890-8042-1

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
5/2/2025 1:29:14 PM

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

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Laboratory Job ID: 890-8042-1
SDG: Eddy Co New Mexico

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	7
Surrogate Summary	25
QC Sample Results	27
QC Association Summary	35
Lab Chronicle	41
Certification Summary	49
Method Summary	50
Sample Summary	51
Chain of Custody	52
Receipt Checklists	55

1

2

3

4

5

6

7

8

9

10

11

12

13

14

Definitions/Glossary

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 890-8042-1
SDG: Eddy Co New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: South Culebra Bluff Unit #006

Job ID: 890-8042-1

Job ID: 890-8042-1

Eurofins Carlsbad

Job Narrative 890-8042-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 4/29/2025 2:22 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 3.0°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (0-1.0) (890-8042-1), S-1 (1.5) (890-8042-2), S-1 (2.0) (890-8042-3), S-1 (3.0) (890-8042-4), S-1 (4.0) (890-8042-5), S-1 (4.5) (890-8042-6), S-2 (0-1.0) (890-8042-7), S-2 (1.5) (890-8042-8), S-2 (2.0) (890-8042-9), S-2 (3.0) (890-8042-10), S-2 (4.0) (890-8042-11), S-2 (4.5) (890-8042-12), S-3 (0-1.0) (890-8042-13), S-3 (1.5) (890-8042-14), S-3 (2.0) (890-8042-15), S-3 (3.0) (890-8042-16), S-3 (4.0) (890-8042-17), S-3 (4.5) (890-8042-18), S-4 (0-1.0) (890-8042-19), S-4 (1.5) (890-8042-20), S-4 (2.0) (890-8042-21), S-4 (3.0) (890-8042-22), S-4 (4.0) (890-8042-23) and S-4 (4.5) (890-8042-24).

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-109026 and analytical batch 880-109150 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-109150/19), (CCV 880-109150/30), (CCV 880-109150/4), (LCS 880-109026/2-A) and (LCSD 880-109026/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike (MS) recoveries for preparation batch 880-109026 and analytical batch 880-109150 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-108994 and analytical batch 880-109154 was outside the upper control limits.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: S-1 (2.0) (890-8042-3), S-1 (4.5) (890-8042-6), (LCS 880-108994/2-A), (LCSD 880-108994/3-A), (880-57466-A-27-B), (880-57466-A-27-C MS) and (880-57466-A-27-D MSD). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-109154/19), (CCV 880-109154/30) and (CCV 880-109154/4). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-108994 and analytical batch 880-109154 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.

HPLC/IC

Eurofins Carlsbad

Case Narrative

Client: Carmona Resources
Project: South Culebra Bluff Unit #006

Job ID: 890-8042-1

Job ID: 890-8042-1 (Continued)

Eurofins Carlsbad

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-109074 and analytical batch 880-109083 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-109078 and analytical batch 880-109084 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Eurofins Carlsbad

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14

Client Sample Results

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 890-8042-1
SDG: Eddy Co New Mexico

Client Sample ID: S-1 (0-1.0)

Lab Sample ID: 890-8042-1

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/30/25 11:04	04/30/25 23:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/30/25 11:04	04/30/25 23:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/30/25 11:04	04/30/25 23:19	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/30/25 11:04	04/30/25 23:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/30/25 11:04	04/30/25 23:19	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/30/25 11:04	04/30/25 23:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	04/30/25 11:04	04/30/25 23:19	1
1,4-Difluorobenzene (Surr)	92		70 - 130	04/30/25 11:04	04/30/25 23:19	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			04/30/25 23:19	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			05/01/25 17:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/29/25 15:11	05/01/25 17:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/29/25 15:11	05/01/25 17:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/29/25 15:11	05/01/25 17:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130	04/29/25 15:11	05/01/25 17:47	1
o-Terphenyl	70		70 - 130	04/29/25 15:11	05/01/25 17:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	597		10.1		mg/Kg			04/30/25 19:17	1

Client Sample ID: S-1 (1.5)

Lab Sample ID: 890-8042-2

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/30/25 11:04	04/30/25 23:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/30/25 11:04	04/30/25 23:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/30/25 11:04	04/30/25 23:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/30/25 11:04	04/30/25 23:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/30/25 11:04	04/30/25 23:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/30/25 11:04	04/30/25 23:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	04/30/25 11:04	04/30/25 23:39	1
1,4-Difluorobenzene (Surr)	88		70 - 130	04/30/25 11:04	04/30/25 23:39	1

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Client Sample Results

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 890-8042-1
SDG: Eddy Co New Mexico

Client Sample ID: S-1 (1.5)

Lab Sample ID: 890-8042-2

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/30/25 23:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/01/25 18:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/29/25 15:11	05/01/25 18:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/29/25 15:11	05/01/25 18:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/29/25 15:11	05/01/25 18:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130				04/29/25 15:11	05/01/25 18:08	1
o-Terphenyl	81		70 - 130				04/29/25 15:11	05/01/25 18:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	569		9.94		mg/Kg			04/30/25 19:23	1

Client Sample ID: S-1 (2.0)

Lab Sample ID: 890-8042-3

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/30/25 11:04	05/01/25 00:00	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/30/25 11:04	05/01/25 00:00	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/30/25 11:04	05/01/25 00:00	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/30/25 11:04	05/01/25 00:00	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/30/25 11:04	05/01/25 00:00	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/30/25 11:04	05/01/25 00:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				04/30/25 11:04	05/01/25 00:00	1
1,4-Difluorobenzene (Surr)	91		70 - 130				04/30/25 11:04	05/01/25 00:00	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			05/01/25 00:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/01/25 18:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		04/29/25 15:11	05/01/25 18:28	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		04/29/25 15:11	05/01/25 18:28	1

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Client Sample Results

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 890-8042-1
SDG: Eddy Co New Mexico

Client Sample ID: S-1 (2.0)

Lab Sample ID: 890-8042-3

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		04/29/25 15:11	05/01/25 18:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	69	S1-	70 - 130				04/29/25 15:11	05/01/25 18:28	1
o-Terphenyl	71		70 - 130				04/29/25 15:11	05/01/25 18:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	255		9.98		mg/Kg			04/30/25 19:29	1

Client Sample ID: S-1(3.0)

Lab Sample ID: 890-8042-4

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/30/25 11:04	05/01/25 00:20	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/30/25 11:04	05/01/25 00:20	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/30/25 11:04	05/01/25 00:20	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/30/25 11:04	05/01/25 00:20	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/30/25 11:04	05/01/25 00:20	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/30/25 11:04	05/01/25 00:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				04/30/25 11:04	05/01/25 00:20	1
1,4-Difluorobenzene (Surr)	95		70 - 130				04/30/25 11:04	05/01/25 00:20	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			05/01/25 00:20	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			05/01/25 18:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/29/25 15:11	05/01/25 18:49	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/29/25 15:11	05/01/25 18:49	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/29/25 15:11	05/01/25 18:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130				04/29/25 15:11	05/01/25 18:49	1
o-Terphenyl	75		70 - 130				04/29/25 15:11	05/01/25 18:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	544		10.0		mg/Kg			04/30/25 19:35	1

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Client Sample Results

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 890-8042-1
SDG: Eddy Co New Mexico

Client Sample ID: S-1 (4.0)

Lab Sample ID: 890-8042-5

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/30/25 11:04	05/01/25 00:41	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/30/25 11:04	05/01/25 00:41	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/30/25 11:04	05/01/25 00:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/30/25 11:04	05/01/25 00:41	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/30/25 11:04	05/01/25 00:41	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/30/25 11:04	05/01/25 00:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	04/30/25 11:04	05/01/25 00:41	1
1,4-Difluorobenzene (Surr)	91		70 - 130	04/30/25 11:04	05/01/25 00:41	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			05/01/25 00:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/01/25 19:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/29/25 15:11	05/01/25 19:09	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/29/25 15:11	05/01/25 19:09	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/29/25 15:11	05/01/25 19:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	71		70 - 130	04/29/25 15:11	05/01/25 19:09	1
o-Terphenyl	73		70 - 130	04/29/25 15:11	05/01/25 19:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	242		9.96		mg/Kg			04/30/25 19:41	1

Client Sample ID: S-1 (4.5)

Lab Sample ID: 890-8042-6

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/30/25 11:04	05/01/25 01:01	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/30/25 11:04	05/01/25 01:01	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/30/25 11:04	05/01/25 01:01	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/30/25 11:04	05/01/25 01:01	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/30/25 11:04	05/01/25 01:01	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/30/25 11:04	05/01/25 01:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	04/30/25 11:04	05/01/25 01:01	1
1,4-Difluorobenzene (Surr)	86		70 - 130	04/30/25 11:04	05/01/25 01:01	1

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Client Sample Results

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 890-8042-1
SDG: Eddy Co New Mexico

Client Sample ID: S-1 (4.5)

Lab Sample ID: 890-8042-6

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

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			05/01/25 01:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/01/25 19:30	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	<50.1	U	50.1		mg/Kg		04/29/25 15:11	05/01/25 19:30	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		04/29/25 15:11	05/01/25 19:30	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/29/25 15:11	05/01/25 19:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	69	S1-	70 - 130				04/29/25 15:11	05/01/25 19:30	1
o-Terphenyl	67	S1-	70 - 130				04/29/25 15:11	05/01/25 19:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	185		10.0		mg/Kg			04/30/25 18:09	1

Client Sample ID: S-2 (0-1.0)

Lab Sample ID: 890-8042-7

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/30/25 11:04	05/01/25 01:22	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/30/25 11:04	05/01/25 01:22	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/30/25 11:04	05/01/25 01:22	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/30/25 11:04	05/01/25 01:22	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/30/25 11:04	05/01/25 01:22	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/30/25 11:04	05/01/25 01:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				04/30/25 11:04	05/01/25 01:22	1
1,4-Difluorobenzene (Surr)	93		70 - 130				04/30/25 11:04	05/01/25 01:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			05/01/25 01:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			05/01/25 19:50	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	<50.5	U	50.5		mg/Kg		04/29/25 15:11	05/01/25 19:50	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		04/29/25 15:11	05/01/25 19:50	1

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Client Sample Results

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 890-8042-1
SDG: Eddy Co New Mexico

Client Sample ID: S-2 (0-1.0)

Lab Sample ID: 890-8042-7

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

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)	<50.5	U	50.5		mg/Kg		04/29/25 15:11	05/01/25 19:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				04/29/25 15:11	05/01/25 19:50	1
o-Terphenyl	83		70 - 130				04/29/25 15:11	05/01/25 19:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	454		9.98		mg/Kg			04/30/25 18:31	1

Client Sample ID: S-2 (1.5)

Lab Sample ID: 890-8042-8

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/30/25 11:04	05/01/25 01:42	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/30/25 11:04	05/01/25 01:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/30/25 11:04	05/01/25 01:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/30/25 11:04	05/01/25 01:42	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/30/25 11:04	05/01/25 01:42	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/30/25 11:04	05/01/25 01:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				04/30/25 11:04	05/01/25 01:42	1
1,4-Difluorobenzene (Surr)	94		70 - 130				04/30/25 11:04	05/01/25 01:42	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			05/01/25 01:42	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			05/01/25 12:17	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		04/30/25 08:25	05/01/25 12:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1	49.9		mg/Kg		04/30/25 08:25	05/01/25 12:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/30/25 08:25	05/01/25 12:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				04/30/25 08:25	05/01/25 12:17	1
o-Terphenyl	96		70 - 130				04/30/25 08:25	05/01/25 12:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	497		9.90		mg/Kg			04/30/25 18:38	1

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Client Sample Results

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 890-8042-1
SDG: Eddy Co New Mexico

Client Sample ID: S-2 (2.0)

Lab Sample ID: 890-8042-9

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/30/25 11:04	05/01/25 02:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/30/25 11:04	05/01/25 02:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/30/25 11:04	05/01/25 02:03	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/30/25 11:04	05/01/25 02:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/30/25 11:04	05/01/25 02:03	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/30/25 11:04	05/01/25 02:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	04/30/25 11:04	05/01/25 02:03	1
1,4-Difluorobenzene (Surr)	93		70 - 130	04/30/25 11:04	05/01/25 02:03	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			05/01/25 02:03	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			05/01/25 13:19	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	<49.8	U	49.8		mg/Kg		04/30/25 08:25	05/01/25 13:19	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/30/25 08:25	05/01/25 13:19	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/30/25 08:25	05/01/25 13:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	04/30/25 08:25	05/01/25 13:19	1
o-Terphenyl	96		70 - 130	04/30/25 08:25	05/01/25 13:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	197		10.1		mg/Kg			04/30/25 18:45	1

Client Sample ID: S-2 (3.0)

Lab Sample ID: 890-8042-10

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/30/25 11:04	05/01/25 02:23	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/30/25 11:04	05/01/25 02:23	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/30/25 11:04	05/01/25 02:23	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/30/25 11:04	05/01/25 02:23	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/30/25 11:04	05/01/25 02:23	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/30/25 11:04	05/01/25 02:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	04/30/25 11:04	05/01/25 02:23	1
1,4-Difluorobenzene (Surr)	90		70 - 130	04/30/25 11:04	05/01/25 02:23	1

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Client Sample Results

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 890-8042-1
SDG: Eddy Co New Mexico

Client Sample ID: S-2 (3.0)

Lab Sample ID: 890-8042-10

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			05/01/25 02:23	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			05/01/25 13:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/30/25 08:25	05/01/25 13:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/30/25 08:25	05/01/25 13:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/30/25 08:25	05/01/25 13:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				04/30/25 08:25	05/01/25 13:39	1
o-Terphenyl	101		70 - 130				04/30/25 08:25	05/01/25 13:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	180		10.1		mg/Kg			04/30/25 18:52	1

Client Sample ID: S-2 (4.0)

Lab Sample ID: 890-8042-11

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/30/25 11:04	05/01/25 03:46	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/30/25 11:04	05/01/25 03:46	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/30/25 11:04	05/01/25 03:46	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/30/25 11:04	05/01/25 03:46	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/30/25 11:04	05/01/25 03:46	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/30/25 11:04	05/01/25 03:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				04/30/25 11:04	05/01/25 03:46	1
1,4-Difluorobenzene (Surr)	92		70 - 130				04/30/25 11:04	05/01/25 03:46	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			05/01/25 03:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/01/25 14:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/30/25 08:25	05/01/25 14:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/30/25 08:25	05/01/25 14:00	1

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Client Sample Results

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 890-8042-1
SDG: Eddy Co New Mexico

Client Sample ID: S-2 (4.0)

Lab Sample ID: 890-8042-11

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

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		04/30/25 08:25	05/01/25 14:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				04/30/25 08:25	05/01/25 14:00	1
o-Terphenyl	94		70 - 130				04/30/25 08:25	05/01/25 14:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	816		9.98		mg/Kg			04/30/25 19:14	1

Client Sample ID: S-2 (4.5)

Lab Sample ID: 890-8042-12

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/30/25 11:04	05/01/25 04:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/30/25 11:04	05/01/25 04:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/30/25 11:04	05/01/25 04:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/30/25 11:04	05/01/25 04:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/30/25 11:04	05/01/25 04:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/30/25 11:04	05/01/25 04:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				04/30/25 11:04	05/01/25 04:07	1
1,4-Difluorobenzene (Surr)	94		70 - 130				04/30/25 11:04	05/01/25 04:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/01/25 04:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			05/01/25 14:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		04/30/25 08:25	05/01/25 14:21	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		04/30/25 08:25	05/01/25 14:21	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		04/30/25 08:25	05/01/25 14:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				04/30/25 08:25	05/01/25 14:21	1
o-Terphenyl	90		70 - 130				04/30/25 08:25	05/01/25 14:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	895		9.94		mg/Kg			04/30/25 19:21	1

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Client Sample Results

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 890-8042-1
SDG: Eddy Co New Mexico

Client Sample ID: S-3 (0-1.0)

Lab Sample ID: 890-8042-13

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/30/25 11:04	05/01/25 04:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/30/25 11:04	05/01/25 04:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/30/25 11:04	05/01/25 04:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/30/25 11:04	05/01/25 04:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/30/25 11:04	05/01/25 04:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/30/25 11:04	05/01/25 04:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	04/30/25 11:04	05/01/25 04:27	1
1,4-Difluorobenzene (Surr)	91		70 - 130	04/30/25 11:04	05/01/25 04:27	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			05/01/25 04:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/01/25 14:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/30/25 08:25	05/01/25 14:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/30/25 08:25	05/01/25 14:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/30/25 08:25	05/01/25 14:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	04/30/25 08:25	05/01/25 14:41	1
o-Terphenyl	99		70 - 130	04/30/25 08:25	05/01/25 14:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	394		9.98		mg/Kg			04/30/25 19:28	1

Client Sample ID: S-3 (1.5)

Lab Sample ID: 890-8042-14

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/30/25 11:04	05/01/25 04:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/30/25 11:04	05/01/25 04:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/30/25 11:04	05/01/25 04:48	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/30/25 11:04	05/01/25 04:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/30/25 11:04	05/01/25 04:48	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/30/25 11:04	05/01/25 04:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	04/30/25 11:04	05/01/25 04:48	1
1,4-Difluorobenzene (Surr)	90		70 - 130	04/30/25 11:04	05/01/25 04:48	1

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Client Sample Results

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 890-8042-1
SDG: Eddy Co New Mexico

Client Sample ID: S-3 (1.5)

Lab Sample ID: 890-8042-14

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

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			05/01/25 04:48	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			05/01/25 15:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/30/25 08:25	05/01/25 15:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/30/25 08:25	05/01/25 15:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/30/25 08:25	05/01/25 15:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				04/30/25 08:25	05/01/25 15:02	1
o-Terphenyl	102		70 - 130				04/30/25 08:25	05/01/25 15:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1430		10.1		mg/Kg			04/30/25 19:35	1

Client Sample ID: S-3 (2.0)

Lab Sample ID: 890-8042-15

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/30/25 11:04	05/01/25 05:08	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/30/25 11:04	05/01/25 05:08	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/30/25 11:04	05/01/25 05:08	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/30/25 11:04	05/01/25 05:08	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/30/25 11:04	05/01/25 05:08	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/30/25 11:04	05/01/25 05:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				04/30/25 11:04	05/01/25 05:08	1
1,4-Difluorobenzene (Surr)	86		70 - 130				04/30/25 11:04	05/01/25 05:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			05/01/25 05:08	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			05/01/25 15:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/30/25 08:25	05/01/25 15:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/30/25 08:25	05/01/25 15:23	1

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Client Sample Results

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 890-8042-1
SDG: Eddy Co New Mexico

Client Sample ID: S-3 (2.0)

Lab Sample ID: 890-8042-15

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/30/25 08:25	05/01/25 15:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				04/30/25 08:25	05/01/25 15:23	1
o-Terphenyl	94		70 - 130				04/30/25 08:25	05/01/25 15:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	210		9.98		mg/Kg			04/30/25 19:42	1

Client Sample ID: S-3 (3.0)

Lab Sample ID: 890-8042-16

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/30/25 11:04	05/01/25 05:29	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/30/25 11:04	05/01/25 05:29	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/30/25 11:04	05/01/25 05:29	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/30/25 11:04	05/01/25 05:29	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/30/25 11:04	05/01/25 05:29	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/30/25 11:04	05/01/25 05:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				04/30/25 11:04	05/01/25 05:29	1
1,4-Difluorobenzene (Surr)	92		70 - 130				04/30/25 11:04	05/01/25 05:29	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			05/01/25 05:29	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			05/01/25 15:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/30/25 08:25	05/01/25 15:44	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/30/25 08:25	05/01/25 15:44	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/30/25 08:25	05/01/25 15:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				04/30/25 08:25	05/01/25 15:44	1
o-Terphenyl	93		70 - 130				04/30/25 08:25	05/01/25 15:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	182	F1	10.0		mg/Kg			04/30/25 19:49	1

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Client Sample Results

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 890-8042-1
SDG: Eddy Co New Mexico

Client Sample ID: S-3 (4.0)

Lab Sample ID: 890-8042-17

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/30/25 11:04	05/01/25 05:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/30/25 11:04	05/01/25 05:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/30/25 11:04	05/01/25 05:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/30/25 11:04	05/01/25 05:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/30/25 11:04	05/01/25 05:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/30/25 11:04	05/01/25 05:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	04/30/25 11:04	05/01/25 05:49	1
1,4-Difluorobenzene (Surr)	94		70 - 130	04/30/25 11:04	05/01/25 05:49	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			05/01/25 05:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			05/01/25 16:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		04/30/25 08:25	05/01/25 16:04	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		04/30/25 08:25	05/01/25 16:04	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		04/30/25 08:25	05/01/25 16:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	04/30/25 08:25	05/01/25 16:04	1
o-Terphenyl	95		70 - 130	04/30/25 08:25	05/01/25 16:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	229		9.94		mg/Kg			04/30/25 20:11	1

Client Sample ID: S-3 (4.5)

Lab Sample ID: 890-8042-18

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/30/25 11:04	05/01/25 06:10	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/30/25 11:04	05/01/25 06:10	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/30/25 11:04	05/01/25 06:10	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		04/30/25 11:04	05/01/25 06:10	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/30/25 11:04	05/01/25 06:10	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		04/30/25 11:04	05/01/25 06:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	04/30/25 11:04	05/01/25 06:10	1
1,4-Difluorobenzene (Surr)	93		70 - 130	04/30/25 11:04	05/01/25 06:10	1

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Client Sample Results

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 890-8042-1
SDG: Eddy Co New Mexico

Client Sample ID: S-3 (4.5)

Lab Sample ID: 890-8042-18

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			05/01/25 06:10	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			05/01/25 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		04/30/25 08:25	05/01/25 16:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/30/25 08:25	05/01/25 16:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/30/25 08:25	05/01/25 16:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				04/30/25 08:25	05/01/25 16:46	1
o-Terphenyl	96		70 - 130				04/30/25 08:25	05/01/25 16:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	203		10.0		mg/Kg			04/30/25 20:18	1

Client Sample ID: S-4 (0-1.0)

Lab Sample ID: 890-8042-19

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/30/25 11:04	05/01/25 06:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/30/25 11:04	05/01/25 06:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/30/25 11:04	05/01/25 06:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/30/25 11:04	05/01/25 06:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/30/25 11:04	05/01/25 06:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/30/25 11:04	05/01/25 06:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				04/30/25 11:04	05/01/25 06:30	1
1,4-Difluorobenzene (Surr)	91		70 - 130				04/30/25 11:04	05/01/25 06:30	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			05/01/25 06:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/01/25 17:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/30/25 08:25	05/01/25 17:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/30/25 08:25	05/01/25 17:06	1

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Client Sample Results

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 890-8042-1
SDG: Eddy Co New Mexico

Client Sample ID: S-4 (0-1.0)

Lab Sample ID: 890-8042-19

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/30/25 08:25	05/01/25 17:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				04/30/25 08:25	05/01/25 17:06	1
o-Terphenyl	98		70 - 130				04/30/25 08:25	05/01/25 17:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	446		10.0		mg/Kg			04/30/25 20:39	1

Client Sample ID: S-4 (1.5)

Lab Sample ID: 890-8042-20

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/30/25 11:04	05/01/25 06:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/30/25 11:04	05/01/25 06:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/30/25 11:04	05/01/25 06:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/30/25 11:04	05/01/25 06:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/30/25 11:04	05/01/25 06:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/30/25 11:04	05/01/25 06:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				04/30/25 11:04	05/01/25 06:50	1
1,4-Difluorobenzene (Surr)	91		70 - 130				04/30/25 11:04	05/01/25 06:50	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			05/01/25 06:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/01/25 17:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/30/25 08:25	05/01/25 17:27	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/30/25 08:25	05/01/25 17:27	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/30/25 08:25	05/01/25 17:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				04/30/25 08:25	05/01/25 17:27	1
o-Terphenyl	96		70 - 130				04/30/25 08:25	05/01/25 17:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	785		10.0		mg/Kg			04/30/25 20:47	1

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Client Sample Results

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 890-8042-1
SDG: Eddy Co New Mexico

Client Sample ID: S-4 (2.0)

Lab Sample ID: 890-8042-21

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

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		05/01/25 08:11	05/01/25 13:18	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/01/25 08:11	05/01/25 13:18	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/01/25 08:11	05/01/25 13:18	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/01/25 08:11	05/01/25 13:18	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/01/25 08:11	05/01/25 13:18	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/01/25 08:11	05/01/25 13:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	05/01/25 08:11	05/01/25 13:18	1
1,4-Difluorobenzene (Surr)	87		70 - 130	05/01/25 08:11	05/01/25 13:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			05/01/25 13:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/01/25 17:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		04/30/25 08:25	05/01/25 17:47	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		04/30/25 08:25	05/01/25 17:47	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		04/30/25 08:25	05/01/25 17:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	04/30/25 08:25	05/01/25 17:47	1
o-Terphenyl	94		70 - 130	04/30/25 08:25	05/01/25 17:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1370		49.9		mg/Kg			05/01/25 13:05	5

Client Sample ID: S-4 (3.0)

Lab Sample ID: 890-8042-22

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/01/25 08:11	05/01/25 13:39	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/01/25 08:11	05/01/25 13:39	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/01/25 08:11	05/01/25 13:39	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/01/25 08:11	05/01/25 13:39	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/01/25 08:11	05/01/25 13:39	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/01/25 08:11	05/01/25 13:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	05/01/25 08:11	05/01/25 13:39	1
1,4-Difluorobenzene (Surr)	88		70 - 130	05/01/25 08:11	05/01/25 13:39	1

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Client Sample Results

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 890-8042-1
SDG: Eddy Co New Mexico

Client Sample ID: S-4 (3.0)

Lab Sample ID: 890-8042-22

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			05/01/25 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	<50.0	U	50.0		mg/Kg			05/01/25 18:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/30/25 08:25	05/01/25 18:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/30/25 08:25	05/01/25 18:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/30/25 08:25	05/01/25 18:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				04/30/25 08:25	05/01/25 18:08	1
o-Terphenyl	100		70 - 130				04/30/25 08:25	05/01/25 18:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	275		9.90		mg/Kg			04/30/25 21:01	1

Client Sample ID: S-4 (4.0)

Lab Sample ID: 890-8042-23

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

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		05/01/25 08:11	05/01/25 13:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/01/25 08:11	05/01/25 13:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/01/25 08:11	05/01/25 13:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/01/25 08:11	05/01/25 13:59	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/01/25 08:11	05/01/25 13:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/01/25 08:11	05/01/25 13:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				05/01/25 08:11	05/01/25 13:59	1
1,4-Difluorobenzene (Surr)	90		70 - 130				05/01/25 08:11	05/01/25 13:59	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			05/01/25 13:59	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			05/01/25 18:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/30/25 08:25	05/01/25 18:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/30/25 08:25	05/01/25 18:28	1

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Client Sample Results

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 890-8042-1
SDG: Eddy Co New Mexico

Client Sample ID: S-4 (4.0)

Lab Sample ID: 890-8042-23

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

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		04/30/25 08:25	05/01/25 18:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				04/30/25 08:25	05/01/25 18:28	1
o-Terphenyl	102		70 - 130				04/30/25 08:25	05/01/25 18:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	883		10.1		mg/Kg			04/30/25 21:08	1

Client Sample ID: S-4 (4.5)

Lab Sample ID: 890-8042-24

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

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		05/01/25 08:11	05/01/25 14:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/01/25 08:11	05/01/25 14:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/01/25 08:11	05/01/25 14:20	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/01/25 08:11	05/01/25 14:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/01/25 08:11	05/01/25 14:20	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/01/25 08:11	05/01/25 14:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				05/01/25 08:11	05/01/25 14:20	1
1,4-Difluorobenzene (Surr)	84		70 - 130				05/01/25 08:11	05/01/25 14:20	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/01/25 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	<49.8	U	49.8		mg/Kg			05/01/25 18:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/30/25 08:25	05/01/25 18:49	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/30/25 08:25	05/01/25 18:49	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/30/25 08:25	05/01/25 18:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				04/30/25 08:25	05/01/25 18:49	1
o-Terphenyl	100		70 - 130				04/30/25 08:25	05/01/25 18:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1410		10.1		mg/Kg			04/30/25 21:15	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 890-8042-1
SDG: Eddy Co New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
880-56959-A-17-A MB	Method Blank	84	91
890-8042-1	S-1 (0-1.0)	87	92
890-8042-1 MS	S-1 (0-1.0)	106	93
890-8042-1 MSD	S-1 (0-1.0)	89	103
890-8042-2	S-1 (1.5)	88	88
890-8042-3	S-1 (2.0)	88	91
890-8042-4	S-1(3.0)	89	95
890-8042-5	S-1 (4.0)	93	91
890-8042-6	S-1 (4.5)	95	86
890-8042-7	S-2 (0-1.0)	88	93
890-8042-8	S-2 (1.5)	92	94
890-8042-9	S-2 (2.0)	90	93
890-8042-10	S-2 (3.0)	92	90
890-8042-11	S-2 (4.0)	94	92
890-8042-12	S-2 (4.5)	91	94
890-8042-13	S-3 (0-1.0)	91	91
890-8042-14	S-3 (1.5)	88	90
890-8042-15	S-3 (2.0)	91	86
890-8042-16	S-3 (3.0)	90	92
890-8042-17	S-3 (4.0)	88	94
890-8042-18	S-3 (4.5)	89	93
890-8042-19	S-4 (0-1.0)	89	91
890-8042-20	S-4 (1.5)	91	91
890-8042-21	S-4 (2.0)	97	87
890-8042-22	S-4 (3.0)	105	88
890-8042-23	S-4 (4.0)	99	90
890-8042-24	S-4 (4.5)	103	84
890-8052-A-6-C MS	Matrix Spike	100	90
890-8052-A-6-D MSD	Matrix Spike Duplicate	99	95
LCS 880-109080/1-A	Lab Control Sample	109	108
LCS 880-109135/1-A	Lab Control Sample	101	89
LCSD 880-109080/2-A	Lab Control Sample Dup	106	94
LCSD 880-109135/2-A	Lab Control Sample Dup	101	93
MB 880-109080/5-A	Method Blank	89	93
MB 880-109135/5-A	Method Blank	89	82
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1	OTPH1
		(70-130)	(70-130)
880-57466-A-27-C MS	Matrix Spike	35 S1-	29 S1-
880-57466-A-27-D MSD	Matrix Spike Duplicate	43 S1-	37 S1-
890-8042-1	S-1 (0-1.0)	73	70
890-8042-2	S-1 (1.5)	84	81

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Surrogate Summary

Client: Carmona Resources

Job ID: 890-8042-1

Project/Site: South Culebra Bluff Unit #006

SDG: Eddy Co New Mexico

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-8042-3	S-1 (2.0)	69 S1-	71
890-8042-4	S-1 (3.0)	74	75
890-8042-5	S-1 (4.0)	71	73
890-8042-6	S-1 (4.5)	69 S1-	67 S1-
890-8042-7	S-2 (0-1.0)	86	83
890-8042-8	S-2 (1.5)	99	96
890-8042-8 MS	S-2 (1.5)	95	84
890-8042-8 MSD	S-2 (1.5)	97	86
890-8042-9	S-2 (2.0)	98	96
890-8042-10	S-2 (3.0)	104	101
890-8042-11	S-2 (4.0)	96	94
890-8042-12	S-2 (4.5)	92	90
890-8042-13	S-3 (0-1.0)	101	99
890-8042-14	S-3 (1.5)	110	102
890-8042-15	S-3 (2.0)	96	94
890-8042-16	S-3 (3.0)	95	93
890-8042-17	S-3 (4.0)	97	95
890-8042-18	S-3 (4.5)	99	96
890-8042-19	S-4 (0-1.0)	101	98
890-8042-20	S-4 (1.5)	98	96
890-8042-21	S-4 (2.0)	97	94
890-8042-22	S-4 (3.0)	103	100
890-8042-23	S-4 (4.0)	104	102
890-8042-24	S-4 (4.5)	103	100
LCS 880-108994/2-A	Lab Control Sample	21 S1-	14 S1-
LCS 880-109026/2-A	Lab Control Sample	292 S1+	279 S1+
LCSD 880-108994/3-A	Lab Control Sample Dup	18 S1-	13 S1-
LCSD 880-109026/3-A	Lab Control Sample Dup	418 S1+	404 S1+
MB 880-108994/1-A	Method Blank	142 S1+	137 S1+
MB 880-109026/1-A	Method Blank	149 S1+	137 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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QC Sample Results

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 890-8042-1
SDG: Eddy Co New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: 880-56959-A-17-A MB

Matrix: Solid

Analysis Batch: 109033

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 108996

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/30/25 08:00	04/30/25 17:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/30/25 08:00	04/30/25 17:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/30/25 08:00	04/30/25 17:10	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/30/25 08:00	04/30/25 17:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/30/25 08:00	04/30/25 17:10	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/30/25 08:00	04/30/25 17:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	04/30/25 08:00	04/30/25 17:10	1
1,4-Difluorobenzene (Surr)	91		70 - 130	04/30/25 08:00	04/30/25 17:10	1

Lab Sample ID: MB 880-109080/5-A

Matrix: Solid

Analysis Batch: 109033

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 109080

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/30/25 11:04	04/30/25 22:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/30/25 11:04	04/30/25 22:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/30/25 11:04	04/30/25 22:57	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/30/25 11:04	04/30/25 22:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/30/25 11:04	04/30/25 22:57	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/30/25 11:04	04/30/25 22:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	04/30/25 11:04	04/30/25 22:57	1
1,4-Difluorobenzene (Surr)	93		70 - 130	04/30/25 11:04	04/30/25 22:57	1

Lab Sample ID: LCS 880-109080/1-A

Matrix: Solid

Analysis Batch: 109033

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 109080

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1127		mg/Kg		113	70 - 130
Toluene	0.100	0.1035		mg/Kg		103	70 - 130
Ethylbenzene	0.100	0.1249		mg/Kg		125	70 - 130
m-Xylene & p-Xylene	0.200	0.2412		mg/Kg		121	70 - 130
o-Xylene	0.100	0.1226		mg/Kg		123	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: LCSD 880-109080/2-A

Matrix: Solid

Analysis Batch: 109033

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 109080

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1001		mg/Kg		100	70 - 130	12	35

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QC Sample Results

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 890-8042-1
SDG: Eddy Co New Mexico

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

Lab Sample ID: LCSD 880-109080/2-A

Matrix: Solid

Analysis Batch: 109033

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 109080

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.08478		mg/Kg		85	70 - 130	20	35
Ethylbenzene	0.100	0.09868		mg/Kg		99	70 - 130	23	35
m-Xylene & p-Xylene	0.200	0.2077		mg/Kg		104	70 - 130	15	35
o-Xylene	0.100	0.1057		mg/Kg		106	70 - 130	15	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 890-8042-1 MS

Matrix: Solid

Analysis Batch: 109033

Client Sample ID: S-1 (0-1.0)

Prep Type: Total/NA

Prep Batch: 109080

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.08924		mg/Kg		89	70 - 130
Toluene	<0.00200	U	0.100	0.07099		mg/Kg		71	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.07961		mg/Kg		80	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1476		mg/Kg		74	70 - 130
o-Xylene	<0.00200	U	0.100	0.07670		mg/Kg		77	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: 890-8042-1 MSD

Matrix: Solid

Analysis Batch: 109033

Client Sample ID: S-1 (0-1.0)

Prep Type: Total/NA

Prep Batch: 109080

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	0.09636		mg/Kg		96	70 - 130	8	35
Toluene	<0.00200	U	0.100	0.07278		mg/Kg		73	70 - 130	2	35
Ethylbenzene	<0.00200	U	0.100	0.07217		mg/Kg		72	70 - 130	10	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1394		mg/Kg		70	70 - 130	6	35
o-Xylene	<0.00200	U	0.100	0.06962		mg/Kg		70	70 - 130	10	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	89		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: MB 880-109135/5-A

Matrix: Solid

Analysis Batch: 109139

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 109135

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/01/25 08:11	05/01/25 11:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/01/25 08:11	05/01/25 11:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/01/25 08:11	05/01/25 11:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/01/25 08:11	05/01/25 11:15	1

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QC Sample Results

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 890-8042-1
SDG: Eddy Co New Mexico

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

Lab Sample ID: MB 880-109135/5-A

Matrix: Solid

Analysis Batch: 109139

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 109135

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/01/25 08:11	05/01/25 11:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/01/25 08:11	05/01/25 11:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	05/01/25 08:11	05/01/25 11:15	1
1,4-Difluorobenzene (Surr)	82		70 - 130	05/01/25 08:11	05/01/25 11:15	1

Lab Sample ID: LCS 880-109135/1-A

Matrix: Solid

Analysis Batch: 109139

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 109135

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.07379		mg/Kg		74	70 - 130
Toluene	0.100	0.07156		mg/Kg		72	70 - 130
Ethylbenzene	0.100	0.07525		mg/Kg		75	70 - 130
m-Xylene & p-Xylene	0.200	0.1588		mg/Kg		79	70 - 130
o-Xylene	0.100	0.07608		mg/Kg		76	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: LCSD 880-109135/2-A

Matrix: Solid

Analysis Batch: 109139

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 109135

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.07664		mg/Kg		77	70 - 130	4	35
Toluene	0.100	0.07569		mg/Kg		76	70 - 130	6	35
Ethylbenzene	0.100	0.07767		mg/Kg		78	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1611		mg/Kg		81	70 - 130	1	35
o-Xylene	0.100	0.07694		mg/Kg		77	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: 890-8052-A-6-C MS

Matrix: Solid

Analysis Batch: 109139

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 109135

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.08030		mg/Kg		80	70 - 130
Toluene	<0.00200	U	0.100	0.08639		mg/Kg		86	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.08936		mg/Kg		89	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1841		mg/Kg		92	70 - 130
o-Xylene	<0.00200	U	0.100	0.08608		mg/Kg		86	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 890-8042-1
SDG: Eddy Co New Mexico

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

Lab Sample ID: 890-8052-A-6-C MS

Matrix: Solid

Analysis Batch: 109139

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 109135

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: 890-8052-A-6-D MSD

Matrix: Solid

Analysis Batch: 109139

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 109135

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	0.08546		mg/Kg		85	70 - 130	6	35
Toluene	<0.00200	U	0.100	0.08924		mg/Kg		89	70 - 130	3	35
Ethylbenzene	<0.00200	U	0.100	0.09264		mg/Kg		93	70 - 130	4	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1913		mg/Kg		96	70 - 130	4	35
o-Xylene	<0.00200	U	0.100	0.08898		mg/Kg		89	70 - 130	3	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

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

Lab Sample ID: MB 880-108994/1-A

Matrix: Solid

Analysis Batch: 109154

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 108994

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/29/25 15:11	05/01/25 08:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/29/25 15:11	05/01/25 08:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/29/25 15:11	05/01/25 08:38	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	142	S1+	70 - 130	04/29/25 15:11	05/01/25 08:38	1			
o-Terphenyl	137	S1+	70 - 130	04/29/25 15:11	05/01/25 08:38	1			

Lab Sample ID: LCS 880-108994/2-A

Matrix: Solid

Analysis Batch: 109154

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 108994

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	1057		mg/Kg		106	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1166		mg/Kg		117	70 - 130		

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	21	S1-	70 - 130
o-Terphenyl	14	S1-	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 890-8042-1
SDG: Eddy Co New Mexico

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

Lab Sample ID: LCSD 880-108994/3-A

Matrix: Solid

Analysis Batch: 109154

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 108994

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	974.8		mg/Kg		97	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	1000	1076		mg/Kg		108	70 - 130	8	20
		LCSD %Recovery	LCSD Qualifier						
Surrogate									
1-Chlorooctane		18	S1-						
o-Terphenyl		13	S1-						

Lab Sample ID: 880-57466-A-27-C MS

Matrix: Solid

Analysis Batch: 109154

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 108994

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	998	541.1	F1	mg/Kg		54	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U F1 F2	998	258.8	F1	mg/Kg		26	70 - 130		
		MS %Recovery	MS Qualifier								
Surrogate											
1-Chlorooctane		35	S1-								
o-Terphenyl		29	S1-								

Lab Sample ID: 880-57466-A-27-D MSD

Matrix: Solid

Analysis Batch: 109154

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 108994

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	998	610.2	F1	mg/Kg		61	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1 F2	998	321.2	F1 F2	mg/Kg		32	70 - 130	22	20
		MSD %Recovery	MSD Qualifier								
Surrogate											
1-Chlorooctane		43	S1-								
o-Terphenyl		37	S1-								

Lab Sample ID: MB 880-109026/1-A

Matrix: Solid

Analysis Batch: 109150

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 109026

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/30/25 08:25	05/01/25 08:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/30/25 08:25	05/01/25 08:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/30/25 08:25	05/01/25 08:38	1

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QC Sample Results

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 890-8042-1
SDG: Eddy Co New Mexico

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

Lab Sample ID: MB 880-109026/1-A

Matrix: Solid

Analysis Batch: 109150

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 109026

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac			
1-Chlorooctane	149	S1+	70 - 130	04/30/25 08:25	05/01/25 08:38	1				
o-Terphenyl	137	S1+	70 - 130	04/30/25 08:25	05/01/25 08:38	1				

Lab Sample ID: LCS 880-109026/2-A

Matrix: Solid

Analysis Batch: 109150

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 109026

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	918.3		mg/Kg		92	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	976.0		mg/Kg		98	70 - 130		

	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	292	S1+	70 - 130								
o-Terphenyl	279	S1+	70 - 130								

Lab Sample ID: LCSD 880-109026/3-A

Matrix: Solid

Analysis Batch: 109150

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 109026

			Spike	LCSD	LCSD				%Rec		RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	978.0		mg/Kg		98	70 - 130	6	20	
Diesel Range Organics (Over C10-C28)			1000	1012		mg/Kg		101	70 - 130	4	20	

	LCSD	LCSD										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	418	S1+	70 - 130									
o-Terphenyl	404	S1+	70 - 130									

Lab Sample ID: 890-8042-8 MS

Matrix: Solid

Analysis Batch: 109150

Client Sample ID: S-2 (1.5)

Prep Type: Total/NA

Prep Batch: 109026

	Sample	Sample	Spike	MS	MS				%Rec			
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	1192		mg/Kg		120	70 - 130			
Diesel Range Organics (Over C10-C28)	<49.9	U F1	996	708.5	F1	mg/Kg		69	70 - 130			

	MS	MS										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	95		70 - 130									
o-Terphenyl	84		70 - 130									

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QC Sample Results

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 890-8042-1
SDG: Eddy Co New Mexico

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

Lab Sample ID: 890-8042-8 MSD

Matrix: Solid

Analysis Batch: 109150

Client Sample ID: S-2 (1.5)

Prep Type: Total/NA

Prep Batch: 109026

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	996	1188		mg/Kg		119	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	996	723.4		mg/Kg		70	70 - 130	2	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	97		70 - 130								
o-Terphenyl	86		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-109074/1-A

Matrix: Solid

Analysis Batch: 109083

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			04/30/25 16:42	1

Lab Sample ID: LCS 880-109074/2-A

Matrix: Solid

Analysis Batch: 109083

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	260.0		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-109074/3-A

Matrix: Solid

Analysis Batch: 109083

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	239.7		mg/Kg		96	90 - 110	8	20

Lab Sample ID: 880-57467-A-5-C MS

Matrix: Solid

Analysis Batch: 109083

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	257	F1	252	547.0	F1	mg/Kg		115	90 - 110

Lab Sample ID: 880-57467-A-5-D MSD

Matrix: Solid

Analysis Batch: 109083

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	257	F1	252	584.9	F1	mg/Kg		130	90 - 110	7	20

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QC Sample Results

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 890-8042-1
SDG: Eddy Co New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-109078/1-A

Matrix: Solid

Analysis Batch: 109084

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			04/30/25 17:48	1

Lab Sample ID: LCS 880-109078/2-A

Matrix: Solid

Analysis Batch: 109084

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	238.3		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-109078/3-A

Matrix: Solid

Analysis Batch: 109084

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	241.3		mg/Kg		97	90 - 110	1	20

Lab Sample ID: 890-8042-6 MS

Matrix: Solid

Analysis Batch: 109084

Client Sample ID: S-1 (4.5)

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	185		251	432.8		mg/Kg		99	90 - 110

Lab Sample ID: 890-8042-6 MSD

Matrix: Solid

Analysis Batch: 109084

Client Sample ID: S-1 (4.5)

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	185		251	429.0		mg/Kg		97	90 - 110	1	20

Lab Sample ID: 890-8042-16 MS

Matrix: Solid

Analysis Batch: 109084

Client Sample ID: S-3 (3.0)

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	182	F1	251	408.7		mg/Kg		91	90 - 110

Lab Sample ID: 890-8042-16 MSD

Matrix: Solid

Analysis Batch: 109084

Client Sample ID: S-3 (3.0)

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	182	F1	251	402.8	F1	mg/Kg		88	90 - 110	1	20

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QC Association Summary

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 890-8042-1
SDG: Eddy Co New Mexico

GC VOA

Prep Batch: 108996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56959-A-17-A MB	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 109033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8042-1	S-1 (0-1.0)	Total/NA	Solid	8021B	109080
890-8042-2	S-1 (1.5)	Total/NA	Solid	8021B	109080
890-8042-3	S-1 (2.0)	Total/NA	Solid	8021B	109080
890-8042-4	S-1 (3.0)	Total/NA	Solid	8021B	109080
890-8042-5	S-1 (4.0)	Total/NA	Solid	8021B	109080
890-8042-6	S-1 (4.5)	Total/NA	Solid	8021B	109080
890-8042-7	S-2 (0-1.0)	Total/NA	Solid	8021B	109080
890-8042-8	S-2 (1.5)	Total/NA	Solid	8021B	109080
890-8042-9	S-2 (2.0)	Total/NA	Solid	8021B	109080
890-8042-10	S-2 (3.0)	Total/NA	Solid	8021B	109080
890-8042-11	S-2 (4.0)	Total/NA	Solid	8021B	109080
890-8042-12	S-2 (4.5)	Total/NA	Solid	8021B	109080
890-8042-13	S-3 (0-1.0)	Total/NA	Solid	8021B	109080
890-8042-14	S-3 (1.5)	Total/NA	Solid	8021B	109080
890-8042-15	S-3 (2.0)	Total/NA	Solid	8021B	109080
890-8042-16	S-3 (3.0)	Total/NA	Solid	8021B	109080
890-8042-17	S-3 (4.0)	Total/NA	Solid	8021B	109080
890-8042-18	S-3 (4.5)	Total/NA	Solid	8021B	109080
890-8042-19	S-4 (0-1.0)	Total/NA	Solid	8021B	109080
890-8042-20	S-4 (1.5)	Total/NA	Solid	8021B	109080
880-56959-A-17-A MB	Method Blank	Total/NA	Solid	8021B	108996
MB 880-109080/5-A	Method Blank	Total/NA	Solid	8021B	109080
LCS 880-109080/1-A	Lab Control Sample	Total/NA	Solid	8021B	109080
LCSD 880-109080/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	109080
890-8042-1 MS	S-1 (0-1.0)	Total/NA	Solid	8021B	109080
890-8042-1 MSD	S-1 (0-1.0)	Total/NA	Solid	8021B	109080

Prep Batch: 109080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8042-1	S-1 (0-1.0)	Total/NA	Solid	5035	
890-8042-2	S-1 (1.5)	Total/NA	Solid	5035	
890-8042-3	S-1 (2.0)	Total/NA	Solid	5035	
890-8042-4	S-1 (3.0)	Total/NA	Solid	5035	
890-8042-5	S-1 (4.0)	Total/NA	Solid	5035	
890-8042-6	S-1 (4.5)	Total/NA	Solid	5035	
890-8042-7	S-2 (0-1.0)	Total/NA	Solid	5035	
890-8042-8	S-2 (1.5)	Total/NA	Solid	5035	
890-8042-9	S-2 (2.0)	Total/NA	Solid	5035	
890-8042-10	S-2 (3.0)	Total/NA	Solid	5035	
890-8042-11	S-2 (4.0)	Total/NA	Solid	5035	
890-8042-12	S-2 (4.5)	Total/NA	Solid	5035	
890-8042-13	S-3 (0-1.0)	Total/NA	Solid	5035	
890-8042-14	S-3 (1.5)	Total/NA	Solid	5035	
890-8042-15	S-3 (2.0)	Total/NA	Solid	5035	
890-8042-16	S-3 (3.0)	Total/NA	Solid	5035	
890-8042-17	S-3 (4.0)	Total/NA	Solid	5035	
890-8042-18	S-3 (4.5)	Total/NA	Solid	5035	

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QC Association Summary

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 890-8042-1
SDG: Eddy Co New Mexico

GC VOA (Continued)

Prep Batch: 109080 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8042-19	S-4 (0-1.0)	Total/NA	Solid	5035	
890-8042-20	S-4 (1.5)	Total/NA	Solid	5035	
MB 880-109080/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-109080/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-109080/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8042-1 MS	S-1 (0-1.0)	Total/NA	Solid	5035	
890-8042-1 MSD	S-1 (0-1.0)	Total/NA	Solid	5035	

Prep Batch: 109135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8042-21	S-4 (2.0)	Total/NA	Solid	5035	
890-8042-22	S-4 (3.0)	Total/NA	Solid	5035	
890-8042-23	S-4 (4.0)	Total/NA	Solid	5035	
890-8042-24	S-4 (4.5)	Total/NA	Solid	5035	
MB 880-109135/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-109135/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-109135/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8052-A-6-C MS	Matrix Spike	Total/NA	Solid	5035	
890-8052-A-6-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 109139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8042-21	S-4 (2.0)	Total/NA	Solid	8021B	109135
890-8042-22	S-4 (3.0)	Total/NA	Solid	8021B	109135
890-8042-23	S-4 (4.0)	Total/NA	Solid	8021B	109135
890-8042-24	S-4 (4.5)	Total/NA	Solid	8021B	109135
MB 880-109135/5-A	Method Blank	Total/NA	Solid	8021B	109135
LCS 880-109135/1-A	Lab Control Sample	Total/NA	Solid	8021B	109135
LCSD 880-109135/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	109135
890-8052-A-6-C MS	Matrix Spike	Total/NA	Solid	8021B	109135
890-8052-A-6-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	109135

Analysis Batch: 109235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8042-1	S-1 (0-1.0)	Total/NA	Solid	Total BTEX	
890-8042-2	S-1 (1.5)	Total/NA	Solid	Total BTEX	
890-8042-3	S-1 (2.0)	Total/NA	Solid	Total BTEX	
890-8042-4	S-1(3.0)	Total/NA	Solid	Total BTEX	
890-8042-5	S-1 (4.0)	Total/NA	Solid	Total BTEX	
890-8042-6	S-1 (4.5)	Total/NA	Solid	Total BTEX	
890-8042-7	S-2 (0-1.0)	Total/NA	Solid	Total BTEX	
890-8042-8	S-2 (1.5)	Total/NA	Solid	Total BTEX	
890-8042-9	S-2 (2.0)	Total/NA	Solid	Total BTEX	
890-8042-10	S-2 (3.0)	Total/NA	Solid	Total BTEX	
890-8042-11	S-2 (4.0)	Total/NA	Solid	Total BTEX	
890-8042-12	S-2 (4.5)	Total/NA	Solid	Total BTEX	
890-8042-13	S-3 (0-1.0)	Total/NA	Solid	Total BTEX	
890-8042-14	S-3 (1.5)	Total/NA	Solid	Total BTEX	
890-8042-15	S-3 (2.0)	Total/NA	Solid	Total BTEX	
890-8042-16	S-3 (3.0)	Total/NA	Solid	Total BTEX	
890-8042-17	S-3 (4.0)	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 890-8042-1
SDG: Eddy Co New Mexico

GC VOA (Continued)

Analysis Batch: 109235 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8042-18	S-3 (4.5)	Total/NA	Solid	Total BTEX	
890-8042-19	S-4 (0-1.0)	Total/NA	Solid	Total BTEX	
890-8042-20	S-4 (1.5)	Total/NA	Solid	Total BTEX	
890-8042-21	S-4 (2.0)	Total/NA	Solid	Total BTEX	
890-8042-22	S-4 (3.0)	Total/NA	Solid	Total BTEX	
890-8042-23	S-4 (4.0)	Total/NA	Solid	Total BTEX	
890-8042-24	S-4 (4.5)	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 108994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8042-1	S-1 (0-1.0)	Total/NA	Solid	8015NM Prep	
890-8042-2	S-1 (1.5)	Total/NA	Solid	8015NM Prep	
890-8042-3	S-1 (2.0)	Total/NA	Solid	8015NM Prep	
890-8042-4	S-1 (3.0)	Total/NA	Solid	8015NM Prep	
890-8042-5	S-1 (4.0)	Total/NA	Solid	8015NM Prep	
890-8042-6	S-1 (4.5)	Total/NA	Solid	8015NM Prep	
890-8042-7	S-2 (0-1.0)	Total/NA	Solid	8015NM Prep	
MB 880-108994/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-108994/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-108994/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-57466-A-27-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-57466-A-27-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 109026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8042-8	S-2 (1.5)	Total/NA	Solid	8015NM Prep	
890-8042-9	S-2 (2.0)	Total/NA	Solid	8015NM Prep	
890-8042-10	S-2 (3.0)	Total/NA	Solid	8015NM Prep	
890-8042-11	S-2 (4.0)	Total/NA	Solid	8015NM Prep	
890-8042-12	S-2 (4.5)	Total/NA	Solid	8015NM Prep	
890-8042-13	S-3 (0-1.0)	Total/NA	Solid	8015NM Prep	
890-8042-14	S-3 (1.5)	Total/NA	Solid	8015NM Prep	
890-8042-15	S-3 (2.0)	Total/NA	Solid	8015NM Prep	
890-8042-16	S-3 (3.0)	Total/NA	Solid	8015NM Prep	
890-8042-17	S-3 (4.0)	Total/NA	Solid	8015NM Prep	
890-8042-18	S-3 (4.5)	Total/NA	Solid	8015NM Prep	
890-8042-19	S-4 (0-1.0)	Total/NA	Solid	8015NM Prep	
890-8042-20	S-4 (1.5)	Total/NA	Solid	8015NM Prep	
890-8042-21	S-4 (2.0)	Total/NA	Solid	8015NM Prep	
890-8042-22	S-4 (3.0)	Total/NA	Solid	8015NM Prep	
890-8042-23	S-4 (4.0)	Total/NA	Solid	8015NM Prep	
890-8042-24	S-4 (4.5)	Total/NA	Solid	8015NM Prep	
MB 880-109026/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-109026/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-109026/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8042-8 MS	S-2 (1.5)	Total/NA	Solid	8015NM Prep	
890-8042-8 MSD	S-2 (1.5)	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 890-8042-1
SDG: Eddy Co New Mexico

GC Semi VOA

Analysis Batch: 109150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8042-8	S-2 (1.5)	Total/NA	Solid	8015B NM	109026
890-8042-9	S-2 (2.0)	Total/NA	Solid	8015B NM	109026
890-8042-10	S-2 (3.0)	Total/NA	Solid	8015B NM	109026
890-8042-11	S-2 (4.0)	Total/NA	Solid	8015B NM	109026
890-8042-12	S-2 (4.5)	Total/NA	Solid	8015B NM	109026
890-8042-13	S-3 (0-1.0)	Total/NA	Solid	8015B NM	109026
890-8042-14	S-3 (1.5)	Total/NA	Solid	8015B NM	109026
890-8042-15	S-3 (2.0)	Total/NA	Solid	8015B NM	109026
890-8042-16	S-3 (3.0)	Total/NA	Solid	8015B NM	109026
890-8042-17	S-3 (4.0)	Total/NA	Solid	8015B NM	109026
890-8042-18	S-3 (4.5)	Total/NA	Solid	8015B NM	109026
890-8042-19	S-4 (0-1.0)	Total/NA	Solid	8015B NM	109026
890-8042-20	S-4 (1.5)	Total/NA	Solid	8015B NM	109026
890-8042-21	S-4 (2.0)	Total/NA	Solid	8015B NM	109026
890-8042-22	S-4 (3.0)	Total/NA	Solid	8015B NM	109026
890-8042-23	S-4 (4.0)	Total/NA	Solid	8015B NM	109026
890-8042-24	S-4 (4.5)	Total/NA	Solid	8015B NM	109026
MB 880-109026/1-A	Method Blank	Total/NA	Solid	8015B NM	109026
LCS 880-109026/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	109026
LCSD 880-109026/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	109026
890-8042-8 MS	S-2 (1.5)	Total/NA	Solid	8015B NM	109026
890-8042-8 MSD	S-2 (1.5)	Total/NA	Solid	8015B NM	109026

Analysis Batch: 109154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8042-1	S-1 (0-1.0)	Total/NA	Solid	8015B NM	108994
890-8042-2	S-1 (1.5)	Total/NA	Solid	8015B NM	108994
890-8042-3	S-1 (2.0)	Total/NA	Solid	8015B NM	108994
890-8042-4	S-1(3.0)	Total/NA	Solid	8015B NM	108994
890-8042-5	S-1 (4.0)	Total/NA	Solid	8015B NM	108994
890-8042-6	S-1 (4.5)	Total/NA	Solid	8015B NM	108994
890-8042-7	S-2 (0-1.0)	Total/NA	Solid	8015B NM	108994
MB 880-108994/1-A	Method Blank	Total/NA	Solid	8015B NM	108994
LCS 880-108994/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	108994
LCSD 880-108994/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	108994
880-57466-A-27-C MS	Matrix Spike	Total/NA	Solid	8015B NM	108994
880-57466-A-27-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	108994

Analysis Batch: 109347

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8042-1	S-1 (0-1.0)	Total/NA	Solid	8015 NM	
890-8042-2	S-1 (1.5)	Total/NA	Solid	8015 NM	
890-8042-3	S-1 (2.0)	Total/NA	Solid	8015 NM	
890-8042-4	S-1(3.0)	Total/NA	Solid	8015 NM	
890-8042-5	S-1 (4.0)	Total/NA	Solid	8015 NM	
890-8042-6	S-1 (4.5)	Total/NA	Solid	8015 NM	
890-8042-7	S-2 (0-1.0)	Total/NA	Solid	8015 NM	
890-8042-8	S-2 (1.5)	Total/NA	Solid	8015 NM	
890-8042-9	S-2 (2.0)	Total/NA	Solid	8015 NM	
890-8042-10	S-2 (3.0)	Total/NA	Solid	8015 NM	
890-8042-11	S-2 (4.0)	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 890-8042-1
SDG: Eddy Co New Mexico

GC Semi VOA (Continued)

Analysis Batch: 109347 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8042-12	S-2 (4.5)	Total/NA	Solid	8015 NM	
890-8042-13	S-3 (0-1.0)	Total/NA	Solid	8015 NM	
890-8042-14	S-3 (1.5)	Total/NA	Solid	8015 NM	
890-8042-15	S-3 (2.0)	Total/NA	Solid	8015 NM	
890-8042-16	S-3 (3.0)	Total/NA	Solid	8015 NM	
890-8042-17	S-3 (4.0)	Total/NA	Solid	8015 NM	
890-8042-18	S-3 (4.5)	Total/NA	Solid	8015 NM	
890-8042-19	S-4 (0-1.0)	Total/NA	Solid	8015 NM	
890-8042-20	S-4 (1.5)	Total/NA	Solid	8015 NM	
890-8042-21	S-4 (2.0)	Total/NA	Solid	8015 NM	
890-8042-22	S-4 (3.0)	Total/NA	Solid	8015 NM	
890-8042-23	S-4 (4.0)	Total/NA	Solid	8015 NM	
890-8042-24	S-4 (4.5)	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 109074

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8042-1	S-1 (0-1.0)	Soluble	Solid	DI Leach	
890-8042-2	S-1 (1.5)	Soluble	Solid	DI Leach	
890-8042-3	S-1 (2.0)	Soluble	Solid	DI Leach	
890-8042-4	S-1 (3.0)	Soluble	Solid	DI Leach	
890-8042-5	S-1 (4.0)	Soluble	Solid	DI Leach	
MB 880-109074/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-109074/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-109074/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-57467-A-5-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-57467-A-5-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 109078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8042-6	S-1 (4.5)	Soluble	Solid	DI Leach	
890-8042-7	S-2 (0-1.0)	Soluble	Solid	DI Leach	
890-8042-8	S-2 (1.5)	Soluble	Solid	DI Leach	
890-8042-9	S-2 (2.0)	Soluble	Solid	DI Leach	
890-8042-10	S-2 (3.0)	Soluble	Solid	DI Leach	
890-8042-11	S-2 (4.0)	Soluble	Solid	DI Leach	
890-8042-12	S-2 (4.5)	Soluble	Solid	DI Leach	
890-8042-13	S-3 (0-1.0)	Soluble	Solid	DI Leach	
890-8042-14	S-3 (1.5)	Soluble	Solid	DI Leach	
890-8042-15	S-3 (2.0)	Soluble	Solid	DI Leach	
890-8042-16	S-3 (3.0)	Soluble	Solid	DI Leach	
890-8042-17	S-3 (4.0)	Soluble	Solid	DI Leach	
890-8042-18	S-3 (4.5)	Soluble	Solid	DI Leach	
890-8042-19	S-4 (0-1.0)	Soluble	Solid	DI Leach	
890-8042-20	S-4 (1.5)	Soluble	Solid	DI Leach	
890-8042-21	S-4 (2.0)	Soluble	Solid	DI Leach	
890-8042-22	S-4 (3.0)	Soluble	Solid	DI Leach	
890-8042-23	S-4 (4.0)	Soluble	Solid	DI Leach	
890-8042-24	S-4 (4.5)	Soluble	Solid	DI Leach	
MB 880-109078/1-A	Method Blank	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 890-8042-1
SDG: Eddy Co New Mexico

HPLC/IC (Continued)

Leach Batch: 109078 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-109078/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-109078/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8042-6 MS	S-1 (4.5)	Soluble	Solid	DI Leach	
890-8042-6 MSD	S-1 (4.5)	Soluble	Solid	DI Leach	
890-8042-16 MS	S-3 (3.0)	Soluble	Solid	DI Leach	
890-8042-16 MSD	S-3 (3.0)	Soluble	Solid	DI Leach	

Analysis Batch: 109083

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8042-1	S-1 (0-1.0)	Soluble	Solid	300.0	109074
890-8042-2	S-1 (1.5)	Soluble	Solid	300.0	109074
890-8042-3	S-1 (2.0)	Soluble	Solid	300.0	109074
890-8042-4	S-1(3.0)	Soluble	Solid	300.0	109074
890-8042-5	S-1 (4.0)	Soluble	Solid	300.0	109074
MB 880-109074/1-A	Method Blank	Soluble	Solid	300.0	109074
LCS 880-109074/2-A	Lab Control Sample	Soluble	Solid	300.0	109074
LCSD 880-109074/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	109074
880-57467-A-5-C MS	Matrix Spike	Soluble	Solid	300.0	109074
880-57467-A-5-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	109074

Analysis Batch: 109084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8042-6	S-1 (4.5)	Soluble	Solid	300.0	109078
890-8042-7	S-2 (0-1.0)	Soluble	Solid	300.0	109078
890-8042-8	S-2 (1.5)	Soluble	Solid	300.0	109078
890-8042-9	S-2 (2.0)	Soluble	Solid	300.0	109078
890-8042-10	S-2 (3.0)	Soluble	Solid	300.0	109078
890-8042-11	S-2 (4.0)	Soluble	Solid	300.0	109078
890-8042-12	S-2 (4.5)	Soluble	Solid	300.0	109078
890-8042-13	S-3 (0-1.0)	Soluble	Solid	300.0	109078
890-8042-14	S-3 (1.5)	Soluble	Solid	300.0	109078
890-8042-15	S-3 (2.0)	Soluble	Solid	300.0	109078
890-8042-16	S-3 (3.0)	Soluble	Solid	300.0	109078
890-8042-17	S-3 (4.0)	Soluble	Solid	300.0	109078
890-8042-18	S-3 (4.5)	Soluble	Solid	300.0	109078
890-8042-19	S-4 (0-1.0)	Soluble	Solid	300.0	109078
890-8042-20	S-4 (1.5)	Soluble	Solid	300.0	109078
890-8042-21	S-4 (2.0)	Soluble	Solid	300.0	109078
890-8042-22	S-4 (3.0)	Soluble	Solid	300.0	109078
890-8042-23	S-4 (4.0)	Soluble	Solid	300.0	109078
890-8042-24	S-4 (4.5)	Soluble	Solid	300.0	109078
MB 880-109078/1-A	Method Blank	Soluble	Solid	300.0	109078
LCS 880-109078/2-A	Lab Control Sample	Soluble	Solid	300.0	109078
LCSD 880-109078/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	109078
890-8042-6 MS	S-1 (4.5)	Soluble	Solid	300.0	109078
890-8042-6 MSD	S-1 (4.5)	Soluble	Solid	300.0	109078
890-8042-16 MS	S-3 (3.0)	Soluble	Solid	300.0	109078
890-8042-16 MSD	S-3 (3.0)	Soluble	Solid	300.0	109078

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Lab Chronicle

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 890-8042-1
SDG: Eddy Co New Mexico

Client Sample ID: S-1 (0-1.0)

Lab Sample ID: 890-8042-1

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

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	109080	04/30/25 11:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109033	04/30/25 23:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109235	04/30/25 23:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			109347	05/01/25 17:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	108994	04/29/25 15:11	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109154	05/01/25 17:47	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	109074	04/30/25 10:50	SI	EET MID
Soluble	Analysis	300.0		1			109083	04/30/25 19:17	CH	EET MID

Client Sample ID: S-1 (1.5)

Lab Sample ID: 890-8042-2

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

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	109080	04/30/25 11:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109033	04/30/25 23:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109235	04/30/25 23:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			109347	05/01/25 18:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	108994	04/29/25 15:11	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109154	05/01/25 18:08	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	109074	04/30/25 10:50	SI	EET MID
Soluble	Analysis	300.0		1			109083	04/30/25 19:23	CH	EET MID

Client Sample ID: S-1 (2.0)

Lab Sample ID: 890-8042-3

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

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	109080	04/30/25 11:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109033	05/01/25 00:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109235	05/01/25 00:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			109347	05/01/25 18:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	108994	04/29/25 15:11	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109154	05/01/25 18:28	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	109074	04/30/25 10:50	SI	EET MID
Soluble	Analysis	300.0		1			109083	04/30/25 19:29	CH	EET MID

Client Sample ID: S-1(3.0)

Lab Sample ID: 890-8042-4

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	109080	04/30/25 11:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109033	05/01/25 00:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109235	05/01/25 00:20	SM	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 890-8042-1
SDG: Eddy Co New Mexico

Client Sample ID: S-1(3.0)

Lab Sample ID: 890-8042-4

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

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			109347	05/01/25 18:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	108994	04/29/25 15:11	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109154	05/01/25 18:49	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	109074	04/30/25 10:50	SI	EET MID
Soluble	Analysis	300.0		1			109083	04/30/25 19:35	CH	EET MID

Client Sample ID: S-1 (4.0)

Lab Sample ID: 890-8042-5

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

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	109080	04/30/25 11:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109033	05/01/25 00:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109235	05/01/25 00:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			109347	05/01/25 19:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	108994	04/29/25 15:11	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109154	05/01/25 19:09	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	109074	04/30/25 10:50	SI	EET MID
Soluble	Analysis	300.0		1			109083	04/30/25 19:41	CH	EET MID

Client Sample ID: S-1 (4.5)

Lab Sample ID: 890-8042-6

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

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	109080	04/30/25 11:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109033	05/01/25 01:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109235	05/01/25 01:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			109347	05/01/25 19:30	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	108994	04/29/25 15:11	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109154	05/01/25 19:30	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	109078	04/30/25 10:56	SI	EET MID
Soluble	Analysis	300.0		1			109084	04/30/25 18:09	CH	EET MID

Client Sample ID: S-2 (0-1.0)

Lab Sample ID: 890-8042-7

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	109080	04/30/25 11:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109033	05/01/25 01:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109235	05/01/25 01:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			109347	05/01/25 19:50	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	108994	04/29/25 15:11	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109154	05/01/25 19:50	SM	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 890-8042-1
SDG: Eddy Co New Mexico

Client Sample ID: S-2 (0-1.0)

Lab Sample ID: 890-8042-7

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	109078	04/30/25 10:56	SI	EET MID
Soluble	Analysis	300.0		1			109084	04/30/25 18:31	CH	EET MID

Client Sample ID: S-2 (1.5)

Lab Sample ID: 890-8042-8

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

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	109080	04/30/25 11:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109033	05/01/25 01:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109235	05/01/25 01:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			109347	05/01/25 12:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	109026	04/30/25 08:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109150	05/01/25 12:17	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	109078	04/30/25 10:56	SI	EET MID
Soluble	Analysis	300.0		1			109084	04/30/25 18:38	CH	EET MID

Client Sample ID: S-2 (2.0)

Lab Sample ID: 890-8042-9

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

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	109080	04/30/25 11:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109033	05/01/25 02:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109235	05/01/25 02:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			109347	05/01/25 13:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	109026	04/30/25 08:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109150	05/01/25 13:19	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	109078	04/30/25 10:56	SI	EET MID
Soluble	Analysis	300.0		1			109084	04/30/25 18:45	CH	EET MID

Client Sample ID: S-2 (3.0)

Lab Sample ID: 890-8042-10

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	109080	04/30/25 11:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109033	05/01/25 02:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109235	05/01/25 02:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			109347	05/01/25 13:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	109026	04/30/25 08:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109150	05/01/25 13:39	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	109078	04/30/25 10:56	SI	EET MID
Soluble	Analysis	300.0		1			109084	04/30/25 18:52	CH	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 890-8042-1
SDG: Eddy Co New Mexico

Client Sample ID: S-2 (4.0)

Lab Sample ID: 890-8042-11

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

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	109080	04/30/25 11:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109033	05/01/25 03:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109235	05/01/25 03:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			109347	05/01/25 14:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	109026	04/30/25 08:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109150	05/01/25 14:00	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	109078	04/30/25 10:56	SI	EET MID
Soluble	Analysis	300.0		1			109084	04/30/25 19:14	CH	EET MID

Client Sample ID: S-2 (4.5)

Lab Sample ID: 890-8042-12

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

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	109080	04/30/25 11:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109033	05/01/25 04:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109235	05/01/25 04:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			109347	05/01/25 14:21	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	109026	04/30/25 08:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109150	05/01/25 14:21	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	109078	04/30/25 10:56	SI	EET MID
Soluble	Analysis	300.0		1			109084	04/30/25 19:21	CH	EET MID

Client Sample ID: S-3 (0-1.0)

Lab Sample ID: 890-8042-13

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

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	109080	04/30/25 11:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109033	05/01/25 04:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109235	05/01/25 04:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			109347	05/01/25 14:41	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	109026	04/30/25 08:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109150	05/01/25 14:41	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	109078	04/30/25 10:56	SI	EET MID
Soluble	Analysis	300.0		1			109084	04/30/25 19:28	CH	EET MID

Client Sample ID: S-3 (1.5)

Lab Sample ID: 890-8042-14

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

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	109080	04/30/25 11:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109033	05/01/25 04:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109235	05/01/25 04:48	SM	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 890-8042-1
SDG: Eddy Co New Mexico

Client Sample ID: S-3 (1.5)

Lab Sample ID: 890-8042-14

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

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			109347	05/01/25 15:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	109026	04/30/25 08:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109150	05/01/25 15:02	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	109078	04/30/25 10:56	SI	EET MID
Soluble	Analysis	300.0		1			109084	04/30/25 19:35	CH	EET MID

Client Sample ID: S-3 (2.0)

Lab Sample ID: 890-8042-15

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	109080	04/30/25 11:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109033	05/01/25 05:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109235	05/01/25 05:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			109347	05/01/25 15:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	109026	04/30/25 08:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109150	05/01/25 15:23	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	109078	04/30/25 10:56	SI	EET MID
Soluble	Analysis	300.0		1			109084	04/30/25 19:42	CH	EET MID

Client Sample ID: S-3 (3.0)

Lab Sample ID: 890-8042-16

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

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	109080	04/30/25 11:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109033	05/01/25 05:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109235	05/01/25 05:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			109347	05/01/25 15:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	109026	04/30/25 08:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109150	05/01/25 15:44	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	109078	04/30/25 10:56	SI	EET MID
Soluble	Analysis	300.0		1			109084	04/30/25 19:49	CH	EET MID

Client Sample ID: S-3 (4.0)

Lab Sample ID: 890-8042-17

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

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	109080	04/30/25 11:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109033	05/01/25 05:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109235	05/01/25 05:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			109347	05/01/25 16:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	109026	04/30/25 08:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109150	05/01/25 16:04	SM	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 890-8042-1
SDG: Eddy Co New Mexico

Client Sample ID: S-3 (4.0)

Lab Sample ID: 890-8042-17

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	109078	04/30/25 10:56	SI	EET MID
Soluble	Analysis	300.0		1			109084	04/30/25 20:11	CH	EET MID

Client Sample ID: S-3 (4.5)

Lab Sample ID: 890-8042-18

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	109080	04/30/25 11:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109033	05/01/25 06:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109235	05/01/25 06:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			109347	05/01/25 16:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	109026	04/30/25 08:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109150	05/01/25 16:46	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	109078	04/30/25 10:56	SI	EET MID
Soluble	Analysis	300.0		1			109084	04/30/25 20:18	CH	EET MID

Client Sample ID: S-4 (0-1.0)

Lab Sample ID: 890-8042-19

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

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	109080	04/30/25 11:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109033	05/01/25 06:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109235	05/01/25 06:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			109347	05/01/25 17:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	109026	04/30/25 08:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109150	05/01/25 17:06	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	109078	04/30/25 10:56	SI	EET MID
Soluble	Analysis	300.0		1			109084	04/30/25 20:39	CH	EET MID

Client Sample ID: S-4 (1.5)

Lab Sample ID: 890-8042-20

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

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	109080	04/30/25 11:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109033	05/01/25 06:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109235	05/01/25 06:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			109347	05/01/25 17:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	109026	04/30/25 08:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109150	05/01/25 17:27	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	109078	04/30/25 10:56	SI	EET MID
Soluble	Analysis	300.0		1			109084	04/30/25 20:47	CH	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 890-8042-1
SDG: Eddy Co New Mexico

Client Sample ID: S-4 (2.0)

Lab Sample ID: 890-8042-21

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

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	109135	05/01/25 08:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109139	05/01/25 13:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109235	05/01/25 13:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			109347	05/01/25 17:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	109026	04/30/25 08:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109150	05/01/25 17:47	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	109078	04/30/25 10:56	SI	EET MID
Soluble	Analysis	300.0		5			109084	05/01/25 13:05	CH	EET MID

Client Sample ID: S-4 (3.0)

Lab Sample ID: 890-8042-22

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	109135	05/01/25 08:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109139	05/01/25 13:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109235	05/01/25 13:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			109347	05/01/25 18:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	109026	04/30/25 08:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109150	05/01/25 18:08	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	109078	04/30/25 10:56	SI	EET MID
Soluble	Analysis	300.0		1			109084	04/30/25 21:01	CH	EET MID

Client Sample ID: S-4 (4.0)

Lab Sample ID: 890-8042-23

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

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	109135	05/01/25 08:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109139	05/01/25 13:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109235	05/01/25 13:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			109347	05/01/25 18:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	109026	04/30/25 08:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109150	05/01/25 18:28	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	109078	04/30/25 10:56	SI	EET MID
Soluble	Analysis	300.0		1			109084	04/30/25 21:08	CH	EET MID

Client Sample ID: S-4 (4.5)

Lab Sample ID: 890-8042-24

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

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	109135	05/01/25 08:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109139	05/01/25 14:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109235	05/01/25 14:20	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 890-8042-1
SDG: Eddy Co New Mexico

Client Sample ID: S-4 (4.5)
Date Collected: 04/29/25 00:00
Date Received: 04/29/25 14:22

Lab Sample ID: 890-8042-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			109347	05/01/25 18:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	109026	04/30/25 08:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109150	05/01/25 18:49	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	109078	04/30/25 10:56	SI	EET MID
Soluble	Analysis	300.0		1			109084	04/30/25 21:15	CH	EET MID

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

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- 2
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Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 890-8042-1
SDG: Eddy Co New Mexico

Laboratory: Eurofins Midland

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

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

Method Summary

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 890-8042-1
SDG: Eddy Co New Mexico

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

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

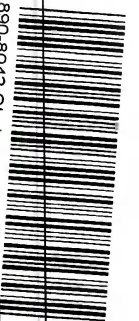
Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 890-8042-1
SDG: Eddy Co New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-8042-1	S-1 (0-1.0)	Solid	04/29/25 00:00	04/29/25 14:22
890-8042-2	S-1 (1.5)	Solid	04/29/25 00:00	04/29/25 14:22
890-8042-3	S-1 (2.0)	Solid	04/29/25 00:00	04/29/25 14:22
890-8042-4	S-1(3.0)	Solid	04/29/25 00:00	04/29/25 14:22
890-8042-5	S-1 (4.0)	Solid	04/29/25 00:00	04/29/25 14:22
890-8042-6	S-1 (4.5)	Solid	04/29/25 00:00	04/29/25 14:22
890-8042-7	S-2 (0-1.0)	Solid	04/29/25 00:00	04/29/25 14:22
890-8042-8	S-2 (1.5)	Solid	04/29/25 00:00	04/29/25 14:22
890-8042-9	S-2 (2.0)	Solid	04/29/25 00:00	04/29/25 14:22
890-8042-10	S-2 (3.0)	Solid	04/29/25 00:00	04/29/25 14:22
890-8042-11	S-2 (4.0)	Solid	04/29/25 00:00	04/29/25 14:22
890-8042-12	S-2 (4.5)	Solid	04/29/25 00:00	04/29/25 14:22
890-8042-13	S-3 (0-1.0)	Solid	04/29/25 00:00	04/29/25 14:22
890-8042-14	S-3 (1.5)	Solid	04/29/25 00:00	04/29/25 14:22
890-8042-15	S-3 (2.0)	Solid	04/29/25 00:00	04/29/25 14:22
890-8042-16	S-3 (3.0)	Solid	04/29/25 00:00	04/29/25 14:22
890-8042-17	S-3 (4.0)	Solid	04/29/25 00:00	04/29/25 14:22
890-8042-18	S-3 (4.5)	Solid	04/29/25 00:00	04/29/25 14:22
890-8042-19	S-4 (0-1.0)	Solid	04/29/25 00:00	04/29/25 14:22
890-8042-20	S-4 (1.5)	Solid	04/29/25 00:00	04/29/25 14:22
890-8042-21	S-4 (2.0)	Solid	04/29/25 00:00	04/29/25 14:22
890-8042-22	S-4 (3.0)	Solid	04/29/25 00:00	04/29/25 14:22
890-8042-23	S-4 (4.0)	Solid	04/29/25 00:00	04/29/25 14:22
890-8042-24	S-4 (4.5)	Solid	04/29/25 00:00	04/29/25 14:22

Chain of Custody

890-8042 Chain of Custody



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/PT <input type="checkbox"/> PRR <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"/> P-ST/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:	South Culebra Bluff Unit #006	Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes					
Project Number:	2707	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush														None: NO	DI Water: H ₂ O				
Project Location:	Eddy Co, New Mexico	Due Date:	Standard													Cool: Cool	MeOH: Me				
Sampler's Name:	RP	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"/>	Parameters												HOLD			
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	71111111			BTX 8021B												Na ₂ S ₂ O ₃ : NABIS			
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	7.2			TPH 8015M (GRO + DRO + MRO)												Na ₂ S ₂ O ₃ : NaSO ₃			
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	7.2			Chloride 300.0												Zn Acetate+NaOH: Zn			
Total Containers:		Corrected Temperature:	7.0															NaOH+Ascorbic Acid: SAPC			
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
S-1 (0-1.0')		4/29/2025		X		G	1	X	X	X											
S-1 (1.5')		4/29/2025		X		G	1	X	X	X											
S-1 (2.0')		4/29/2025		X		G	1	X	X	X											
S-1 (3.0')		4/29/2025		X		G	1	X	X	X											
S-1 (4.0')		4/29/2025		X		G	1	X	X	X											
S-1 (4.5')		4/29/2025		X		G	1	X	X	X											
S-2 (0-1.0')		4/29/2025		X		G	1	X	X	X											
S-2 (1.5')		4/29/2025		X		G	1	X	X	X											
S-2 (2.0')		4/29/2025		X		G	1	X	X	X											
S-2 (3.0')		4/29/2025		X		G	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>[Signature]</i>	<i>[Signature]</i>	14:05 4/28			
3					
5					

Chain of Custody

Work Order No: _____

Page 2 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
Deliverables: EDD	<input type="checkbox"/> ADAPT <input type="checkbox"/> Other:

Project Name:	South Culebra Bluff Unit #006	Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes						
Project Number:	2707	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush														None: NO	DI Water: H ₂ O					
Project Location:	Eddy Co. New Mexico	Due Date:	Standard														Cool: Cool	MeOH: Me					
Sampler's Name:	RP	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:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Well Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>													H ₃ PO ₄ : HP					
Received In tact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Thermometer ID:	714402														NaHSO ₄ : NABIS						
Cooler Custody Seals:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Correction Factor:	-0.2														Na ₂ S ₂ O ₃ : NaSO ₃						
Sample Custody Seals:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Temperature Reading:	7.2														Zn Acetate+NaOH: Zn						
Total Containers:		Corrected Temperature:	7.0														NaOH+Ascorbic Acid: SAPC						
Sample Identification				Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
S-2 (4.0')				4/29/2025		X		G	1	X	X	X											
S-2 (4.5')				4/29/2025		X		G	1	X	X	X											
S-3 (0-1.0')				4/29/2025		X		G	1	X	X	X											
S-3 (1.5')				4/29/2025		X		G	1	X	X	X											
S-3 (2.0')				4/29/2025		X		G	1	X	X	X											
S-3 (3.0')				4/29/2025		X		G	1	X	X	X											
S-3 (4.0')				4/29/2025		X		G	1	X	X	X											
S-3 (4.5')				4/29/2025		X		G	1	X	X	X											
S-4 (0-1.0')				4/29/2025																			
S-4 (1.5')				4/29/2025																			

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>[Signature]</i>	<i>[Signature]</i>	4:05 4/29/25			
3					
5					

Chain of Custody

Work Order No: _____

Page 3 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 <input type="checkbox"/>	
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:	South Culebra Bluff Unit #006	Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes				
Project Number:	2707	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush														None: NO	DI Water: H ₂ O			
Project Location:	Eddy Co. New Mexico	Due Date:	Standard														Cool: Cool	MeOH: Me			
Sampler's Name:	RP	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"/>	Thermometer ID:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Wet Ice:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>													H ₃ PO ₄ : HP		
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Temperature Reading:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Corrected Temperature:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>													NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>																Na ₂ S ₂ O ₃ : NaSO ₃				
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>																Zn Acetate+NaOH: Zn				
Total Containers:																	NaOH+Ascorbic Acid: SAPC				
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments		
S-4 (2.0)	4/29/2025		X		G	1	X	X	X												
S-4 (3.0)	4/29/2025		X		G	1	X	X	X												
S-4 (4.0)	4/29/2025		X		G	1	X	X	X												
S-4 (4.5)	4/29/2025		X		G	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>[Signature]</i>	<i>[Signature]</i>	4/29/25 4/29			
3 <i>[Signature]</i>					
5					

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-8042-1

SDG Number: Eddy Co New Mexico

Login Number: 8042

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: 890-8042-1
SDG Number: Eddy Co New Mexico

Login Number: 8042

List Number: 2

Creator: Laing, Edmundo

List Source: Eurofins Midland

List Creation: 04/30/25 08:04 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 5/2/2025 1:18:55 PM

JOB DESCRIPTION

SOUTH CULEBRA BLUFF UNIT #006
Eddy Co New Mexico

JOB NUMBER

890-8043-1

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
5/2/2025 1:18:55 PM

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

Client: Carmona Resources
Project/Site: SOUTH CULEBRA BLUFF UNIT #006

Laboratory Job ID: 890-8043-1
SDG: Eddy Co New Mexico

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	7
Surrogate Summary	12
QC Sample Results	13
QC Association Summary	19
Lab Chronicle	22
Certification Summary	24
Method Summary	25
Sample Summary	26
Chain of Custody	27
Receipt Checklists	28

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

Definitions/Glossary

Client: Carmona Resources
Project/Site: SOUTH CULEBRA BLUFF UNIT #006

Job ID: 890-8043-1
SDG: Eddy Co New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: SOUTH CULEBRA BLUFF UNIT #006

Job ID: 890-8043-1

Job ID: 890-8043-1**Eurofins Carlsbad**

Job Narrative
890-8043-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 4/29/2025 2:04 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 3.0°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0-1.0) (890-8043-1), H-2 (0-1.0) (890-8043-2), H-3 (0-1.0) (890-8043-3), H-4 (0-1.0) (890-8043-4), H-5 (0-1.0) (890-8043-5) and H-6 (0-1.0) (890-8043-6).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: H-3 (0-1.0) (890-8043-3), H-4 (0-1.0) (890-8043-4) and (880-57498-A-1-D). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-109088 and analytical batch 880-109031 was outside the upper control limits.

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

Diesel Range Organics

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-109028 and analytical batch 880-109158 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: H-4 (0-1.0) (890-8043-4), H-5 (0-1.0) (890-8043-5), H-6 (0-1.0) (890-8043-6), (LCS 880-109028/2-A), (LCSD 880-109028/3-A), (890-8043-A-4-B MS) and (890-8043-A-4-C MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-109026 and analytical batch 880-109150 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-109150/19), (CCV 880-109150/30), (CCV 880-109150/4), (LCS 880-109026/2-A) and (LCSD 880-109026/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike (MS) recoveries for preparation batch 880-109026 and analytical batch 880-109150 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-109079 and analytical batch 880-109101 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Eurofins Carlsbad

Case Narrative

Client: Carmona Resources
Project: SOUTH CULEBRA BLUFF UNIT #006

Job ID: 890-8043-1

Job ID: 890-8043-1 (Continued)

Eurofins Carlsbad

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

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Eurofins Carlsbad

Client Sample Results

Client: Carmona Resources
Project/Site: SOUTH CULEBRA BLUFF UNIT #006

Job ID: 890-8043-1
SDG: Eddy Co New Mexico

Client Sample ID: H-1 (0-1.0)

Lab Sample ID: 890-8043-1

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/30/25 12:47	05/01/25 01:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/30/25 12:47	05/01/25 01:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/30/25 12:47	05/01/25 01:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/30/25 12:47	05/01/25 01:32	1
o-Xylene	0.00359		0.00199		mg/Kg		04/30/25 12:47	05/01/25 01:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/30/25 12:47	05/01/25 01:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	04/30/25 12:47	05/01/25 01:32	1
1,4-Difluorobenzene (Surr)	83		70 - 130	04/30/25 12:47	05/01/25 01:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/01/25 01:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/01/25 19:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/30/25 08:25	05/01/25 19:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/30/25 08:25	05/01/25 19:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/30/25 08:25	05/01/25 19:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	04/30/25 08:25	05/01/25 19:09	1
o-Terphenyl	101		70 - 130	04/30/25 08:25	05/01/25 19:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	292		10.0		mg/Kg			04/30/25 21:22	1

Client Sample ID: H-2 (0-1.0)

Lab Sample ID: 890-8043-2

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/30/25 12:47	05/01/25 01:52	1
Toluene	0.00360		0.00200		mg/Kg		04/30/25 12:47	05/01/25 01:52	1
Ethylbenzene	0.00225		0.00200		mg/Kg		04/30/25 12:47	05/01/25 01:52	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/30/25 12:47	05/01/25 01:52	1
o-Xylene	0.00212		0.00200		mg/Kg		04/30/25 12:47	05/01/25 01:52	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/30/25 12:47	05/01/25 01:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	04/30/25 12:47	05/01/25 01:52	1
1,4-Difluorobenzene (Surr)	72		70 - 130	04/30/25 12:47	05/01/25 01:52	1

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Client Sample Results

Client: Carmona Resources
Project/Site: SOUTH CULEBRA BLUFF UNIT #006

Job ID: 890-8043-1
SDG: Eddy Co New Mexico

Client Sample ID: H-2 (0-1.0)

Lab Sample ID: 890-8043-2

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:04

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00797		0.00399		mg/Kg			05/01/25 01:52	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			05/01/25 19:30	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		04/30/25 08:25	05/01/25 19:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/30/25 08:25	05/01/25 19:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/30/25 08:25	05/01/25 19:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				04/30/25 08:25	05/01/25 19:30	1
o-Terphenyl	102		70 - 130				04/30/25 08:25	05/01/25 19:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1230	F1	49.8		mg/Kg			05/01/25 14:06	5

Client Sample ID: H-3 (0-1.0)

Lab Sample ID: 890-8043-3

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/30/25 12:47	05/01/25 02:12	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/30/25 12:47	05/01/25 02:12	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/30/25 12:47	05/01/25 02:12	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/30/25 12:47	05/01/25 02:12	1
o-Xylene	0.00297		0.00202		mg/Kg		04/30/25 12:47	05/01/25 02:12	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/30/25 12:47	05/01/25 02:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				04/30/25 12:47	05/01/25 02:12	1
1,4-Difluorobenzene (Surr)	67	S1-	70 - 130				04/30/25 12:47	05/01/25 02:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			05/01/25 02:12	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			05/01/25 19:50	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	<49.8	U	49.8		mg/Kg		04/30/25 08:25	05/01/25 19:50	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/30/25 08:25	05/01/25 19:50	1

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Client Sample Results

Client: Carmona Resources
Project/Site: SOUTH CULEBRA BLUFF UNIT #006

Job ID: 890-8043-1
SDG: Eddy Co New Mexico

Client Sample ID: H-3 (0-1.0)

Lab Sample ID: 890-8043-3

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/30/25 08:25	05/01/25 19:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				04/30/25 08:25	05/01/25 19:50	1
o-Terphenyl	102		70 - 130				04/30/25 08:25	05/01/25 19:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1100		50.4		mg/Kg			05/01/25 14:27	5

Client Sample ID: H-4 (0-1.0)

Lab Sample ID: 890-8043-4

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/30/25 12:47	05/01/25 03:46	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/30/25 12:47	05/01/25 03:46	1
Ethylbenzene	0.00218		0.00201		mg/Kg		04/30/25 12:47	05/01/25 03:46	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/30/25 12:47	05/01/25 03:46	1
o-Xylene	0.00296		0.00201		mg/Kg		04/30/25 12:47	05/01/25 03:46	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/30/25 12:47	05/01/25 03:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				04/30/25 12:47	05/01/25 03:46	1
1,4-Difluorobenzene (Surr)	69	S1-	70 - 130				04/30/25 12:47	05/01/25 03:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00514		0.00402		mg/Kg			05/01/25 03:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/01/25 18:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/30/25 08:28	05/01/25 18:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/30/25 08:28	05/01/25 18:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/30/25 08:28	05/01/25 18:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	166	S1+	70 - 130				04/30/25 08:28	05/01/25 18:36	1
o-Terphenyl	151	S1+	70 - 130				04/30/25 08:28	05/01/25 18:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	543		10.0		mg/Kg			05/01/25 14:34	1

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Client Sample Results

Client: Carmona Resources
Project/Site: SOUTH CULEBRA BLUFF UNIT #006

Job ID: 890-8043-1
SDG: Eddy Co New Mexico

Client Sample ID: H-5 (0-1.0)

Lab Sample ID: 890-8043-5

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/30/25 12:47	05/01/25 04:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/30/25 12:47	05/01/25 04:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/30/25 12:47	05/01/25 04:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/30/25 12:47	05/01/25 04:07	1
o-Xylene	0.00357		0.00199		mg/Kg		04/30/25 12:47	05/01/25 04:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/30/25 12:47	05/01/25 04:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		70 - 130	04/30/25 12:47	05/01/25 04:07	1
1,4-Difluorobenzene (Surr)	76		70 - 130	04/30/25 12:47	05/01/25 04:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/01/25 04:07	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			05/01/25 19:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/30/25 08:28	05/01/25 19:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/30/25 08:28	05/01/25 19:26	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/30/25 08:28	05/01/25 19:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	161	S1+	70 - 130				04/30/25 08:28	05/01/25 19:26	1
o-Terphenyl	150	S1+	70 - 130				04/30/25 08:28	05/01/25 19:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	686		10.0		mg/Kg			05/01/25 14:41	1

Client Sample ID: H-6 (0-1.0)

Lab Sample ID: 890-8043-6

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/30/25 12:47	05/01/25 04:27	1
Toluene	0.00205		0.00200		mg/Kg		04/30/25 12:47	05/01/25 04:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/30/25 12:47	05/01/25 04:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/30/25 12:47	05/01/25 04:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/30/25 12:47	05/01/25 04:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/30/25 12:47	05/01/25 04:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	04/30/25 12:47	05/01/25 04:27	1
1,4-Difluorobenzene (Surr)	87		70 - 130	04/30/25 12:47	05/01/25 04:27	1

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Client Sample Results

Client: Carmona Resources
Project/Site: SOUTH CULEBRA BLUFF UNIT #006

Job ID: 890-8043-1
SDG: Eddy Co New Mexico

Client Sample ID: H-6 (0-1.0)

Lab Sample ID: 890-8043-6

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:04

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			05/01/25 04:27	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			05/01/25 19:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/30/25 08:28	05/01/25 19:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/30/25 08:28	05/01/25 19:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/30/25 08:28	05/01/25 19:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	163	S1+	70 - 130				04/30/25 08:28	05/01/25 19:42	1
o-Terphenyl	150	S1+	70 - 130				04/30/25 08:28	05/01/25 19:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	463		9.96		mg/Kg			05/01/25 14:48	1

Surrogate Summary

Client: Carmona Resources
Project/Site: SOUTH CULEBRA BLUFF UNIT #006

Job ID: 890-8043-1
SDG: Eddy Co New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-57498-A-1-B MS	Matrix Spike	108	97
880-57498-A-1-C MSD	Matrix Spike Duplicate	108	91
890-8043-1	H-1 (0-1.0)	100	83
890-8043-2	H-2 (0-1.0)	95	72
890-8043-3	H-3 (0-1.0)	95	67 S1-
890-8043-4	H-4 (0-1.0)	119	69 S1-
890-8043-5	H-5 (0-1.0)	79	76
890-8043-6	H-6 (0-1.0)	107	87
LCS 880-109088/1-A	Lab Control Sample	92	96
LCSD 880-109088/2-A	Lab Control Sample Dup	99	97
MB 880-109038/5-A	Method Blank	97	74
MB 880-109088/5-A	Method Blank	103	70
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)
890-8042-A-8-B MS	Matrix Spike	95	84
890-8042-A-8-C MSD	Matrix Spike Duplicate	97	86
890-8043-1	H-1 (0-1.0)	102	101
890-8043-2	H-2 (0-1.0)	104	102
890-8043-3	H-3 (0-1.0)	104	102
890-8043-4	H-4 (0-1.0)	166 S1+	151 S1+
890-8043-4 MS	H-4 (0-1.0)	144 S1+	145 S1+
890-8043-4 MSD	H-4 (0-1.0)	147 S1+	147 S1+
890-8043-5	H-5 (0-1.0)	161 S1+	150 S1+
890-8043-6	H-6 (0-1.0)	163 S1+	150 S1+
LCS 880-109026/2-A	Lab Control Sample	292 S1+	279 S1+
LCS 880-109028/2-A	Lab Control Sample	173 S1+	150 S1+
LCSD 880-109026/3-A	Lab Control Sample Dup	418 S1+	404 S1+
LCSD 880-109028/3-A	Lab Control Sample Dup	169 S1+	144 S1+
MB 880-109026/1-A	Method Blank	149 S1+	137 S1+
MB 880-109028/1-A	Method Blank	145 S1+	134 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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QC Sample Results

Client: Carmona Resources
Project/Site: SOUTH CULEBRA BLUFF UNIT #006

Job ID: 890-8043-1
SDG: Eddy Co New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-109038/5-A

Matrix: Solid

Analysis Batch: 109031

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 109038

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/30/25 08:59	04/30/25 11:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/30/25 08:59	04/30/25 11:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/30/25 08:59	04/30/25 11:48	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/30/25 08:59	04/30/25 11:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/30/25 08:59	04/30/25 11:48	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/30/25 08:59	04/30/25 11:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	04/30/25 08:59	04/30/25 11:48	1
1,4-Difluorobenzene (Surr)	74		70 - 130	04/30/25 08:59	04/30/25 11:48	1

Lab Sample ID: MB 880-109088/5-A

Matrix: Solid

Analysis Batch: 109031

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 109088

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/30/25 12:47	04/30/25 22:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/30/25 12:47	04/30/25 22:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/30/25 12:47	04/30/25 22:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/30/25 12:47	04/30/25 22:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/30/25 12:47	04/30/25 22:46	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/30/25 12:47	04/30/25 22:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	04/30/25 12:47	04/30/25 22:46	1
1,4-Difluorobenzene (Surr)	70		70 - 130	04/30/25 12:47	04/30/25 22:46	1

Lab Sample ID: LCS 880-109088/1-A

Matrix: Solid

Analysis Batch: 109031

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 109088

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09795		mg/Kg		98	70 - 130
Toluene	0.100	0.09233		mg/Kg		92	70 - 130
Ethylbenzene	0.100	0.09663		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	0.200	0.1832		mg/Kg		92	70 - 130
o-Xylene	0.100	0.09293		mg/Kg		93	70 - 130

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

Lab Sample ID: LCSD 880-109088/2-A

Matrix: Solid

Analysis Batch: 109031

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 109088

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09624		mg/Kg		96	70 - 130	2	35

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QC Sample Results

Client: Carmona Resources
Project/Site: SOUTH CULEBRA BLUFF UNIT #006

Job ID: 890-8043-1
SDG: Eddy Co New Mexico

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

Lab Sample ID: LCSD 880-109088/2-A

Matrix: Solid

Analysis Batch: 109031

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 109088

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.09276		mg/Kg		93	70 - 130	0	35
Ethylbenzene	0.100	0.09877		mg/Kg		99	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.1892		mg/Kg		95	70 - 130	3	35
o-Xylene	0.100	0.09572		mg/Kg		96	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 880-57498-A-1-B MS

Matrix: Solid

Analysis Batch: 109031

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 109088

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.08409		mg/Kg		84	70 - 130
Toluene	<0.00200	U	0.100	0.08530		mg/Kg		85	70 - 130
Ethylbenzene	0.00331		0.100	0.08756		mg/Kg		84	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1762		mg/Kg		88	70 - 130
o-Xylene	<0.00200	U	0.100	0.08586		mg/Kg		84	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 880-57498-A-1-C MSD

Matrix: Solid

Analysis Batch: 109031

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 109088

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	0.07125		mg/Kg		71	70 - 130	17	35
Toluene	<0.00200	U	0.100	0.07987		mg/Kg		80	70 - 130	7	35
Ethylbenzene	0.00331		0.100	0.08980		mg/Kg		86	70 - 130	3	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1799		mg/Kg		90	70 - 130	2	35
o-Xylene	<0.00200	U	0.100	0.08349		mg/Kg		82	70 - 130	3	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

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

Lab Sample ID: MB 880-109026/1-A

Matrix: Solid

Analysis Batch: 109150

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 109026

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/30/25 08:25	05/01/25 08:38	1

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QC Sample Results

Client: Carmona Resources
Project/Site: SOUTH CULEBRA BLUFF UNIT #006

Job ID: 890-8043-1
SDG: Eddy Co New Mexico

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

Lab Sample ID: MB 880-109026/1-A

Matrix: Solid

Analysis Batch: 109150

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 109026

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/30/25 08:25	05/01/25 08:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/30/25 08:25	05/01/25 08:38	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	149	S1+	70 - 130				04/30/25 08:25	05/01/25 08:38	1
o-Terphenyl	137	S1+	70 - 130				04/30/25 08:25	05/01/25 08:38	1

Lab Sample ID: LCS 880-109026/2-A

Matrix: Solid

Analysis Batch: 109150

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 109026

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	918.3		mg/Kg		92	70 - 130
Diesel Range Organics (Over C10-C28)	1000	976.0		mg/Kg		98	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	292	S1+	70 - 130				
o-Terphenyl	279	S1+	70 - 130				

Lab Sample ID: LCSD 880-109026/3-A

Matrix: Solid

Analysis Batch: 109150

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 109026

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	978.0		mg/Kg		98	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	1000	1012		mg/Kg		101	70 - 130	4	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	418	S1+	70 - 130						
o-Terphenyl	404	S1+	70 - 130						

Lab Sample ID: 890-8042-A-8-B MS

Matrix: Solid

Analysis Batch: 109150

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 109026

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	996	1192		mg/Kg		120	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U F1	996	708.5	F1	mg/Kg		69	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	95		70 - 130						
o-Terphenyl	84		70 - 130						

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QC Sample Results

Client: Carmona Resources
Project/Site: SOUTH CULEBRA BLUFF UNIT #006

Job ID: 890-8043-1
SDG: Eddy Co New Mexico

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

Lab Sample ID: 890-8042-A-8-C MSD

Matrix: Solid

Analysis Batch: 109150

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 109026

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	996	1188		mg/Kg		119	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	996	723.4		mg/Kg		70	70 - 130	2	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	97		70 - 130								
o-Terphenyl	86		70 - 130								

Lab Sample ID: MB 880-109028/1-A

Matrix: Solid

Analysis Batch: 109158

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 109028

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/30/25 08:28	05/01/25 17:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/30/25 08:28	05/01/25 17:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/30/25 08:28	05/01/25 17:45	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	145	S1+	70 - 130				04/30/25 08:28	05/01/25 17:45	1
o-Terphenyl	134	S1+	70 - 130				04/30/25 08:28	05/01/25 17:45	1

Lab Sample ID: LCS 880-109028/2-A

Matrix: Solid

Analysis Batch: 109158

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 109028

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	1045		mg/Kg		104	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1010		mg/Kg		101	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	173	S1+	70 - 130						
o-Terphenyl	150	S1+	70 - 130						

Lab Sample ID: LCSD 880-109028/3-A

Matrix: Solid

Analysis Batch: 109158

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 109028

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1014		mg/Kg		101	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	981.2		mg/Kg		98	70 - 130	3	20

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QC Sample Results

Client: Carmona Resources
Project/Site: SOUTH CULEBRA BLUFF UNIT #006

Job ID: 890-8043-1
SDG: Eddy Co New Mexico

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

Lab Sample ID: LCSD 880-109028/3-A

Matrix: Solid

Analysis Batch: 109158

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 109028

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	169	S1+	70 - 130
o-Terphenyl	144	S1+	70 - 130

Lab Sample ID: 890-8043-4 MS

Matrix: Solid

Analysis Batch: 109158

Client Sample ID: H-4 (0-1.0)

Prep Type: Total/NA

Prep Batch: 109028

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	1231		mg/Kg		123	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U	999	1241		mg/Kg		124	70 - 130	
Surrogate	%Recovery	Qualifier	Limits	MS	MS					
1-Chlorooctane	144	S1+	70 - 130							
o-Terphenyl	145	S1+	70 - 130							

Lab Sample ID: 890-8043-4 MSD

Matrix: Solid

Analysis Batch: 109158

Client Sample ID: H-4 (0-1.0)

Prep Type: Total/NA

Prep Batch: 109028

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	1259		mg/Kg		126	70 - 130	2	20	
Diesel Range Organics (Over C10-C28)	<50.0	U	999	1271		mg/Kg		127	70 - 130	2	20	
Surrogate	%Recovery	Qualifier	Limits	MSD	MSD							
1-Chlorooctane	147	S1+	70 - 130									
o-Terphenyl	147	S1+	70 - 130									

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-109078/1-A

Matrix: Solid

Analysis Batch: 109084

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	<10.0	U	10.0		mg/Kg			04/30/25 17:48	1	

Lab Sample ID: LCS 880-109078/2-A

Matrix: Solid

Analysis Batch: 109084

Client Sample ID: Lab Control Sample

Prep Type: Soluble

	Spike	LCS	LCS						%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Chloride	250	238.3		mg/Kg		95	90 - 110			

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QC Sample Results

Client: Carmona Resources
Project/Site: SOUTH CULEBRA BLUFF UNIT #006

Job ID: 890-8043-1
SDG: Eddy Co New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-109078/3-A

Matrix: Solid

Analysis Batch: 109084

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	241.3		mg/Kg		97	90 - 110	1	20

Lab Sample ID: 890-8042-A-6-C MS

Matrix: Solid

Analysis Batch: 109084

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	185		251	432.8		mg/Kg		99	90 - 110		

Lab Sample ID: 890-8042-A-6-D MSD

Matrix: Solid

Analysis Batch: 109084

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	185		251	429.0		mg/Kg		97	90 - 110	1	20

Lab Sample ID: MB 880-109079/1-A

Matrix: Solid

Analysis Batch: 109101

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			05/01/25 13:45	1

Lab Sample ID: LCS 880-109079/2-A

Matrix: Solid

Analysis Batch: 109101

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	264.9		mg/Kg		106	90 - 110		

Lab Sample ID: LCSD 880-109079/3-A

Matrix: Solid

Analysis Batch: 109101

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	257.7		mg/Kg		103	90 - 110	3	20

Lab Sample ID: 890-8043-2 MS

Matrix: Solid

Analysis Batch: 109101

Client Sample ID: H-2 (0-1.0)

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1230	F1	1250	2735	F1	mg/Kg		121	90 - 110		

Lab Sample ID: 890-8043-2 MSD

Matrix: Solid

Analysis Batch: 109101

Client Sample ID: H-2 (0-1.0)

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1230	F1	1250	2748	F1	mg/Kg		122	90 - 110	0	20

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QC Association Summary

Client: Carmona Resources
Project/Site: SOUTH CULEBRA BLUFF UNIT #006

Job ID: 890-8043-1
SDG: Eddy Co New Mexico

GC VOA

Analysis Batch: 109031

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8043-1	H-1 (0-1.0)	Total/NA	Solid	8021B	109088
890-8043-2	H-2 (0-1.0)	Total/NA	Solid	8021B	109088
890-8043-3	H-3 (0-1.0)	Total/NA	Solid	8021B	109088
890-8043-4	H-4 (0-1.0)	Total/NA	Solid	8021B	109088
890-8043-5	H-5 (0-1.0)	Total/NA	Solid	8021B	109088
890-8043-6	H-6 (0-1.0)	Total/NA	Solid	8021B	109088
MB 880-109038/5-A	Method Blank	Total/NA	Solid	8021B	109038
MB 880-109088/5-A	Method Blank	Total/NA	Solid	8021B	109088
LCS 880-109088/1-A	Lab Control Sample	Total/NA	Solid	8021B	109088
LCSD 880-109088/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	109088
880-57498-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	109088
880-57498-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	109088

Prep Batch: 109038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-109038/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 109088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8043-1	H-1 (0-1.0)	Total/NA	Solid	5035	
890-8043-2	H-2 (0-1.0)	Total/NA	Solid	5035	
890-8043-3	H-3 (0-1.0)	Total/NA	Solid	5035	
890-8043-4	H-4 (0-1.0)	Total/NA	Solid	5035	
890-8043-5	H-5 (0-1.0)	Total/NA	Solid	5035	
890-8043-6	H-6 (0-1.0)	Total/NA	Solid	5035	
MB 880-109088/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-109088/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-109088/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-57498-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-57498-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 109226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8043-1	H-1 (0-1.0)	Total/NA	Solid	Total BTEX	
890-8043-2	H-2 (0-1.0)	Total/NA	Solid	Total BTEX	
890-8043-3	H-3 (0-1.0)	Total/NA	Solid	Total BTEX	
890-8043-4	H-4 (0-1.0)	Total/NA	Solid	Total BTEX	
890-8043-5	H-5 (0-1.0)	Total/NA	Solid	Total BTEX	
890-8043-6	H-6 (0-1.0)	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 109026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8043-1	H-1 (0-1.0)	Total/NA	Solid	8015NM Prep	
890-8043-2	H-2 (0-1.0)	Total/NA	Solid	8015NM Prep	
890-8043-3	H-3 (0-1.0)	Total/NA	Solid	8015NM Prep	
MB 880-109026/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-109026/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-109026/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8042-A-8-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Carmona Resources
Project/Site: SOUTH CULEBRA BLUFF UNIT #006

Job ID: 890-8043-1
SDG: Eddy Co New Mexico

GC Semi VOA (Continued)

Prep Batch: 109026 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8042-A-8-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 109028

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8043-4	H-4 (0-1.0)	Total/NA	Solid	8015NM Prep	
890-8043-5	H-5 (0-1.0)	Total/NA	Solid	8015NM Prep	
890-8043-6	H-6 (0-1.0)	Total/NA	Solid	8015NM Prep	
MB 880-109028/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-109028/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-109028/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8043-4 MS	H-4 (0-1.0)	Total/NA	Solid	8015NM Prep	
890-8043-4 MSD	H-4 (0-1.0)	Total/NA	Solid	8015NM Prep	

Analysis Batch: 109150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8043-1	H-1 (0-1.0)	Total/NA	Solid	8015B NM	109026
890-8043-2	H-2 (0-1.0)	Total/NA	Solid	8015B NM	109026
890-8043-3	H-3 (0-1.0)	Total/NA	Solid	8015B NM	109026
MB 880-109026/1-A	Method Blank	Total/NA	Solid	8015B NM	109026
LCS 880-109026/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	109026
LCSD 880-109026/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	109026
890-8042-A-8-B MS	Matrix Spike	Total/NA	Solid	8015B NM	109026
890-8042-A-8-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	109026

Analysis Batch: 109158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8043-4	H-4 (0-1.0)	Total/NA	Solid	8015B NM	109028
890-8043-5	H-5 (0-1.0)	Total/NA	Solid	8015B NM	109028
890-8043-6	H-6 (0-1.0)	Total/NA	Solid	8015B NM	109028
MB 880-109028/1-A	Method Blank	Total/NA	Solid	8015B NM	109028
LCS 880-109028/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	109028
LCSD 880-109028/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	109028
890-8043-4 MS	H-4 (0-1.0)	Total/NA	Solid	8015B NM	109028
890-8043-4 MSD	H-4 (0-1.0)	Total/NA	Solid	8015B NM	109028

Analysis Batch: 109285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8043-1	H-1 (0-1.0)	Total/NA	Solid	8015 NM	
890-8043-2	H-2 (0-1.0)	Total/NA	Solid	8015 NM	
890-8043-3	H-3 (0-1.0)	Total/NA	Solid	8015 NM	
890-8043-4	H-4 (0-1.0)	Total/NA	Solid	8015 NM	
890-8043-5	H-5 (0-1.0)	Total/NA	Solid	8015 NM	
890-8043-6	H-6 (0-1.0)	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 109078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8043-1	H-1 (0-1.0)	Soluble	Solid	DI Leach	
MB 880-109078/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-109078/2-A	Lab Control Sample	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Carmona Resources
Project/Site: SOUTH CULEBRA BLUFF UNIT #006

Job ID: 890-8043-1
SDG: Eddy Co New Mexico

HPLC/IC (Continued)

Leach Batch: 109078 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-109078/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8042-A-6-C MS	Matrix Spike	Soluble	Solid	DI Leach	
890-8042-A-6-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 109079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8043-2	H-2 (0-1.0)	Soluble	Solid	DI Leach	
890-8043-3	H-3 (0-1.0)	Soluble	Solid	DI Leach	
890-8043-4	H-4 (0-1.0)	Soluble	Solid	DI Leach	
890-8043-5	H-5 (0-1.0)	Soluble	Solid	DI Leach	
890-8043-6	H-6 (0-1.0)	Soluble	Solid	DI Leach	
MB 880-109079/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-109079/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-109079/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8043-2 MS	H-2 (0-1.0)	Soluble	Solid	DI Leach	
890-8043-2 MSD	H-2 (0-1.0)	Soluble	Solid	DI Leach	

Analysis Batch: 109084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8043-1	H-1 (0-1.0)	Soluble	Solid	300.0	109078
MB 880-109078/1-A	Method Blank	Soluble	Solid	300.0	109078
LCS 880-109078/2-A	Lab Control Sample	Soluble	Solid	300.0	109078
LCSD 880-109078/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	109078
890-8042-A-6-C MS	Matrix Spike	Soluble	Solid	300.0	109078
890-8042-A-6-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	109078

Analysis Batch: 109101

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8043-2	H-2 (0-1.0)	Soluble	Solid	300.0	109079
890-8043-3	H-3 (0-1.0)	Soluble	Solid	300.0	109079
890-8043-4	H-4 (0-1.0)	Soluble	Solid	300.0	109079
890-8043-5	H-5 (0-1.0)	Soluble	Solid	300.0	109079
890-8043-6	H-6 (0-1.0)	Soluble	Solid	300.0	109079
MB 880-109079/1-A	Method Blank	Soluble	Solid	300.0	109079
LCS 880-109079/2-A	Lab Control Sample	Soluble	Solid	300.0	109079
LCSD 880-109079/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	109079
890-8043-2 MS	H-2 (0-1.0)	Soluble	Solid	300.0	109079
890-8043-2 MSD	H-2 (0-1.0)	Soluble	Solid	300.0	109079

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Lab Chronicle

Client: Carmona Resources
Project/Site: SOUTH CULEBRA BLUFF UNIT #006

Job ID: 890-8043-1
SDG: Eddy Co New Mexico

Client Sample ID: H-1 (0-1.0)

Lab Sample ID: 890-8043-1

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:04

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	109088	04/30/25 12:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109031	05/01/25 01:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109226	05/01/25 01:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			109285	05/01/25 19:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	109026	04/30/25 08:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109150	05/01/25 19:09	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	109078	04/30/25 10:56	SI	EET MID
Soluble	Analysis	300.0		1			109084	04/30/25 21:22	CH	EET MID

Client Sample ID: H-2 (0-1.0)

Lab Sample ID: 890-8043-2

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:04

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	109088	04/30/25 12:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109031	05/01/25 01:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109226	05/01/25 01:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			109285	05/01/25 19:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	109026	04/30/25 08:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109150	05/01/25 19:30	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	109079	04/30/25 10:58	SI	EET MID
Soluble	Analysis	300.0		5			109101	05/01/25 14:06	CH	EET MID

Client Sample ID: H-3 (0-1.0)

Lab Sample ID: 890-8043-3

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	109088	04/30/25 12:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109031	05/01/25 02:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109226	05/01/25 02:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			109285	05/01/25 19:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	109026	04/30/25 08:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109150	05/01/25 19:50	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	109079	04/30/25 10:58	SI	EET MID
Soluble	Analysis	300.0		5			109101	05/01/25 14:27	CH	EET MID

Client Sample ID: H-4 (0-1.0)

Lab Sample ID: 890-8043-4

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:04

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	109088	04/30/25 12:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109031	05/01/25 03:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109226	05/01/25 03:46	SM	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: SOUTH CULEBRA BLUFF UNIT #006

Job ID: 890-8043-1
SDG: Eddy Co New Mexico

Client Sample ID: H-4 (0-1.0)

Lab Sample ID: 890-8043-4

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:04

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			109285	05/01/25 18:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	109028	04/30/25 08:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109158	05/01/25 18:36	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	109079	04/30/25 10:58	SI	EET MID
Soluble	Analysis	300.0		1			109101	05/01/25 14:34	CH	EET MID

Client Sample ID: H-5 (0-1.0)

Lab Sample ID: 890-8043-5

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:04

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	109088	04/30/25 12:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109031	05/01/25 04:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109226	05/01/25 04:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			109285	05/01/25 19:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	109028	04/30/25 08:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109158	05/01/25 19:26	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	109079	04/30/25 10:58	SI	EET MID
Soluble	Analysis	300.0		1			109101	05/01/25 14:41	CH	EET MID

Client Sample ID: H-6 (0-1.0)

Lab Sample ID: 890-8043-6

Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:04

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	109088	04/30/25 12:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109031	05/01/25 04:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109226	05/01/25 04:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			109285	05/01/25 19:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	109028	04/30/25 08:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109158	05/01/25 19:42	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	109079	04/30/25 10:58	SI	EET MID
Soluble	Analysis	300.0		1			109101	05/01/25 14:48	CH	EET MID

Laboratory References:

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

Eurofins Carlsbad

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: SOUTH CULEBRA BLUFF UNIT #006

Job ID: 890-8043-1
SDG: Eddy Co New Mexico

Laboratory: Eurofins Midland

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

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

Method Summary

Client: Carmona Resources
Project/Site: SOUTH CULEBRA BLUFF UNIT #006

Job ID: 890-8043-1
SDG: Eddy Co New Mexico

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

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: SOUTH CULEBRA BLUFF UNIT #006

Job ID: 890-8043-1
SDG: Eddy Co New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-8043-1	H-1 (0-1.0)	Solid	04/29/25 00:00	04/29/25 14:04
890-8043-2	H-2 (0-1.0)	Solid	04/29/25 00:00	04/29/25 14:04
890-8043-3	H-3 (0-1.0)	Solid	04/29/25 00:00	04/29/25 14:04
890-8043-4	H-4 (0-1.0)	Solid	04/29/25 00:00	04/29/25 14:04
890-8043-5	H-5 (0-1.0)	Solid	04/29/25 00:00	04/29/25 14:04
890-8043-6	H-6 (0-1.0)	Solid	04/29/25 00:00	04/29/25 14:04

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Chain of Custody

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:	432-813-8998	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"/> RAP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other: _____	



890-8043 Chain of Custody

ANALYSIS REQUEST						Preservative Codes	
Project Name:	South Culebra Bluff Unit #006	Turn Around	Pres. Code			None: NO	DI Water: H ₂ O
Project Number:	2707	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush					
Project Location:	Eddy Co., New Mexico	Due Date:	Standard			Cool: Cool	Misc: Me
Sampler's Name:		TAT starts the day received by the lab, if received by 4:30pm				HCL: HC	HNO ₃ : HN
PO #:	RP					H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT		Temp Blank:	Yes No	Wet Ice:	Yes (No)	H ₃ PO ₄ : HP	
Received Intact:	Yes No	Thermometer ID:	-02			NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes No	Correction Factor:	3.0			Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:	Yes No	Temperature Reading:	3.0			Zn Acetate+NaOH: Zn	
Total Containers:		Corrected Temperature:	3.0			NaOH+Ascorbic Acid: SAPC	
				HOLD			
Sample Identification				Sample Comments			
H-1 (0-1.0')	4/29/2025		X	X	X		
H-2 (0-1.0')	4/29/2025		X	X	X		
H-3 (0-1.0')	4/29/2025		X	X	X		
H-4 (0-1.0')	4/29/2025		X	X	X		
H-5 (0-1.0')	4/29/2025		X	X	X		
H-6 (0-1.0')	4/29/2025		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>[Signature]</i>	<i>[Signature]</i>	11:04 PM			
3					
5					

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-8043-1

SDG Number: Eddy Co New Mexico

Login Number: 8043

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: 890-8043-1

SDG Number: Eddy Co New Mexico

Login Number: 8043

List Number: 2

Creator: Laing, Edmundo

List Source: Eurofins Midland

List Creation: 04/30/25 08:04 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: Mike Carmona
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 5/22/2025 4:15:17 PM

JOB DESCRIPTION

South Culebra Bluff Unit #006
Eddy Co, New Mexico

JOB NUMBER

880-58383-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



Generated
5/22/2025 4:15:17 PM

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

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Laboratory Job ID: 880-58383-1
SDG: Eddy Co, New Mexico

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	18
QC Sample Results	20
QC Association Summary	26
Lab Chronicle	31
Certification Summary	36
Method Summary	37
Sample Summary	38
Chain of Custody	39
Receipt Checklists	41

1

2

3

4

5

6

7

8

9

10

11

12

13

14

Definitions/Glossary

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 880-58383-1
SDG: Eddy Co, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: South Culebra Bluff Unit #006

Job ID: 880-58383-1

Job ID: 880-58383-1

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Job Narrative 880-58383-1

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 5/21/2025 10:25 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.6°C.

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: The method blank for preparation batch 880-110558 and analytical batch 880-110591 contained Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: Spike compounds were inadvertently omitted during the extraction process for the matrix spike/matrix spike duplicate (MS/MSD); therefore, matrix spike recoveries are unavailable for preparation batch 880-110621 and analytical batch 880-110717. The associated laboratory control sample (LCS) met acceptance criteria.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-110629 and analytical batch 880-110640 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

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Client Sample Results

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 880-58383-1
SDG: Eddy Co, New Mexico

Client Sample ID: CS-1 (6')

Lab Sample ID: 880-58383-1

Date Collected: 05/20/25 00:00

Matrix: Solid

Date Received: 05/21/25 10:25

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		05/21/25 11:37	05/21/25 16:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/21/25 11:37	05/21/25 16:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/21/25 11:37	05/21/25 16:06	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/21/25 11:37	05/21/25 16:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/21/25 11:37	05/21/25 16:06	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/21/25 11:37	05/21/25 16:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	05/21/25 11:37	05/21/25 16:06	1
1,4-Difluorobenzene (Surr)	92		70 - 130	05/21/25 11:37	05/21/25 16:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/21/25 16:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/21/25 15:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		05/21/25 10:55	05/21/25 15:25	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		05/21/25 10:55	05/21/25 15:25	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/21/25 10:55	05/21/25 15:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	105		70 - 130	05/21/25 10:55	05/21/25 15:25	1
o-Terphenyl (Surr)	113		70 - 130	05/21/25 10:55	05/21/25 15:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	145		9.96		mg/Kg			05/21/25 20:11	1

Client Sample ID: CS-2 (6')

Lab Sample ID: 880-58383-2

Date Collected: 05/20/25 00:00

Matrix: Solid

Date Received: 05/21/25 10:25

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		05/21/25 11:37	05/21/25 16:27	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/21/25 11:37	05/21/25 16:27	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/21/25 11:37	05/21/25 16:27	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/21/25 11:37	05/21/25 16:27	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/21/25 11:37	05/21/25 16:27	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/21/25 11:37	05/21/25 16:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130	05/21/25 11:37	05/21/25 16:27	1
1,4-Difluorobenzene (Surr)	105		70 - 130	05/21/25 11:37	05/21/25 16:27	1

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Client Sample Results

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 880-58383-1
SDG: Eddy Co, New Mexico

Client Sample ID: CS-2 (6')

Lab Sample ID: 880-58383-2

Date Collected: 05/20/25 00:00

Matrix: Solid

Date Received: 05/21/25 10:25

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			05/21/25 16:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			05/21/25 15:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		05/21/25 10:55	05/21/25 15:40	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		05/21/25 10:55	05/21/25 15:40	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		05/21/25 10:55	05/21/25 15:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	109		70 - 130				05/21/25 10:55	05/21/25 15:40	1
o-Terphenyl (Surr)	115		70 - 130				05/21/25 10:55	05/21/25 15:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	151		9.98		mg/Kg			05/21/25 20:18	1

Client Sample ID: CS-3 (6')

Lab Sample ID: 880-58383-3

Date Collected: 05/20/25 00:00

Matrix: Solid

Date Received: 05/21/25 10:25

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		05/21/25 11:37	05/21/25 16:47	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/21/25 11:37	05/21/25 16:47	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/21/25 11:37	05/21/25 16:47	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		05/21/25 11:37	05/21/25 16:47	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/21/25 11:37	05/21/25 16:47	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/21/25 11:37	05/21/25 16:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				05/21/25 11:37	05/21/25 16:47	1
1,4-Difluorobenzene (Surr)	103		70 - 130				05/21/25 11:37	05/21/25 16:47	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			05/21/25 16:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/21/25 15:55	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		05/21/25 10:55	05/21/25 15:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/21/25 10:55	05/21/25 15:55	1

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Client Sample Results

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 880-58383-1
SDG: Eddy Co, New Mexico

Client Sample ID: CS-3 (6')

Lab Sample ID: 880-58383-3

Date Collected: 05/20/25 00:00

Matrix: Solid

Date Received: 05/21/25 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/21/25 10:55	05/21/25 15:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	106		70 - 130				05/21/25 10:55	05/21/25 15:55	1
o-Terphenyl (Surr)	115		70 - 130				05/21/25 10:55	05/21/25 15:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	809		10.0		mg/Kg			05/21/25 20:25	1

Client Sample ID: CS-4 (6')

Lab Sample ID: 880-58383-4

Date Collected: 05/20/25 00:00

Matrix: Solid

Date Received: 05/21/25 10:25

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		05/21/25 11:37	05/21/25 17:08	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/21/25 11:37	05/21/25 17:08	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/21/25 11:37	05/21/25 17:08	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/21/25 11:37	05/21/25 17:08	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/21/25 11:37	05/21/25 17:08	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/21/25 11:37	05/21/25 17:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				05/21/25 11:37	05/21/25 17:08	1
1,4-Difluorobenzene (Surr)	101		70 - 130				05/21/25 11:37	05/21/25 17:08	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			05/21/25 17:08	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			05/21/25 16:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/21/25 10:55	05/21/25 16:09	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/21/25 10:55	05/21/25 16:09	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/21/25 10:55	05/21/25 16:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	104		70 - 130				05/21/25 10:55	05/21/25 16:09	1
o-Terphenyl (Surr)	111		70 - 130				05/21/25 10:55	05/21/25 16:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	268		10.0		mg/Kg			05/21/25 20:32	1

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Client Sample Results

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 880-58383-1
SDG: Eddy Co, New Mexico

Client Sample ID: CS-5 (6')

Lab Sample ID: 880-58383-5

Date Collected: 05/20/25 00:00

Matrix: Solid

Date Received: 05/21/25 10:25

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		05/21/25 11:37	05/21/25 17:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/21/25 11:37	05/21/25 17:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/21/25 11:37	05/21/25 17:28	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/21/25 11:37	05/21/25 17:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/21/25 11:37	05/21/25 17:28	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/21/25 11:37	05/21/25 17:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	05/21/25 11:37	05/21/25 17:28	1
1,4-Difluorobenzene (Surr)	100		70 - 130	05/21/25 11:37	05/21/25 17:28	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			05/21/25 17:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			05/21/25 16:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		05/21/25 10:55	05/21/25 16:24	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		05/21/25 10:55	05/21/25 16:24	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		05/21/25 10:55	05/21/25 16:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	103		70 - 130	05/21/25 10:55	05/21/25 16:24	1
o-Terphenyl (Surr)	109		70 - 130	05/21/25 10:55	05/21/25 16:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	262		10.1		mg/Kg			05/21/25 20:39	1

Client Sample ID: CS-6 (6')

Lab Sample ID: 880-58383-6

Date Collected: 05/20/25 00:00

Matrix: Solid

Date Received: 05/21/25 10:25

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		05/21/25 11:37	05/21/25 17:49	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/21/25 11:37	05/21/25 17:49	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/21/25 11:37	05/21/25 17:49	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		05/21/25 11:37	05/21/25 17:49	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/21/25 11:37	05/21/25 17:49	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/21/25 11:37	05/21/25 17:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	05/21/25 11:37	05/21/25 17:49	1
1,4-Difluorobenzene (Surr)	101		70 - 130	05/21/25 11:37	05/21/25 17:49	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 880-58383-1
SDG: Eddy Co, New Mexico

Client Sample ID: CS-6 (6')

Lab Sample ID: 880-58383-6

Date Collected: 05/20/25 00:00

Matrix: Solid

Date Received: 05/21/25 10:25

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			05/21/25 17:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			05/21/25 16:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		05/21/25 10:55	05/21/25 16:39	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		05/21/25 10:55	05/21/25 16:39	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		05/21/25 10:55	05/21/25 16:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	104		70 - 130				05/21/25 10:55	05/21/25 16:39	1
o-Terphenyl (Surr)	111		70 - 130				05/21/25 10:55	05/21/25 16:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	231		10.1		mg/Kg			05/21/25 20:46	1

Client Sample ID: CS-7 (6')

Lab Sample ID: 880-58383-7

Date Collected: 05/20/25 00:00

Matrix: Solid

Date Received: 05/21/25 10:25

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		05/21/25 11:37	05/21/25 18:09	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/21/25 11:37	05/21/25 18:09	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/21/25 11:37	05/21/25 18:09	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/21/25 11:37	05/21/25 18:09	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/21/25 11:37	05/21/25 18:09	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/21/25 11:37	05/21/25 18:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				05/21/25 11:37	05/21/25 18:09	1
1,4-Difluorobenzene (Surr)	100		70 - 130				05/21/25 11:37	05/21/25 18:09	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			05/21/25 18:09	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			05/21/25 16:54	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		05/21/25 10:55	05/21/25 16:54	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/21/25 10:55	05/21/25 16:54	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 880-58383-1
SDG: Eddy Co, New Mexico

Client Sample ID: CS-7 (6')

Lab Sample ID: 880-58383-7

Date Collected: 05/20/25 00:00

Matrix: Solid

Date Received: 05/21/25 10:25

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		05/21/25 10:55	05/21/25 16:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	101		70 - 130				05/21/25 10:55	05/21/25 16:54	1
o-Terphenyl (Surr)	107		70 - 130				05/21/25 10:55	05/21/25 16:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	367		9.96		mg/Kg			05/21/25 20:53	1

Client Sample ID: CS-8 (6')

Lab Sample ID: 880-58383-8

Date Collected: 05/20/25 00:00

Matrix: Solid

Date Received: 05/21/25 10:25

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		05/21/25 11:37	05/21/25 18:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/21/25 11:37	05/21/25 18:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/21/25 11:37	05/21/25 18:30	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		05/21/25 11:37	05/21/25 18:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/21/25 11:37	05/21/25 18:30	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/21/25 11:37	05/21/25 18:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				05/21/25 11:37	05/21/25 18:30	1
1,4-Difluorobenzene (Surr)	100		70 - 130				05/21/25 11:37	05/21/25 18:30	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			05/21/25 18:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/21/25 17:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/21/25 10:55	05/21/25 17:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/21/25 10:55	05/21/25 17:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/21/25 10:55	05/21/25 17:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	101		70 - 130				05/21/25 10:55	05/21/25 17:09	1
o-Terphenyl (Surr)	107		70 - 130				05/21/25 10:55	05/21/25 17:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	298		9.92		mg/Kg			05/21/25 21:50	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 880-58383-1
SDG: Eddy Co, New Mexico

Client Sample ID: CS-9 (2')

Lab Sample ID: 880-58383-9

Date Collected: 05/20/25 00:00

Matrix: Solid

Date Received: 05/21/25 10:25

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		05/21/25 11:37	05/21/25 18:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/21/25 11:37	05/21/25 18:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/21/25 11:37	05/21/25 18:50	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		05/21/25 11:37	05/21/25 18:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/21/25 11:37	05/21/25 18:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/21/25 11:37	05/21/25 18:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	05/21/25 11:37	05/21/25 18:50	1
1,4-Difluorobenzene (Surr)	99		70 - 130	05/21/25 11:37	05/21/25 18:50	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			05/21/25 18:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/22/25 11:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U F1	50.1		mg/Kg		05/21/25 11:34	05/22/25 11:00	1
Diesel Range Organics (Over C10-C28)	<50.1	U F1	50.1		mg/Kg		05/21/25 11:34	05/22/25 11:00	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/21/25 11:34	05/22/25 11:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	117		70 - 130	05/21/25 11:34	05/22/25 11:00	1
o-Terphenyl (Surr)	105		70 - 130	05/21/25 11:34	05/22/25 11:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	347		9.96		mg/Kg			05/21/25 22:11	1

Client Sample ID: CS-10 (2')

Lab Sample ID: 880-58383-10

Date Collected: 05/20/25 00:00

Matrix: Solid

Date Received: 05/21/25 10:25

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		05/21/25 11:37	05/21/25 19:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/21/25 11:37	05/21/25 19:11	1
Ethylbenzene	0.00300		0.00200		mg/Kg		05/21/25 11:37	05/21/25 19:11	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/21/25 11:37	05/21/25 19:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/21/25 11:37	05/21/25 19:11	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/21/25 11:37	05/21/25 19:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	71		70 - 130	05/21/25 11:37	05/21/25 19:11	1
1,4-Difluorobenzene (Surr)	99		70 - 130	05/21/25 11:37	05/21/25 19:11	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 880-58383-1
SDG: Eddy Co, New Mexico

Client Sample ID: CS-10 (2')

Lab Sample ID: 880-58383-10

Date Collected: 05/20/25 00:00

Matrix: Solid

Date Received: 05/21/25 10:25

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			05/21/25 19:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/22/25 11:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		05/21/25 11:34	05/22/25 11:49	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/21/25 11:34	05/22/25 11:49	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/21/25 11:34	05/22/25 11:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	117		70 - 130				05/21/25 11:34	05/22/25 11:49	1
o-Terphenyl (Surr)	102		70 - 130				05/21/25 11:34	05/22/25 11:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	282		9.98		mg/Kg			05/21/25 22:18	1

Client Sample ID: CS-11 (2')

Lab Sample ID: 880-58383-11

Date Collected: 05/20/25 00:00

Matrix: Solid

Date Received: 05/21/25 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/21/25 11:37	05/21/25 20:45	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/21/25 11:37	05/21/25 20:45	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/21/25 11:37	05/21/25 20:45	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		05/21/25 11:37	05/21/25 20:45	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/21/25 11:37	05/21/25 20:45	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/21/25 11:37	05/21/25 20:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				05/21/25 11:37	05/21/25 20:45	1
1,4-Difluorobenzene (Surr)	91		70 - 130				05/21/25 11:37	05/21/25 20:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			05/21/25 20:45	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			05/22/25 12:05	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	<49.8	U	49.8		mg/Kg		05/21/25 11:34	05/22/25 12:05	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/21/25 11:34	05/22/25 12:05	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 880-58383-1
SDG: Eddy Co, New Mexico

Client Sample ID: CS-11 (2')

Lab Sample ID: 880-58383-11

Date Collected: 05/20/25 00:00

Matrix: Solid

Date Received: 05/21/25 10:25

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		05/21/25 11:34	05/22/25 12:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	105		70 - 130				05/21/25 11:34	05/22/25 12:05	1
o-Terphenyl (Surr)	93		70 - 130				05/21/25 11:34	05/22/25 12:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	132		9.96		mg/Kg			05/21/25 22:25	1

Client Sample ID: CS-12 (2')

Lab Sample ID: 880-58383-12

Date Collected: 05/20/25 00:00

Matrix: Solid

Date Received: 05/21/25 10:25

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		05/21/25 11:37	05/21/25 21:05	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/21/25 11:37	05/21/25 21:05	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/21/25 11:37	05/21/25 21:05	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/21/25 11:37	05/21/25 21:05	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/21/25 11:37	05/21/25 21:05	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/21/25 11:37	05/21/25 21:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130				05/21/25 11:37	05/21/25 21:05	1
1,4-Difluorobenzene (Surr)	104		70 - 130				05/21/25 11:37	05/21/25 21:05	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			05/21/25 21:05	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			05/22/25 12:22	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		05/21/25 11:34	05/22/25 12:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/21/25 11:34	05/22/25 12:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/21/25 11:34	05/22/25 12:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	105		70 - 130				05/21/25 11:34	05/22/25 12:22	1
o-Terphenyl (Surr)	95		70 - 130				05/21/25 11:34	05/22/25 12:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	164		10.1		mg/Kg			05/21/25 22:32	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 880-58383-1
SDG: Eddy Co, New Mexico

Client Sample ID: CS-13 (2')

Lab Sample ID: 880-58383-13

Date Collected: 05/20/25 00:00

Matrix: Solid

Date Received: 05/21/25 10:25

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		05/21/25 11:37	05/21/25 21:26	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/21/25 11:37	05/21/25 21:26	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/21/25 11:37	05/21/25 21:26	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		05/21/25 11:37	05/21/25 21:26	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/21/25 11:37	05/21/25 21:26	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/21/25 11:37	05/21/25 21:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	05/21/25 11:37	05/21/25 21:26	1
1,4-Difluorobenzene (Surr)	100		70 - 130	05/21/25 11:37	05/21/25 21:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			05/21/25 21:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/22/25 12:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		05/21/25 11:34	05/22/25 12:38	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		05/21/25 11:34	05/22/25 12:38	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/21/25 11:34	05/22/25 12:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	108		70 - 130	05/21/25 11:34	05/22/25 12:38	1
o-Terphenyl (Surr)	97		70 - 130	05/21/25 11:34	05/22/25 12:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	131		9.94		mg/Kg			05/21/25 22:54	1

Client Sample ID: CS-14 (2')

Lab Sample ID: 880-58383-14

Date Collected: 05/20/25 00:00

Matrix: Solid

Date Received: 05/21/25 10:25

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		05/21/25 11:37	05/21/25 21:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/21/25 11:37	05/21/25 21:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/21/25 11:37	05/21/25 21:46	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		05/21/25 11:37	05/21/25 21:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/21/25 11:37	05/21/25 21:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/21/25 11:37	05/21/25 21:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	05/21/25 11:37	05/21/25 21:46	1
1,4-Difluorobenzene (Surr)	101		70 - 130	05/21/25 11:37	05/21/25 21:46	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 880-58383-1
SDG: Eddy Co, New Mexico

Client Sample ID: CS-14 (2')

Lab Sample ID: 880-58383-14

Date Collected: 05/20/25 00:00

Matrix: Solid

Date Received: 05/21/25 10:25

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			05/21/25 21:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			05/22/25 12:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		05/21/25 11:34	05/22/25 12:54	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		05/21/25 11:34	05/22/25 12:54	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		05/21/25 11:34	05/22/25 12:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	106		70 - 130				05/21/25 11:34	05/22/25 12:54	1
o-Terphenyl (Surr)	97		70 - 130				05/21/25 11:34	05/22/25 12:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	455		9.96		mg/Kg			05/21/25 23:01	1

Client Sample ID: CS-15 (2')

Lab Sample ID: 880-58383-15

Date Collected: 05/20/25 00:00

Matrix: Solid

Date Received: 05/21/25 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/21/25 11:37	05/21/25 22:07	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/21/25 11:37	05/21/25 22:07	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/21/25 11:37	05/21/25 22:07	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		05/21/25 11:37	05/21/25 22:07	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/21/25 11:37	05/21/25 22:07	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/21/25 11:37	05/21/25 22:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				05/21/25 11:37	05/21/25 22:07	1
1,4-Difluorobenzene (Surr)	99		70 - 130				05/21/25 11:37	05/21/25 22:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			05/21/25 22:07	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			05/22/25 13:11	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		05/21/25 11:34	05/22/25 13:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/21/25 11:34	05/22/25 13:11	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 880-58383-1
SDG: Eddy Co, New Mexico

Client Sample ID: CS-15 (2')

Lab Sample ID: 880-58383-15

Date Collected: 05/20/25 00:00

Matrix: Solid

Date Received: 05/21/25 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/21/25 11:34	05/22/25 13:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	103		70 - 130				05/21/25 11:34	05/22/25 13:11	1
o-Terphenyl (Surr)	95		70 - 130				05/21/25 11:34	05/22/25 13:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	179		10.1		mg/Kg			05/21/25 23:08	1

Client Sample ID: CS-16 (2')

Lab Sample ID: 880-58383-16

Date Collected: 05/20/25 00:00

Matrix: Solid

Date Received: 05/21/25 10:25

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		05/21/25 11:37	05/21/25 22:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/21/25 11:37	05/21/25 22:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/21/25 11:37	05/21/25 22:27	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		05/21/25 11:37	05/21/25 22:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/21/25 11:37	05/21/25 22:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/21/25 11:37	05/21/25 22:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				05/21/25 11:37	05/21/25 22:27	1
1,4-Difluorobenzene (Surr)	98		70 - 130				05/21/25 11:37	05/21/25 22:27	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			05/21/25 22:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/22/25 13:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		05/21/25 11:34	05/22/25 13:27	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/21/25 11:34	05/22/25 13:27	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/21/25 11:34	05/22/25 13:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	111		70 - 130				05/21/25 11:34	05/22/25 13:27	1
o-Terphenyl (Surr)	99		70 - 130				05/21/25 11:34	05/22/25 13:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	315		9.96		mg/Kg			05/21/25 23:15	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 880-58383-1
SDG: Eddy Co, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-58383-1	CS-1 (6')	103	92
880-58383-1 MS	CS-1 (6')	97	107
880-58383-1 MSD	CS-1 (6')	104	102
880-58383-2	CS-2 (6')	83	105
880-58383-3	CS-3 (6')	92	103
880-58383-4	CS-4 (6')	95	101
880-58383-5	CS-5 (6')	91	100
880-58383-6	CS-6 (6')	90	101
880-58383-7	CS-7 (6')	99	100
880-58383-8	CS-8 (6')	92	100
880-58383-9	CS-9 (2')	90	99
880-58383-10	CS-10 (2')	71	99
880-58383-11	CS-11 (2')	104	91
880-58383-12	CS-12 (2')	87	104
880-58383-13	CS-13 (2')	91	100
880-58383-14	CS-14 (2')	91	101
880-58383-15	CS-15 (2')	93	99
880-58383-16	CS-16 (2')	91	98
LCS 880-110626/1-A	Lab Control Sample	89	106
LCSD 880-110626/2-A	Lab Control Sample Dup	97	103
MB 880-110626/5-A	Method Blank	102	89
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-58383-1	CS-1 (6')	105	113
880-58383-2	CS-2 (6')	109	115
880-58383-3	CS-3 (6')	106	115
880-58383-4	CS-4 (6')	104	111
880-58383-5	CS-5 (6')	103	109
880-58383-6	CS-6 (6')	104	111
880-58383-7	CS-7 (6')	101	107
880-58383-8	CS-8 (6')	101	107
880-58383-9	CS-9 (2')	117	105
880-58383-9 MS	CS-9 (2')	115	104
880-58383-9 MSD	CS-9 (2')	117	104
880-58383-10	CS-10 (2')	117	102
880-58383-11	CS-11 (2')	105	93
880-58383-12	CS-12 (2')	105	95
880-58383-13	CS-13 (2')	108	97
880-58383-14	CS-14 (2')	106	97
880-58383-15	CS-15 (2')	103	95
880-58383-16	CS-16 (2')	111	99

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Surrogate Summary

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 880-58383-1
SDG: Eddy Co, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)				
890-8185-A-1-B MS	Matrix Spike	118	119				
890-8185-A-1-C MSD	Matrix Spike Duplicate	120	121				
LCS 880-110558/2-A	Lab Control Sample	124	125				
LCS 880-110621/2-A	Lab Control Sample	97	101				
LCSD 880-110558/3-A	Lab Control Sample Dup	118	116				
LCSD 880-110621/3-A	Lab Control Sample Dup	114	117				
MB 880-110558/1-A	Method Blank	119	128				
MB 880-110621/1-A	Method Blank	114	104				
Surrogate Legend							
1CO = 1-Chlorooctane (Surr)							
OTPH = o-Terphenyl (Surr)							

QC Sample Results

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 880-58383-1
SDG: Eddy Co, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-110626/5-A

Matrix: Solid

Analysis Batch: 110631

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 110626

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/21/25 11:37	05/21/25 15:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/21/25 11:37	05/21/25 15:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/21/25 11:37	05/21/25 15:44	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/21/25 11:37	05/21/25 15:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/21/25 11:37	05/21/25 15:44	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/21/25 11:37	05/21/25 15:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	05/21/25 11:37	05/21/25 15:44	1
1,4-Difluorobenzene (Surr)	89		70 - 130	05/21/25 11:37	05/21/25 15:44	1

Lab Sample ID: LCS 880-110626/1-A

Matrix: Solid

Analysis Batch: 110631

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 110626

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1176		mg/Kg		118	70 - 130
Toluene	0.100	0.09364		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.09709		mg/Kg		97	70 - 130
m,p-Xylenes	0.200	0.1986		mg/Kg		99	70 - 130
o-Xylene	0.100	0.09861		mg/Kg		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	89		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: LCSD 880-110626/2-A

Matrix: Solid

Analysis Batch: 110631

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 110626

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1135		mg/Kg		113	70 - 130	4	35
Toluene	0.100	0.09512		mg/Kg		95	70 - 130	2	35
Ethylbenzene	0.100	0.09910		mg/Kg		99	70 - 130	2	35
m,p-Xylenes	0.200	0.2070		mg/Kg		104	70 - 130	4	35
o-Xylene	0.100	0.1028		mg/Kg		103	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-58383-1 MS

Matrix: Solid

Analysis Batch: 110631

Client Sample ID: CS-1 (6')

Prep Type: Total/NA

Prep Batch: 110626

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1180		mg/Kg		118	70 - 130
Toluene	<0.00200	U	0.100	0.09330		mg/Kg		93	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 880-58383-1
SDG: Eddy Co, New Mexico

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

Lab Sample ID: 880-58383-1 MS

Matrix: Solid

Analysis Batch: 110631

Client Sample ID: CS-1 (6')

Prep Type: Total/NA

Prep Batch: 110626

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.09389		mg/Kg		94	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1923		mg/Kg		96	70 - 130
o-Xylene	<0.00200	U	0.100	0.09428		mg/Kg		94	70 - 130
Surrogate	%Recovery	MS Qualifier	MS Limits						
4-Bromofluorobenzene (Surr)	97		70 - 130						
1,4-Difluorobenzene (Surr)	107		70 - 130						

Lab Sample ID: 880-58383-1 MSD

Matrix: Solid

Analysis Batch: 110631

Client Sample ID: CS-1 (6')

Prep Type: Total/NA

Prep Batch: 110626

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	0.1053		mg/Kg		105	70 - 130	11	35
Toluene	<0.00200	U	0.100	0.09408		mg/Kg		94	70 - 130	1	35
Ethylbenzene	<0.00200	U	0.100	0.09884		mg/Kg		99	70 - 130	5	35
m,p-Xylenes	<0.00399	U	0.200	0.2086		mg/Kg		104	70 - 130	8	35
o-Xylene	<0.00200	U	0.100	0.1022		mg/Kg		102	70 - 130	8	35
Surrogate	%Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	104		70 - 130								
1,4-Difluorobenzene (Surr)	102		70 - 130								

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

Lab Sample ID: MB 880-110558/1-A

Matrix: Solid

Analysis Batch: 110591

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 110558

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		05/20/25 16:23	05/21/25 08:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/20/25 16:23	05/21/25 08:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/20/25 16:23	05/21/25 08:07	1
Surrogate	%Recovery	MB Qualifier	MB Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	119		70 - 130				05/20/25 16:23	05/21/25 08:07	1
o-Terphenyl (Surr)	128		70 - 130				05/20/25 16:23	05/21/25 08:07	1

Lab Sample ID: LCS 880-110558/2-A

Matrix: Solid

Analysis Batch: 110591

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 110558

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1051		mg/Kg		105	70 - 130
Diesel Range Organics (Over C10-C28)	1000	916.2		mg/Kg		92	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 880-58383-1
SDG: Eddy Co, New Mexico

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

Lab Sample ID: LCS 880-110558/2-A

Matrix: Solid

Analysis Batch: 110591

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 110558

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	124		70 - 130
o-Terphenyl (Surr)	125		70 - 130

Lab Sample ID: LCSD 880-110558/3-A

Matrix: Solid

Analysis Batch: 110591

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 110558

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1015		mg/Kg		101	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	897.3		mg/Kg		90	70 - 130	2	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	118		70 - 130
o-Terphenyl (Surr)	116		70 - 130

Lab Sample ID: 890-8185-A-1-B MS

Matrix: Solid

Analysis Batch: 110591

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 110558

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	859.2		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	999	777.8		mg/Kg		78	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	118		70 - 130
o-Terphenyl (Surr)	119		70 - 130

Lab Sample ID: 890-8185-A-1-C MSD

Matrix: Solid

Analysis Batch: 110591

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 110558

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	886.9		mg/Kg		89	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	846.2		mg/Kg		85	70 - 130	8	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	120		70 - 130
o-Terphenyl (Surr)	121		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 880-58383-1
SDG: Eddy Co, New Mexico

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

Lab Sample ID: MB 880-110621/1-A

Matrix: Solid

Analysis Batch: 110717

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 110621

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		05/21/25 11:34	05/22/25 08:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/21/25 11:34	05/22/25 08:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/21/25 11:34	05/22/25 08:48	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	114		70 - 130				05/21/25 11:34	05/22/25 08:48	1
o-Terphenyl (Surr)	104		70 - 130				05/21/25 11:34	05/22/25 08:48	1

Lab Sample ID: LCS 880-110621/2-A

Matrix: Solid

Analysis Batch: 110717

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 110621

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1087		mg/Kg		109	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1110		mg/Kg		111	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane (Surr)	97		70 - 130				
o-Terphenyl (Surr)	101		70 - 130				

Lab Sample ID: LCSD 880-110621/3-A

Matrix: Solid

Analysis Batch: 110717

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 110621

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1116		mg/Kg		112	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	1126		mg/Kg		113	70 - 130	1	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane (Surr)	114		70 - 130						
o-Terphenyl (Surr)	117		70 - 130						

Lab Sample ID: 880-58383-9 MS

Matrix: Solid

Analysis Batch: 110717

Client Sample ID: CS-9 (2')

Prep Type: Total/NA

Prep Batch: 110621

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.1	U F1	995	<49.8	U F1	mg/Kg		0	70 - 130
Diesel Range Organics (Over C10-C28)	<50.1	U F1	995	<49.8	U F1	mg/Kg		0	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 880-58383-1
SDG: Eddy Co, New Mexico

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

Lab Sample ID: 880-58383-9 MS

Matrix: Solid

Analysis Batch: 110717

Client Sample ID: CS-9 (2')

Prep Type: Total/NA

Prep Batch: 110621

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	115		70 - 130
o-Terphenyl (Surr)	104		70 - 130

Lab Sample ID: 880-58383-9 MSD

Matrix: Solid

Analysis Batch: 110717

Client Sample ID: CS-9 (2')

Prep Type: Total/NA

Prep Batch: 110621

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.1	U F1	995	<49.8	U F1	mg/Kg		0	70 - 130	NC	20
Diesel Range Organics (Over C10-C28)	<50.1	U F1	995	<49.8	U F1	mg/Kg		0	70 - 130	NC	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	117		70 - 130
o-Terphenyl (Surr)	104		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-110629/1-A

Matrix: Solid

Analysis Batch: 110640

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			05/21/25 17:21	1

Lab Sample ID: LCS 880-110629/2-A

Matrix: Solid

Analysis Batch: 110640

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	257.8		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-110629/3-A

Matrix: Solid

Analysis Batch: 110640

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	258.4		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 880-58380-A-10-B MS

Matrix: Solid

Analysis Batch: 110640

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	3250	F1	1260	4913	F1	mg/Kg		132	90 - 110

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 880-58383-1
SDG: Eddy Co, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-58380-A-10-C MSD

Matrix: Solid

Analysis Batch: 110642

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	3250	F1	1260	4925	F1	mg/Kg		133	90 - 110	0	20

Lab Sample ID: MB 880-110632/1-A

Matrix: Solid

Analysis Batch: 110642

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			05/21/25 21:29	1

Lab Sample ID: LCS 880-110632/2-A

Matrix: Solid

Analysis Batch: 110642

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	257.6		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-110632/3-A

Matrix: Solid

Analysis Batch: 110642

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	256.3		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 880-58383-8 MS

Matrix: Solid

Analysis Batch: 110642

Client Sample ID: CS-8 (6')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	298		248	565.6		mg/Kg		108	90 - 110

Lab Sample ID: 880-58383-8 MSD

Matrix: Solid

Analysis Batch: 110642

Client Sample ID: CS-8 (6')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	298		248	563.9		mg/Kg		107	90 - 110	0	20

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 880-58383-1
SDG: Eddy Co, New Mexico

GC VOA

Prep Batch: 110626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58383-1	CS-1 (6')	Total/NA	Solid	5035	
880-58383-2	CS-2 (6')	Total/NA	Solid	5035	
880-58383-3	CS-3 (6')	Total/NA	Solid	5035	
880-58383-4	CS-4 (6')	Total/NA	Solid	5035	
880-58383-5	CS-5 (6')	Total/NA	Solid	5035	
880-58383-6	CS-6 (6')	Total/NA	Solid	5035	
880-58383-7	CS-7 (6')	Total/NA	Solid	5035	
880-58383-8	CS-8 (6')	Total/NA	Solid	5035	
880-58383-9	CS-9 (2')	Total/NA	Solid	5035	
880-58383-10	CS-10 (2')	Total/NA	Solid	5035	
880-58383-11	CS-11 (2')	Total/NA	Solid	5035	
880-58383-12	CS-12 (2')	Total/NA	Solid	5035	
880-58383-13	CS-13 (2')	Total/NA	Solid	5035	
880-58383-14	CS-14 (2')	Total/NA	Solid	5035	
880-58383-15	CS-15 (2')	Total/NA	Solid	5035	
880-58383-16	CS-16 (2')	Total/NA	Solid	5035	
MB 880-110626/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-110626/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-110626/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-58383-1 MS	CS-1 (6')	Total/NA	Solid	5035	
880-58383-1 MSD	CS-1 (6')	Total/NA	Solid	5035	

Analysis Batch: 110631

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58383-1	CS-1 (6')	Total/NA	Solid	8021B	110626
880-58383-2	CS-2 (6')	Total/NA	Solid	8021B	110626
880-58383-3	CS-3 (6')	Total/NA	Solid	8021B	110626
880-58383-4	CS-4 (6')	Total/NA	Solid	8021B	110626
880-58383-5	CS-5 (6')	Total/NA	Solid	8021B	110626
880-58383-6	CS-6 (6')	Total/NA	Solid	8021B	110626
880-58383-7	CS-7 (6')	Total/NA	Solid	8021B	110626
880-58383-8	CS-8 (6')	Total/NA	Solid	8021B	110626
880-58383-9	CS-9 (2')	Total/NA	Solid	8021B	110626
880-58383-10	CS-10 (2')	Total/NA	Solid	8021B	110626
880-58383-11	CS-11 (2')	Total/NA	Solid	8021B	110626
880-58383-12	CS-12 (2')	Total/NA	Solid	8021B	110626
880-58383-13	CS-13 (2')	Total/NA	Solid	8021B	110626
880-58383-14	CS-14 (2')	Total/NA	Solid	8021B	110626
880-58383-15	CS-15 (2')	Total/NA	Solid	8021B	110626
880-58383-16	CS-16 (2')	Total/NA	Solid	8021B	110626
MB 880-110626/5-A	Method Blank	Total/NA	Solid	8021B	110626
LCS 880-110626/1-A	Lab Control Sample	Total/NA	Solid	8021B	110626
LCSD 880-110626/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	110626
880-58383-1 MS	CS-1 (6')	Total/NA	Solid	8021B	110626
880-58383-1 MSD	CS-1 (6')	Total/NA	Solid	8021B	110626

Analysis Batch: 110741

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58383-1	CS-1 (6')	Total/NA	Solid	Total BTEX	
880-58383-2	CS-2 (6')	Total/NA	Solid	Total BTEX	
880-58383-3	CS-3 (6')	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 880-58383-1
SDG: Eddy Co, New Mexico

GC VOA (Continued)

Analysis Batch: 110741 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58383-4	CS-4 (6')	Total/NA	Solid	Total BTEX	
880-58383-5	CS-5 (6')	Total/NA	Solid	Total BTEX	
880-58383-6	CS-6 (6')	Total/NA	Solid	Total BTEX	
880-58383-7	CS-7 (6')	Total/NA	Solid	Total BTEX	
880-58383-8	CS-8 (6')	Total/NA	Solid	Total BTEX	
880-58383-9	CS-9 (2')	Total/NA	Solid	Total BTEX	
880-58383-10	CS-10 (2')	Total/NA	Solid	Total BTEX	
880-58383-11	CS-11 (2')	Total/NA	Solid	Total BTEX	
880-58383-12	CS-12 (2')	Total/NA	Solid	Total BTEX	
880-58383-13	CS-13 (2')	Total/NA	Solid	Total BTEX	
880-58383-14	CS-14 (2')	Total/NA	Solid	Total BTEX	
880-58383-15	CS-15 (2')	Total/NA	Solid	Total BTEX	
880-58383-16	CS-16 (2')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 110558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58383-1	CS-1 (6')	Total/NA	Solid	8015NM Prep	
880-58383-2	CS-2 (6')	Total/NA	Solid	8015NM Prep	
880-58383-3	CS-3 (6')	Total/NA	Solid	8015NM Prep	
880-58383-4	CS-4 (6')	Total/NA	Solid	8015NM Prep	
880-58383-5	CS-5 (6')	Total/NA	Solid	8015NM Prep	
880-58383-6	CS-6 (6')	Total/NA	Solid	8015NM Prep	
880-58383-7	CS-7 (6')	Total/NA	Solid	8015NM Prep	
880-58383-8	CS-8 (6')	Total/NA	Solid	8015NM Prep	
MB 880-110558/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-110558/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-110558/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8185-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-8185-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 110591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58383-1	CS-1 (6')	Total/NA	Solid	8015B NM	110558
880-58383-2	CS-2 (6')	Total/NA	Solid	8015B NM	110558
880-58383-3	CS-3 (6')	Total/NA	Solid	8015B NM	110558
880-58383-4	CS-4 (6')	Total/NA	Solid	8015B NM	110558
880-58383-5	CS-5 (6')	Total/NA	Solid	8015B NM	110558
880-58383-6	CS-6 (6')	Total/NA	Solid	8015B NM	110558
880-58383-7	CS-7 (6')	Total/NA	Solid	8015B NM	110558
880-58383-8	CS-8 (6')	Total/NA	Solid	8015B NM	110558
MB 880-110558/1-A	Method Blank	Total/NA	Solid	8015B NM	110558
LCS 880-110558/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	110558
LCSD 880-110558/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	110558
890-8185-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	110558
890-8185-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	110558

Prep Batch: 110621

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58383-9	CS-9 (2')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 880-58383-1
SDG: Eddy Co, New Mexico

GC Semi VOA (Continued)

Prep Batch: 110621 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58383-10	CS-10 (2')	Total/NA	Solid	8015NM Prep	
880-58383-11	CS-11 (2')	Total/NA	Solid	8015NM Prep	
880-58383-12	CS-12 (2')	Total/NA	Solid	8015NM Prep	
880-58383-13	CS-13 (2')	Total/NA	Solid	8015NM Prep	
880-58383-14	CS-14 (2')	Total/NA	Solid	8015NM Prep	
880-58383-15	CS-15 (2')	Total/NA	Solid	8015NM Prep	
880-58383-16	CS-16 (2')	Total/NA	Solid	8015NM Prep	
MB 880-110621/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-110621/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-110621/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-58383-9 MS	CS-9 (2')	Total/NA	Solid	8015NM Prep	
880-58383-9 MSD	CS-9 (2')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 110717

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58383-9	CS-9 (2')	Total/NA	Solid	8015B NM	110621
880-58383-10	CS-10 (2')	Total/NA	Solid	8015B NM	110621
880-58383-11	CS-11 (2')	Total/NA	Solid	8015B NM	110621
880-58383-12	CS-12 (2')	Total/NA	Solid	8015B NM	110621
880-58383-13	CS-13 (2')	Total/NA	Solid	8015B NM	110621
880-58383-14	CS-14 (2')	Total/NA	Solid	8015B NM	110621
880-58383-15	CS-15 (2')	Total/NA	Solid	8015B NM	110621
880-58383-16	CS-16 (2')	Total/NA	Solid	8015B NM	110621
MB 880-110621/1-A	Method Blank	Total/NA	Solid	8015B NM	110621
LCS 880-110621/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	110621
LCSD 880-110621/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	110621
880-58383-9 MS	CS-9 (2')	Total/NA	Solid	8015B NM	110621
880-58383-9 MSD	CS-9 (2')	Total/NA	Solid	8015B NM	110621

Analysis Batch: 110737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58383-1	CS-1 (6')	Total/NA	Solid	8015 NM	
880-58383-2	CS-2 (6')	Total/NA	Solid	8015 NM	
880-58383-3	CS-3 (6')	Total/NA	Solid	8015 NM	
880-58383-4	CS-4 (6')	Total/NA	Solid	8015 NM	
880-58383-5	CS-5 (6')	Total/NA	Solid	8015 NM	
880-58383-6	CS-6 (6')	Total/NA	Solid	8015 NM	
880-58383-7	CS-7 (6')	Total/NA	Solid	8015 NM	
880-58383-8	CS-8 (6')	Total/NA	Solid	8015 NM	
880-58383-9	CS-9 (2')	Total/NA	Solid	8015 NM	
880-58383-10	CS-10 (2')	Total/NA	Solid	8015 NM	
880-58383-11	CS-11 (2')	Total/NA	Solid	8015 NM	
880-58383-12	CS-12 (2')	Total/NA	Solid	8015 NM	
880-58383-13	CS-13 (2')	Total/NA	Solid	8015 NM	
880-58383-14	CS-14 (2')	Total/NA	Solid	8015 NM	
880-58383-15	CS-15 (2')	Total/NA	Solid	8015 NM	
880-58383-16	CS-16 (2')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 880-58383-1
SDG: Eddy Co, New Mexico

HPLC/IC

Leach Batch: 110629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58383-1	CS-1 (6')	Soluble	Solid	DI Leach	
880-58383-2	CS-2 (6')	Soluble	Solid	DI Leach	
880-58383-3	CS-3 (6')	Soluble	Solid	DI Leach	
880-58383-4	CS-4 (6')	Soluble	Solid	DI Leach	
880-58383-5	CS-5 (6')	Soluble	Solid	DI Leach	
880-58383-6	CS-6 (6')	Soluble	Solid	DI Leach	
880-58383-7	CS-7 (6')	Soluble	Solid	DI Leach	
MB 880-110629/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-110629/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-110629/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-58380-A-10-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-58380-A-10-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 110632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58383-8	CS-8 (6')	Soluble	Solid	DI Leach	
880-58383-9	CS-9 (2')	Soluble	Solid	DI Leach	
880-58383-10	CS-10 (2')	Soluble	Solid	DI Leach	
880-58383-11	CS-11 (2')	Soluble	Solid	DI Leach	
880-58383-12	CS-12 (2')	Soluble	Solid	DI Leach	
880-58383-13	CS-13 (2')	Soluble	Solid	DI Leach	
880-58383-14	CS-14 (2')	Soluble	Solid	DI Leach	
880-58383-15	CS-15 (2')	Soluble	Solid	DI Leach	
880-58383-16	CS-16 (2')	Soluble	Solid	DI Leach	
MB 880-110632/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-110632/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-110632/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-58383-8 MS	CS-8 (6')	Soluble	Solid	DI Leach	
880-58383-8 MSD	CS-8 (6')	Soluble	Solid	DI Leach	

Analysis Batch: 110640

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58383-1	CS-1 (6')	Soluble	Solid	300.0	110629
880-58383-2	CS-2 (6')	Soluble	Solid	300.0	110629
880-58383-3	CS-3 (6')	Soluble	Solid	300.0	110629
880-58383-4	CS-4 (6')	Soluble	Solid	300.0	110629
880-58383-5	CS-5 (6')	Soluble	Solid	300.0	110629
880-58383-6	CS-6 (6')	Soluble	Solid	300.0	110629
880-58383-7	CS-7 (6')	Soluble	Solid	300.0	110629
MB 880-110629/1-A	Method Blank	Soluble	Solid	300.0	110629
LCS 880-110629/2-A	Lab Control Sample	Soluble	Solid	300.0	110629
LCSD 880-110629/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	110629
880-58380-A-10-B MS	Matrix Spike	Soluble	Solid	300.0	110629
880-58380-A-10-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	110629

Analysis Batch: 110642

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58383-8	CS-8 (6')	Soluble	Solid	300.0	110632
880-58383-9	CS-9 (2')	Soluble	Solid	300.0	110632
880-58383-10	CS-10 (2')	Soluble	Solid	300.0	110632
880-58383-11	CS-11 (2')	Soluble	Solid	300.0	110632

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 880-58383-1
SDG: Eddy Co, New Mexico

HPLC/IC (Continued)

Analysis Batch: 110642 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58383-12	CS-12 (2')	Soluble	Solid	300.0	110632
880-58383-13	CS-13 (2')	Soluble	Solid	300.0	110632
880-58383-14	CS-14 (2')	Soluble	Solid	300.0	110632
880-58383-15	CS-15 (2')	Soluble	Solid	300.0	110632
880-58383-16	CS-16 (2')	Soluble	Solid	300.0	110632
MB 880-110632/1-A	Method Blank	Soluble	Solid	300.0	110632
LCS 880-110632/2-A	Lab Control Sample	Soluble	Solid	300.0	110632
LCSD 880-110632/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	110632
880-58383-8 MS	CS-8 (6')	Soluble	Solid	300.0	110632
880-58383-8 MSD	CS-8 (6')	Soluble	Solid	300.0	110632

Lab Chronicle

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 880-58383-1
SDG: Eddy Co, New Mexico

Client Sample ID: CS-1 (6')

Lab Sample ID: 880-58383-1

Date Collected: 05/20/25 00:00

Matrix: Solid

Date Received: 05/21/25 10:25

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	110626	05/21/25 11:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110631	05/21/25 16:06	EL	EET MID
Total/NA	Analysis	Total BTEX		1			110741	05/21/25 16:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			110737	05/21/25 15:25	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	110558	05/21/25 10:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110591	05/21/25 15:25	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	110629	05/21/25 11:54	SA	EET MID
Soluble	Analysis	300.0		1			110640	05/21/25 20:11	CH	EET MID

Client Sample ID: CS-2 (6')

Lab Sample ID: 880-58383-2

Date Collected: 05/20/25 00:00

Matrix: Solid

Date Received: 05/21/25 10:25

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	110626	05/21/25 11:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110631	05/21/25 16:27	EL	EET MID
Total/NA	Analysis	Total BTEX		1			110741	05/21/25 16:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			110737	05/21/25 15:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	110558	05/21/25 10:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110591	05/21/25 15:40	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	110629	05/21/25 11:54	SA	EET MID
Soluble	Analysis	300.0		1			110640	05/21/25 20:18	CH	EET MID

Client Sample ID: CS-3 (6')

Lab Sample ID: 880-58383-3

Date Collected: 05/20/25 00:00

Matrix: Solid

Date Received: 05/21/25 10:25

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	110626	05/21/25 11:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110631	05/21/25 16:47	EL	EET MID
Total/NA	Analysis	Total BTEX		1			110741	05/21/25 16:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			110737	05/21/25 15:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	110558	05/21/25 10:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110591	05/21/25 15:55	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	110629	05/21/25 11:54	SA	EET MID
Soluble	Analysis	300.0		1			110640	05/21/25 20:25	CH	EET MID

Client Sample ID: CS-4 (6')

Lab Sample ID: 880-58383-4

Date Collected: 05/20/25 00:00

Matrix: Solid

Date Received: 05/21/25 10:25

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	110626	05/21/25 11:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110631	05/21/25 17:08	EL	EET MID
Total/NA	Analysis	Total BTEX		1			110741	05/21/25 17:08	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 880-58383-1
SDG: Eddy Co, New Mexico

Client Sample ID: CS-4 (6')

Lab Sample ID: 880-58383-4

Date Collected: 05/20/25 00:00

Matrix: Solid

Date Received: 05/21/25 10:25

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			110737	05/21/25 16:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	110558	05/21/25 10:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110591	05/21/25 16:09	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	110629	05/21/25 11:54	SA	EET MID
Soluble	Analysis	300.0		1			110640	05/21/25 20:32	CH	EET MID

Client Sample ID: CS-5 (6')

Lab Sample ID: 880-58383-5

Date Collected: 05/20/25 00:00

Matrix: Solid

Date Received: 05/21/25 10:25

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	110626	05/21/25 11:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110631	05/21/25 17:28	EL	EET MID
Total/NA	Analysis	Total BTEX		1			110741	05/21/25 17:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			110737	05/21/25 16:24	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	110558	05/21/25 10:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110591	05/21/25 16:24	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	110629	05/21/25 11:54	SA	EET MID
Soluble	Analysis	300.0		1			110640	05/21/25 20:39	CH	EET MID

Client Sample ID: CS-6 (6')

Lab Sample ID: 880-58383-6

Date Collected: 05/20/25 00:00

Matrix: Solid

Date Received: 05/21/25 10:25

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	110626	05/21/25 11:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110631	05/21/25 17:49	EL	EET MID
Total/NA	Analysis	Total BTEX		1			110741	05/21/25 17:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			110737	05/21/25 16:39	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	110558	05/21/25 10:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110591	05/21/25 16:39	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	110629	05/21/25 11:54	SA	EET MID
Soluble	Analysis	300.0		1			110640	05/21/25 20:46	CH	EET MID

Client Sample ID: CS-7 (6')

Lab Sample ID: 880-58383-7

Date Collected: 05/20/25 00:00

Matrix: Solid

Date Received: 05/21/25 10:25

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	110626	05/21/25 11:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110631	05/21/25 18:09	EL	EET MID
Total/NA	Analysis	Total BTEX		1			110741	05/21/25 18:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			110737	05/21/25 16:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	110558	05/21/25 10:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110591	05/21/25 16:54	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 880-58383-1
SDG: Eddy Co, New Mexico

Client Sample ID: CS-7 (6')

Lab Sample ID: 880-58383-7

Date Collected: 05/20/25 00:00

Matrix: Solid

Date Received: 05/21/25 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	110629	05/21/25 11:54	SA	EET MID
Soluble	Analysis	300.0		1			110640	05/21/25 20:53	CH	EET MID

Client Sample ID: CS-8 (6')

Lab Sample ID: 880-58383-8

Date Collected: 05/20/25 00:00

Matrix: Solid

Date Received: 05/21/25 10:25

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	110626	05/21/25 11:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110631	05/21/25 18:30	EL	EET MID
Total/NA	Analysis	Total BTEX		1			110741	05/21/25 18:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			110737	05/21/25 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	110558	05/21/25 10:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110591	05/21/25 17:09	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	110632	05/21/25 13:34	SA	EET MID
Soluble	Analysis	300.0		1			110642	05/21/25 21:50	CH	EET MID

Client Sample ID: CS-9 (2')

Lab Sample ID: 880-58383-9

Date Collected: 05/20/25 00:00

Matrix: Solid

Date Received: 05/21/25 10:25

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	110626	05/21/25 11:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110631	05/21/25 18:50	EL	EET MID
Total/NA	Analysis	Total BTEX		1			110741	05/21/25 18:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			110737	05/22/25 11:00	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	110621	05/21/25 11:34	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110717	05/22/25 11:00	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	110632	05/21/25 13:34	SA	EET MID
Soluble	Analysis	300.0		1			110642	05/21/25 22:11	CH	EET MID

Client Sample ID: CS-10 (2')

Lab Sample ID: 880-58383-10

Date Collected: 05/20/25 00:00

Matrix: Solid

Date Received: 05/21/25 10:25

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	110626	05/21/25 11:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110631	05/21/25 19:11	EL	EET MID
Total/NA	Analysis	Total BTEX		1			110741	05/21/25 19:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			110737	05/22/25 11:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	110621	05/21/25 11:34	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110717	05/22/25 11:49	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	110632	05/21/25 13:34	SA	EET MID
Soluble	Analysis	300.0		1			110642	05/21/25 22:18	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 880-58383-1
SDG: Eddy Co, New Mexico

Client Sample ID: CS-11 (2')

Date Collected: 05/20/25 00:00

Date Received: 05/21/25 10:25

Lab Sample ID: 880-58383-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	110626	05/21/25 11:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110631	05/21/25 20:45	EL	EET MID
Total/NA	Analysis	Total BTEX		1			110741	05/21/25 20:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			110737	05/22/25 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	110621	05/21/25 11:34	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110717	05/22/25 12:05	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	110632	05/21/25 13:34	SA	EET MID
Soluble	Analysis	300.0		1			110642	05/21/25 22:25	CH	EET MID

Client Sample ID: CS-12 (2')

Date Collected: 05/20/25 00:00

Date Received: 05/21/25 10:25

Lab Sample ID: 880-58383-12

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	110626	05/21/25 11:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110631	05/21/25 21:05	EL	EET MID
Total/NA	Analysis	Total BTEX		1			110741	05/21/25 21:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			110737	05/22/25 12:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	110621	05/21/25 11:34	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110717	05/22/25 12:22	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	110632	05/21/25 13:34	SA	EET MID
Soluble	Analysis	300.0		1			110642	05/21/25 22:32	CH	EET MID

Client Sample ID: CS-13 (2')

Date Collected: 05/20/25 00:00

Date Received: 05/21/25 10:25

Lab Sample ID: 880-58383-13

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			5.05 g	5 mL	110626	05/21/25 11:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110631	05/21/25 21:26	EL	EET MID
Total/NA	Analysis	Total BTEX		1			110741	05/21/25 21:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			110737	05/22/25 12:38	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	110621	05/21/25 11:34	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110717	05/22/25 12:38	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	110632	05/21/25 13:34	SA	EET MID
Soluble	Analysis	300.0		1			110642	05/21/25 22:54	CH	EET MID

Client Sample ID: CS-14 (2')

Date Collected: 05/20/25 00:00

Date Received: 05/21/25 10:25

Lab Sample ID: 880-58383-14

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	110626	05/21/25 11:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110631	05/21/25 21:46	EL	EET MID
Total/NA	Analysis	Total BTEX		1			110741	05/21/25 21:46	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 880-58383-1
SDG: Eddy Co, New Mexico

Client Sample ID: CS-14 (2')

Date Collected: 05/20/25 00:00

Date Received: 05/21/25 10:25

Lab Sample ID: 880-58383-14

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			110737	05/22/25 12:54	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	110621	05/21/25 11:34	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110717	05/22/25 12:54	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	110632	05/21/25 13:34	SA	EET MID
Soluble	Analysis	300.0		1			110642	05/21/25 23:01	CH	EET MID

Client Sample ID: CS-15 (2')

Date Collected: 05/20/25 00:00

Date Received: 05/21/25 10:25

Lab Sample ID: 880-58383-15

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	110626	05/21/25 11:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110631	05/21/25 22:07	EL	EET MID
Total/NA	Analysis	Total BTEX		1			110741	05/21/25 22:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			110737	05/22/25 13:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	110621	05/21/25 11:34	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110717	05/22/25 13:11	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	110632	05/21/25 13:34	SA	EET MID
Soluble	Analysis	300.0		1			110642	05/21/25 23:08	CH	EET MID

Client Sample ID: CS-16 (2')

Date Collected: 05/20/25 00:00

Date Received: 05/21/25 10:25

Lab Sample ID: 880-58383-16

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			5.02 g	5 mL	110626	05/21/25 11:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110631	05/21/25 22:27	EL	EET MID
Total/NA	Analysis	Total BTEX		1			110741	05/21/25 22:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			110737	05/22/25 13:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	110621	05/21/25 11:34	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110717	05/22/25 13:27	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	110632	05/21/25 13:34	SA	EET MID
Soluble	Analysis	300.0		1			110642	05/21/25 23:15	CH	EET MID

Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 880-58383-1
SDG: Eddy Co, New Mexico

Laboratory: Eurofins Midland

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

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

Method Summary

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 880-58383-1
SDG: Eddy Co, New Mexico

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

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 880-58383-1
SDG: Eddy Co, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-58383-1	CS-1 (6')	Solid	05/20/25 00:00	05/21/25 10:25
880-58383-2	CS-2 (6')	Solid	05/20/25 00:00	05/21/25 10:25
880-58383-3	CS-3 (6')	Solid	05/20/25 00:00	05/21/25 10:25
880-58383-4	CS-4 (6')	Solid	05/20/25 00:00	05/21/25 10:25
880-58383-5	CS-5 (6')	Solid	05/20/25 00:00	05/21/25 10:25
880-58383-6	CS-6 (6')	Solid	05/20/25 00:00	05/21/25 10:25
880-58383-7	CS-7 (6')	Solid	05/20/25 00:00	05/21/25 10:25
880-58383-8	CS-8 (6')	Solid	05/20/25 00:00	05/21/25 10:25
880-58383-9	CS-9 (2')	Solid	05/20/25 00:00	05/21/25 10:25
880-58383-10	CS-10 (2')	Solid	05/20/25 00:00	05/21/25 10:25
880-58383-11	CS-11 (2')	Solid	05/20/25 00:00	05/21/25 10:25
880-58383-12	CS-12 (2')	Solid	05/20/25 00:00	05/21/25 10:25
880-58383-13	CS-13 (2')	Solid	05/20/25 00:00	05/21/25 10:25
880-58383-14	CS-14 (2')	Solid	05/20/25 00:00	05/21/25 10:25
880-58383-15	CS-15 (2')	Solid	05/20/25 00:00	05/21/25 10:25
880-58383-16	CS-16 (2')	Solid	05/20/25 00:00	05/21/25 10:25

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Chain of Custody



880-56383 Chain of Custody

Page 1 of 2

Project Manager: Ashton Thielke		Bill to: (if different)	
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	

Project Name: South Culebra Bluff Unit #006		Turn Around	
Project Number: 2707		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	
Project Location: Eddy Co, New Mexico		Due Date: 24 HR	
Sampler's Name: JDC		TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

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

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	Pres. Code	ANALYSIS REQUEST										Preservative Codes	
CS-1 (6')	5/20/2025		X		Comp	1													None: NO	DI Water: H ₂ O
CS-2 (6')	5/20/2025		X		Comp	1													Cool: Cool	MeOH: Me
CS-3 (6')	5/20/2025		X		Comp	1													HCL: HC	HNO ₃ : HN
CS-4 (6')	5/20/2025		X		Comp	1													H ₂ SO ₄ : H ₂	NaOH: Na
CS-5 (6')	5/20/2025		X		Comp	1													H ₃ PO ₄ : HP	
CS-6 (6')	5/20/2025		X		Comp	1													NaHSO ₄ : NABIS	
CS-7 (6')	5/20/2025		X		Comp	1													Na ₂ S ₂ O ₃ : NaSO ₃	
CS-8 (6')	5/20/2025		X		Comp	1													Zn Acetate+NaOH: Zn	
CS-9 (2')	5/20/2025		X		Comp	1													NaOH+Ascorbic Acid: SAPC	
CS-10 (2')	5/20/2025		X		Comp	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
1 <i>As</i>	<i>[Signature]</i>	5-21-25 10:25 ²			
3		4			
5		6			

Revised Date 05/01/2020 Rev. 2020.1

Work Order No:

Page 2 of 2

[illegible]

Revised Date 05/01/2020 Rev 2020.1

1. **Introduction**
 2. **Background**
 3. **Methodology**
 4. **Results**
 5. **Discussion**
 6. **Conclusion**
 7. **References**
 8. **Appendix**
 9. **Index**
 10. **Table of Contents**

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-58383-1

SDG Number: Eddy Co, New Mexico

Login Number: 58383

List Number: 1

List Source: Eurofins Midland

Creator: Vasquez, Julisa

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



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

May 23, 2025

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

RE: SOUTH CULEBRA BLUFF UNIT #006

Enclosed are the results of analyses for samples received by the laboratory on 05/22/25 9:16.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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:	05/22/2025	Sampling Date:	05/21/2025
Reported:	05/23/2025	Sampling Type:	Soil
Project Name:	SOUTH CULEBRA BLUFF UNIT #006	Sampling Condition:	Cool & Intact
Project Number:	2707	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: CS - 17 (6') (H253071-01)

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	05/22/2025	ND	2.51	126	2.00	8.35	
Toluene*	<0.050	0.050	05/22/2025	ND	2.21	111	2.00	9.24	
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.22	111	2.00	12.8	QM-07
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.59	110	6.00	13.2	QM-07
Total BTX	<0.300	0.300	05/22/2025	ND					

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

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	05/23/2025	ND	464	116	400	10.9	

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	05/22/2025	ND	178	89.1	200	1.96	
DRO >C10-C28*	13.3	10.0	05/22/2025	ND	183	91.5	200	6.18	
EXT DRO >C28-C36	<10.0	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 69.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 61.7 % 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: 05/22/2025
 Reported: 05/23/2025
 Project Name: SOUTH CULEBRA BLUFF UNIT #006
 Project Number: 2707
 Project Location: EDDY CO NM

Sampling Date: 05/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 18 (6') (H253071-02)

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	05/22/2025	ND	2.51	126	2.00	8.35		
Toluene*	<0.050	0.050	05/22/2025	ND	2.21	111	2.00	9.24		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.22	111	2.00	12.8		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.59	110	6.00	13.2		
Total BTEX	<0.300	0.300	05/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 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	240	16.0	05/23/2025	ND	464	116	400	10.9		

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	05/22/2025	ND	178	89.1	200	1.96	
DRO >C10-C28*	<10.0	10.0	05/22/2025	ND	183	91.5	200	6.18	
EXT DRO >C28-C36	<10.0	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 76.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 66.2 % 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: 05/22/2025
 Reported: 05/23/2025
 Project Name: SOUTH CULEBRA BLUFF UNIT #006
 Project Number: 2707
 Project Location: EDDY CO NM

Sampling Date: 05/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 19 (6') (H253071-03)

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	05/22/2025	ND	2.51	126	2.00	8.35	
Toluene*	<0.050	0.050	05/22/2025	ND	2.21	111	2.00	9.24	
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.22	111	2.00	12.8	
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.59	110	6.00	13.2	
Total BTEX	<0.300	0.300	05/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	144	16.0	05/23/2025	ND	464	116	400	10.9	

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	05/22/2025	ND	178	89.1	200	1.96	
DRO >C10-C28*	<10.0	10.0	05/22/2025	ND	183	91.5	200	6.18	
EXT DRO >C28-C36	<10.0	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 83.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.4 % 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: 05/22/2025
 Reported: 05/23/2025
 Project Name: SOUTH CULEBRA BLUFF UNIT #006
 Project Number: 2707
 Project Location: EDDY CO NM

Sampling Date: 05/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 20 (6') (H253071-04)

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	05/22/2025	ND	2.51	126	2.00	8.35	
Toluene*	<0.050	0.050	05/22/2025	ND	2.21	111	2.00	9.24	
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.22	111	2.00	12.8	
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.59	110	6.00	13.2	
Total BTEX	<0.300	0.300	05/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	192	16.0	05/23/2025	ND	464	116	400	10.9	

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	05/22/2025	ND	178	89.1	200	1.96	
DRO >C10-C28*	<10.0	10.0	05/22/2025	ND	183	91.5	200	6.18	
EXT DRO >C28-C36	<10.0	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 83.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.3 % 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: 05/22/2025
 Reported: 05/23/2025
 Project Name: SOUTH CULEBRA BLUFF UNIT #006
 Project Number: 2707
 Project Location: EDDY CO NM

Sampling Date: 05/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 21 (6') (H253071-05)

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	05/22/2025	ND	2.51	126	2.00	8.35		
Toluene*	<0.050	0.050	05/22/2025	ND	2.21	111	2.00	9.24		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.22	111	2.00	12.8		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.59	110	6.00	13.2		
Total BTEX	<0.300	0.300	05/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	192	16.0	05/23/2025	ND	464	116	400	10.9		

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	05/22/2025	ND	178	89.1	200	1.96	
DRO >C10-C28*	<10.0	10.0	05/22/2025	ND	183	91.5	200	6.18	
EXT DRO >C28-C36	<10.0	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 88.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.4 % 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: 05/22/2025
 Reported: 05/23/2025
 Project Name: SOUTH CULEBRA BLUFF UNIT #006
 Project Number: 2707
 Project Location: EDDY CO NM

Sampling Date: 05/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 22 (6') (H253071-06)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/22/2025	ND	2.51	126	2.00	8.35	
Toluene*	<0.050	0.050	05/22/2025	ND	2.21	111	2.00	9.24	
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.22	111	2.00	12.8	
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.59	110	6.00	13.2	
Total BTEX	<0.300	0.300	05/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	192	16.0	05/23/2025	ND	464	116	400	10.9	

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	05/22/2025	ND	178	89.1	200	1.96	
DRO >C10-C28*	<10.0	10.0	05/22/2025	ND	183	91.5	200	6.18	
EXT DRO >C28-C36	<10.0	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 88.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.5 % 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: 05/22/2025
 Reported: 05/23/2025
 Project Name: SOUTH CULEBRA BLUFF UNIT #006
 Project Number: 2707
 Project Location: EDDY CO NM

Sampling Date: 05/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 23 (6') (H253071-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/22/2025	ND	2.51	126	2.00	8.35		
Toluene*	<0.050	0.050	05/22/2025	ND	2.21	111	2.00	9.24		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.22	111	2.00	12.8		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.59	110	6.00	13.2		
Total BTEX	<0.300	0.300	05/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	144	16.0	05/23/2025	ND	464	116	400	10.9		

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	05/22/2025	ND	178	89.1	200	1.96	
DRO >C10-C28*	<10.0	10.0	05/22/2025	ND	183	91.5	200	6.18	
EXT DRO >C28-C36	<10.0	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 80.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.6 % 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: 05/22/2025
 Reported: 05/23/2025
 Project Name: SOUTH CULEBRA BLUFF UNIT #006
 Project Number: 2707
 Project Location: EDDY CO NM

Sampling Date: 05/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 24 (6') (H253071-08)

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	05/22/2025	ND	2.51	126	2.00	8.35		
Toluene*	<0.050	0.050	05/22/2025	ND	2.21	111	2.00	9.24		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.22	111	2.00	12.8		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.59	110	6.00	13.2		
Total BTEX	<0.300	0.300	05/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	05/23/2025	ND	400	100	400	3.92	

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	05/22/2025	ND	178	89.1	200	1.96	
DRO >C10-C28*	<10.0	10.0	05/22/2025	ND	183	91.5	200	6.18	
EXT DRO >C28-C36	<10.0	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 87.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.5 % 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: 05/22/2025
 Reported: 05/23/2025
 Project Name: SOUTH CULEBRA BLUFF UNIT #006
 Project Number: 2707
 Project Location: EDDY CO NM

Sampling Date: 05/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 25 (6') (H253071-09)

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	05/22/2025	ND	2.51	126	2.00	8.35	
Toluene*	<0.050	0.050	05/22/2025	ND	2.21	111	2.00	9.24	
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.22	111	2.00	12.8	
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.59	110	6.00	13.2	
Total BTX	<0.300	0.300	05/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	112	16.0	05/23/2025	ND	400	100	400	3.92		

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	05/22/2025	ND	178	89.1	200	1.96	
DRO >C10-C28*	<10.0	10.0	05/22/2025	ND	183	91.5	200	6.18	
EXT DRO >C28-C36	<10.0	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 84.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.1 % 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: 05/22/2025
 Reported: 05/23/2025
 Project Name: SOUTH CULEBRA BLUFF UNIT #006
 Project Number: 2707
 Project Location: EDDY CO NM

Sampling Date: 05/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 26 (6') (H253071-10)

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	05/22/2025	ND	2.51	126	2.00	8.35		
Toluene*	<0.050	0.050	05/22/2025	ND	2.21	111	2.00	9.24		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.22	111	2.00	12.8		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.59	110	6.00	13.2		
Total BTEx	<0.300	0.300	05/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	224	16.0	05/23/2025	ND	400	100	400	3.92		

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	05/22/2025	ND	178	89.1	200	1.96	
DRO >C10-C28*	<10.0	10.0	05/22/2025	ND	183	91.5	200	6.18	
EXT DRO >C28-C36	<10.0	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 78.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 67.1 % 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: 05/22/2025
 Reported: 05/23/2025
 Project Name: SOUTH CULEBRA BLUFF UNIT #006
 Project Number: 2707
 Project Location: EDDY CO NM

Sampling Date: 05/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 27 (6') (H253071-11)

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	05/22/2025	ND	2.51	126	2.00	8.35		
Toluene*	<0.050	0.050	05/22/2025	ND	2.21	111	2.00	9.24		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.22	111	2.00	12.8		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.59	110	6.00	13.2		
Total BTEX	<0.300	0.300	05/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	160	16.0	05/23/2025	ND	400	100	400	3.92		

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	05/22/2025	ND	178	89.1	200	1.96	
DRO >C10-C28*	<10.0	10.0	05/22/2025	ND	183	91.5	200	6.18	
EXT DRO >C28-C36	<10.0	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 72.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 62.5 % 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: 05/22/2025
 Reported: 05/23/2025
 Project Name: SOUTH CULEBRA BLUFF UNIT #006
 Project Number: 2707
 Project Location: EDDY CO NM

Sampling Date: 05/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 1 (6.0') (H253071-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/22/2025	ND	2.51	126	2.00	8.35		
Toluene*	<0.050	0.050	05/22/2025	ND	2.21	111	2.00	9.24		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.22	111	2.00	12.8		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.59	110	6.00	13.2		
Total BTEx	<0.300	0.300	05/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	144	16.0	05/23/2025	ND	400	100	400	3.92		

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	05/22/2025	ND	178	89.1	200	1.96	
DRO >C10-C28*	<10.0	10.0	05/22/2025	ND	183	91.5	200	6.18	
EXT DRO >C28-C36	<10.0	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 81.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.8 % 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: 05/22/2025
 Reported: 05/23/2025
 Project Name: SOUTH CULEBRA BLUFF UNIT #006
 Project Number: 2707
 Project Location: EDDY CO NM

Sampling Date: 05/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 2 (6.0') (H253071-13)

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	05/22/2025	ND	2.51	126	2.00	8.35		
Toluene*	<0.050	0.050	05/22/2025	ND	2.21	111	2.00	9.24		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.22	111	2.00	12.8		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.59	110	6.00	13.2		
Total BTEX	<0.300	0.300	05/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	240	16.0	05/23/2025	ND	400	100	400	3.92	

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	05/22/2025	ND	178	89.1	200	1.96	
DRO >C10-C28*	<10.0	10.0	05/22/2025	ND	183	91.5	200	6.18	
EXT DRO >C28-C36	<10.0	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 82.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.1 % 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: 05/22/2025
 Reported: 05/23/2025
 Project Name: SOUTH CULEBRA BLUFF UNIT #006
 Project Number: 2707
 Project Location: EDDY CO NM

Sampling Date: 05/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 3 (6.0') (H253071-14)

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	05/22/2025	ND	2.51	126	2.00	8.35		
Toluene*	<0.050	0.050	05/22/2025	ND	2.21	111	2.00	9.24		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.22	111	2.00	12.8		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.59	110	6.00	13.2		
Total BTEX	<0.300	0.300	05/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	96.0	16.0	05/23/2025	ND	400	100	400	3.92		

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	05/22/2025	ND	178	89.1	200	1.96	
DRO >C10-C28*	<10.0	10.0	05/22/2025	ND	183	91.5	200	6.18	
EXT DRO >C28-C36	<10.0	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 83.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.2 % 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: 05/22/2025
 Reported: 05/23/2025
 Project Name: SOUTH CULEBRA BLUFF UNIT #006
 Project Number: 2707
 Project Location: EDDY CO NM

Sampling Date: 05/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 4 (4.0') (H253071-15)

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	05/22/2025	ND	2.51	126	2.00	8.35		
Toluene*	<0.050	0.050	05/22/2025	ND	2.21	111	2.00	9.24		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.22	111	2.00	12.8		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.59	110	6.00	13.2		
Total BTEX	<0.300	0.300	05/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	05/23/2025	ND	400	100	400	3.92		

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	05/22/2025	ND	178	89.1	200	1.96	
DRO >C10-C28*	<10.0	10.0	05/22/2025	ND	183	91.5	200	6.18	
EXT DRO >C28-C36	<10.0	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 79.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 66.9 % 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: 05/22/2025
 Reported: 05/23/2025
 Project Name: SOUTH CULEBRA BLUFF UNIT #006
 Project Number: 2707
 Project Location: EDDY CO NM

Sampling Date: 05/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 5 (4.0') (H253071-16)

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	05/22/2025	ND	2.51	126	2.00	8.35	
Toluene*	<0.050	0.050	05/22/2025	ND	2.21	111	2.00	9.24	
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.22	111	2.00	12.8	
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.59	110	6.00	13.2	
Total BTEX	<0.300	0.300	05/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	192	16.0	05/23/2025	ND	400	100	400	3.92	

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	05/22/2025	ND	178	89.1	200	1.96	
DRO >C10-C28*	<10.0	10.0	05/22/2025	ND	183	91.5	200	6.18	
EXT DRO >C28-C36	<10.0	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 86.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.8 % 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: 05/22/2025
 Reported: 05/23/2025
 Project Name: SOUTH CULEBRA BLUFF UNIT #006
 Project Number: 2707
 Project Location: EDDY CO NM

Sampling Date: 05/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 6 (6.0') (H253071-17)

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	05/22/2025	ND	2.51	126	2.00	8.35		
Toluene*	<0.050	0.050	05/22/2025	ND	2.21	111	2.00	9.24		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.22	111	2.00	12.8		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.59	110	6.00	13.2		
Total BTEx	<0.300	0.300	05/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	432	16.0	05/23/2025	ND	400	100	400	3.92		

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	05/22/2025	ND	178	89.1	200	1.96	
DRO >C10-C28*	<10.0	10.0	05/22/2025	ND	183	91.5	200	6.18	
EXT DRO >C28-C36	<10.0	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 82.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.8 % 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: 05/22/2025
 Reported: 05/23/2025
 Project Name: SOUTH CULEBRA BLUFF UNIT #006
 Project Number: 2707
 Project Location: EDDY CO NM

Sampling Date: 05/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 7 (2.0') (H253071-18)

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	05/22/2025	ND	2.51	126	2.00	8.35		
Toluene*	<0.050	0.050	05/22/2025	ND	2.21	111	2.00	9.24		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.22	111	2.00	12.8		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.59	110	6.00	13.2		
Total BTX	<0.300	0.300	05/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	176	16.0	05/23/2025	ND	400	100	400	3.92		

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	05/22/2025	ND	178	89.1	200	1.96	
DRO >C10-C28*	<10.0	10.0	05/22/2025	ND	183	91.5	200	6.18	
EXT DRO >C28-C36	<10.0	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 80.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 69.5 % 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: 05/22/2025
 Reported: 05/23/2025
 Project Name: SOUTH CULEBRA BLUFF UNIT #006
 Project Number: 2707
 Project Location: EDDY CO NM

Sampling Date: 05/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 8 (4.0') (H253071-19)

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	05/22/2025	ND	2.51	126	2.00	8.35		
Toluene*	<0.050	0.050	05/22/2025	ND	2.21	111	2.00	9.24		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.22	111	2.00	12.8		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.59	110	6.00	13.2		
Total BTEX	<0.300	0.300	05/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	176	16.0	05/23/2025	ND	400	100	400	3.92		

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	05/22/2025	ND	178	89.1	200	1.96	
DRO >C10-C28*	<10.0	10.0	05/22/2025	ND	183	91.5	200	6.18	
EXT DRO >C28-C36	<10.0	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 82.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.3 % 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: 05/22/2025
 Reported: 05/23/2025
 Project Name: SOUTH CULEBRA BLUFF UNIT #006
 Project Number: 2707
 Project Location: EDDY CO NM

Sampling Date: 05/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 9 (4.0') (H253071-20)

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	05/22/2025	ND	2.51	126	2.00	8.35		
Toluene*	<0.050	0.050	05/22/2025	ND	2.21	111	2.00	9.24		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.22	111	2.00	12.8		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.59	110	6.00	13.2		
Total BTEX	<0.300	0.300	05/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	128	16.0	05/23/2025	ND	400	100	400	3.92		

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	05/22/2025	ND	178	89.1	200	1.96	
DRO >C10-C28*	<10.0	10.0	05/22/2025	ND	183	91.5	200	6.18	
EXT DRO >C28-C36	<10.0	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 85.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.3 % 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: 05/22/2025
 Reported: 05/23/2025
 Project Name: SOUTH CULEBRA BLUFF UNIT #006
 Project Number: 2707
 Project Location: EDDY CO NM

Sampling Date: 05/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 10 (2.0') (H253071-21)

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	05/22/2025	ND	2.21	110	2.00	3.62		
Toluene*	<0.050	0.050	05/22/2025	ND	2.23	111	2.00	3.73		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.17	108	2.00	3.45		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.38	106	6.00	3.65		
Total BTEX	<0.300	0.300	05/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 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	208	16.0	05/23/2025	ND	400	100	400	3.92		

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	05/22/2025	ND	185	92.6	200	0.540	
DRO >C10-C28*	<10.0	10.0	05/22/2025	ND	182	90.9	200	5.18	
EXT DRO >C28-C36	<10.0	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 88.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.0 % 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: 05/22/2025
 Reported: 05/23/2025
 Project Name: SOUTH CULEBRA BLUFF UNIT #006
 Project Number: 2707
 Project Location: EDDY CO NM

Sampling Date: 05/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 11 (2.0') (H253071-22)

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	05/22/2025	ND	2.21	110	2.00	3.62		
Toluene*	<0.050	0.050	05/22/2025	ND	2.23	111	2.00	3.73		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.17	108	2.00	3.45		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.38	106	6.00	3.65		
Total BTEX	<0.300	0.300	05/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 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	128	16.0	05/23/2025	ND	400	100	400	3.92	

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	05/22/2025	ND	185	92.6	200	0.540	
DRO >C10-C28*	<10.0	10.0	05/22/2025	ND	182	90.9	200	5.18	
EXT DRO >C28-C36	<10.0	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 82.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.9 % 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: 05/22/2025
 Reported: 05/23/2025
 Project Name: SOUTH CULEBRA BLUFF UNIT #006
 Project Number: 2707
 Project Location: EDDY CO NM

Sampling Date: 05/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 12 (6.0') (H253071-23)

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	05/22/2025	ND	2.21	110	2.00	3.62	
Toluene*	<0.050	0.050	05/22/2025	ND	2.23	111	2.00	3.73	
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.17	108	2.00	3.45	
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.38	106	6.00	3.65	
Total BTX	<0.300	0.300	05/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 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	05/23/2025	ND	400	100	400	3.92		

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	05/22/2025	ND	185	92.6	200	0.540	
DRO >C10-C28*	16.1	10.0	05/22/2025	ND	182	90.9	200	5.18	
EXT DRO >C28-C36	<10.0	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 82.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.5 % 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: 05/22/2025
 Reported: 05/23/2025
 Project Name: SOUTH CULEBRA BLUFF UNIT #006
 Project Number: 2707
 Project Location: EDDY CO NM

Sampling Date: 05/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 13 (6.0') (H253071-24)

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	05/22/2025	ND	2.21	110	2.00	3.62		
Toluene*	<0.050	0.050	05/22/2025	ND	2.23	111	2.00	3.73		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.17	108	2.00	3.45		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.38	106	6.00	3.65		
Total BTEX	<0.300	0.300	05/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 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	144	16.0	05/23/2025	ND	400	100	400	3.92		

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	05/22/2025	ND	185	92.6	200	0.540	
DRO >C10-C28*	14.7	10.0	05/22/2025	ND	182	90.9	200	5.18	
EXT DRO >C28-C36	<10.0	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 89.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.2 % 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: 05/22/2025
 Reported: 05/23/2025
 Project Name: SOUTH CULEBRA BLUFF UNIT #006
 Project Number: 2707
 Project Location: EDDY CO NM

Sampling Date: 05/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 14 (6.0') (H253071-25)

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	05/22/2025	ND	2.21	110	2.00	3.62	
Toluene*	<0.050	0.050	05/22/2025	ND	2.23	111	2.00	3.73	
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.17	108	2.00	3.45	
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.38	106	6.00	3.65	
Total BTX	<0.300	0.300	05/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 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	192	16.0	05/23/2025	ND	400	100	400	3.92		

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	05/22/2025	ND	185	92.6	200	0.540	
DRO >C10-C28*	<10.0	10.0	05/22/2025	ND	182	90.9	200	5.18	
EXT DRO >C28-C36	<10.0	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 90.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 93.3 % 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: 05/22/2025
 Reported: 05/23/2025
 Project Name: SOUTH CULEBRA BLUFF UNIT #006
 Project Number: 2707
 Project Location: EDDY CO NM

Sampling Date: 05/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 15 (6.0') (H253071-26)

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	05/22/2025	ND	2.21	110	2.00	3.62		
Toluene*	<0.050	0.050	05/22/2025	ND	2.23	111	2.00	3.73		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.17	108	2.00	3.45		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.38	106	6.00	3.65		
Total BTEX	<0.300	0.300	05/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 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	112	16.0	05/23/2025	ND	400	100	400	3.92		

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	05/22/2025	ND	185	92.6	200	0.540	
DRO >C10-C28*	<10.0	10.0	05/22/2025	ND	182	90.9	200	5.18	
EXT DRO >C28-C36	<10.0	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 87.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.3 % 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: 05/22/2025
 Reported: 05/23/2025
 Project Name: SOUTH CULEBRA BLUFF UNIT #006
 Project Number: 2707
 Project Location: EDDY CO NM

Sampling Date: 05/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 16 (6.0') (H253071-27)

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	05/22/2025	ND	2.21	110	2.00	3.62		
Toluene*	<0.050	0.050	05/22/2025	ND	2.23	111	2.00	3.73		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.17	108	2.00	3.45		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.38	106	6.00	3.65		
Total BTEX	<0.300	0.300	05/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 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	176	16.0	05/23/2025	ND	400	100	400	3.92		

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	05/22/2025	ND	185	92.6	200	0.540	
DRO >C10-C28*	<10.0	10.0	05/22/2025	ND	182	90.9	200	5.18	
EXT DRO >C28-C36	<10.0	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 89.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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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", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No:

4853071

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

Page 1 of 3

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:	South Culebra Bluff Unit #006	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush
Project Number:	2707	Due Date:	24 HR
Project Location:	Eddy Co, New Mexico	TAI starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	JDC		
PO #:			
SAMPLE RECEIPT			
Received Intact:	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	#140
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	10.33
Total Containers:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	3.41
		Corrected Temperature:	-3.12

Parameters	ANALYSIS REQUEST												Preservative Codes
	Pres. Code												
BTEX 8021B													HOLD
TPH 8015M (GRO + DRO + MRO)													
Chloride 4500													
													None: NO
													DI Water: H ₂ O
													Cool: Cool
													MeOH: Me
													HCL: HC
													HNO ₃ : HN
													H ₂ SO ₄ : H ₂
													NaOH: Na
													H ₃ PO ₄ : HP
													NaHSO ₄ : NABIS
													Na ₂ S ₂ O ₃ : NASO ₃
													Zn Acetate+NaOH: Zn
													NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments
CS-17 (6)	5/21/2025		X		Comp	1	X	X	X	X									
CS-18 (6)	5/21/2025		X		Comp	1	X	X	X	X									
CS-19 (6)	5/21/2025		X		Comp	1	X	X	X	X									
CS-20 (6)	5/21/2025		X		Comp	1	X	X	X	X									
CS-21 (6)	5/21/2025		X		Comp	1	X	X	X	X									
CS-22 (6)	5/21/2025		X		Comp	1	X	X	X	X									
CS-23 (6)	5/21/2025		X		Comp	1	X	X	X	X									
CS-24 (6)	5/21/2025		X		Comp	1	X	X	X	X									
CS-25 (6)	5/21/2025		X		Comp	1	X	X	X	X									
CS-26 (6)	5/21/2025		X		Comp	1	X	X	X	X									

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

Chain of Custody

Work Order No: 1453071

Page 2 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

Program: <input checked="" type="checkbox"/> 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:	South Culebra Bluff Unit #006	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	ANALYSIS REQUEST												Preservative Codes			
Project Number:	2707															None: NO DI Water: H ₂ O			
Project Location:	Eddy Co. New Mexico	Due Date:	24 HR													Cool: Cool MeOH: Me			
Sampler's Name:	JDC	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:	+0.33													Na ₂ S ₂ O ₃ : NaSO ₃			
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading:	-3.4													Zn Acetate+NaOH: Zn			
Total Containers:		Corrected Temperature:	-3.1													NaOH+Ascorbic Acid: SAPC			

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	TPH										Sample Comments		
CS-27 (6)	5/21/2025		X		Comp	1	X	X	X										
SW-1 (6.0)	5/21/2025		X		Comp	1	X	X	X										
SW-2 (6.0)	5/21/2025		X		Comp	1	X	X	X										
SW-3 (6.0)	5/21/2025		X		Comp	1	X	X	X										
SW-4 (4.0)	5/21/2025		X		Comp	1	X	X	X										
SW-5 (4.0)	5/21/2025		X		Comp	1	X	X	X										
SW-6 (6.0)	5/21/2025		X		Comp	1	X	X	X										
SW-7 (2.0)	5/21/2025		X		Comp	1	X	X	X										
SW-8 (4.0)	5/21/2025		X		Comp	1	X	X	X										
SW-9 (4.0)	5/21/2025		X		Comp	1	X	X	X										

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
<u>Ashton Thielke</u>	<u>Ashton Thielke</u>	5-22-25 0911P			

Chain of Custody

Work Order No:

HA53071

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

Page 3 of 3

Work Order Comments

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

State of Project:

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

Deliverables: EDD ☐ Adapt ☐ Other:

Project Name:	South Culbtra Bluff Unit #006	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	
Project Number:	2707	Due Date:	24-HR		
Project Location:	Eddy Co, New Mexico	TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	JDC				
PO #:					
SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Parameters
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:			
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:			
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading:			
Total Containers:		Corrected Temperature:			

Sample Identification						Date	Time	Soil	Water	Grab/ Comp	# of Cont	TPH 8	NaOH+Ascorbic Acid: SAPC																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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SW-10 (2.0')		5/21/2025		X		Comp	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



Environment Testing

- 1
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- 11
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- 13
- 14

ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/27/2025 3:08:57 PM

JOB DESCRIPTION

South Culebra Bluff Unit #006
Eddy Co, New Mexico

JOB NUMBER

880-58519-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701



Eurofins Midland

Job Notes

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

Authorization



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5/27/2025 3:08:57 PM

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

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Laboratory Job ID: 880-58519-1
SDG: Eddy Co, New Mexico

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	7
QC Sample Results	8
QC Association Summary	12
Lab Chronicle	14
Certification Summary	15
Method Summary	16
Sample Summary	17
Chain of Custody	18
Receipt Checklists	19

1

2

3

4

5

6

7

8

9

10

11

12

13

14

Definitions/Glossary

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 880-58519-1
SDG: Eddy Co, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
SQL	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: South Culebra Bluff Unit #006

Job ID: 880-58519-1

Job ID: 880-58519-1

Eurofins Midland

Job Narrative 880-58519-1

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 sample was received on 5/23/2025 8:23 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -3.3°C.

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: The method blank for preparation batch 880-110775 and analytical batch 880-110847 contained Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-110775/2-A) and (LCSD 880-110775/3-A). 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.

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: South Culebra Bluff Unit #006

Job ID: 880-58519-1
SDG: Eddy Co, New Mexico

Client Sample ID: CS-3 (6.25')

Lab Sample ID: 880-58519-1

Date Collected: 05/22/25 00:00

Matrix: Solid

Date Received: 05/23/25 08:23

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		05/23/25 14:25	05/24/25 02:27	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/23/25 14:25	05/24/25 02:27	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/23/25 14:25	05/24/25 02:27	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/23/25 14:25	05/24/25 02:27	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/23/25 14:25	05/24/25 02:27	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/23/25 14:25	05/24/25 02:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	05/23/25 14:25	05/24/25 02:27	1
1,4-Difluorobenzene (Surr)	99		70 - 130	05/23/25 14:25	05/24/25 02:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/24/25 02:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/23/25 20:35	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		05/22/25 15:47	05/23/25 20:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/22/25 15:47	05/23/25 20:35	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/22/25 15:47	05/23/25 20:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	125		70 - 130	05/22/25 15:47	05/23/25 20:35	1
o-Terphenyl (Surr)	122		70 - 130	05/22/25 15:47	05/23/25 20:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	120		10.0		mg/Kg			05/23/25 21:17	1

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 880-58519-1
SDG: Eddy Co, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-58519-1	CS-3 (6.25')	93	99
880-58543-A-1-A MS	Matrix Spike	102	107
880-58543-A-1-B MSD	Matrix Spike Duplicate	100	100
LCS 880-110861/1-A	Lab Control Sample	100	103
LCSD 880-110861/2-A	Lab Control Sample Dup	99	103
MB 880-110716/5-A	Method Blank	100	91
MB 880-110861/5-A	Method Blank	100	84
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-58519-1	CS-3 (6.25')	125	122
890-8192-A-12-J MS	Matrix Spike	126	115
890-8192-A-12-K MSD	Matrix Spike Duplicate	125	113
LCS 880-110775/2-A	Lab Control Sample	152 S1+	135 S1+
LCSD 880-110775/3-A	Lab Control Sample Dup	153 S1+	136 S1+
MB 880-110775/1-A	Method Blank	126	124
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

QC Sample Results

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 880-58519-1
SDG: Eddy Co, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-110716/5-A

Matrix: Solid

Analysis Batch: 110788

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 110716

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/22/25 10:40	05/23/25 12:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/22/25 10:40	05/23/25 12:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/22/25 10:40	05/23/25 12:21	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/22/25 10:40	05/23/25 12:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/22/25 10:40	05/23/25 12:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/22/25 10:40	05/23/25 12:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	05/22/25 10:40	05/23/25 12:21	1
1,4-Difluorobenzene (Surr)	91		70 - 130	05/22/25 10:40	05/23/25 12:21	1

Lab Sample ID: MB 880-110861/5-A

Matrix: Solid

Analysis Batch: 110788

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 110861

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/23/25 14:25	05/23/25 23:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/23/25 14:25	05/23/25 23:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/23/25 14:25	05/23/25 23:21	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/23/25 14:25	05/23/25 23:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/23/25 14:25	05/23/25 23:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/23/25 14:25	05/23/25 23:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	05/23/25 14:25	05/23/25 23:21	1
1,4-Difluorobenzene (Surr)	84		70 - 130	05/23/25 14:25	05/23/25 23:21	1

Lab Sample ID: LCS 880-110861/1-A

Matrix: Solid

Analysis Batch: 110788

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 110861

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1148		mg/Kg		115	70 - 130
Toluene	0.100	0.09358		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.09658		mg/Kg		97	70 - 130
m,p-Xylenes	0.200	0.1995		mg/Kg		100	70 - 130
o-Xylene	0.100	0.09936		mg/Kg		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-110861/2-A

Matrix: Solid

Analysis Batch: 110788

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 110861

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1094		mg/Kg		109	70 - 130	5	35

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QC Sample Results

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 880-58519-1
SDG: Eddy Co, New Mexico

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

Lab Sample ID: LCSD 880-110861/2-A

Matrix: Solid

Analysis Batch: 110788

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 110861

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Toluene	0.100	0.09403		mg/Kg		94	70 - 130	0		35
Ethylbenzene	0.100	0.09842		mg/Kg		98	70 - 130	2		35
m,p-Xylenes	0.200	0.2039		mg/Kg		102	70 - 130	2		35
o-Xylene	0.100	0.1019		mg/Kg		102	70 - 130	3		35

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-58543-A-1-A MS

Matrix: Solid

Analysis Batch: 110788

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 110861

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec	
									Limits	RPD
Benzene	<0.00200	U	0.100	0.1058		mg/Kg		106	70 - 130	
Toluene	<0.00200	U	0.100	0.08583		mg/Kg		86	70 - 130	
Ethylbenzene	<0.00200	U	0.100	0.08588		mg/Kg		86	70 - 130	
m,p-Xylenes	<0.00399	U	0.200	0.1766		mg/Kg		88	70 - 130	
o-Xylene	<0.00200	U	0.100	0.08653		mg/Kg		87	70 - 130	

Surrogate	MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: 880-58543-A-1-B MSD

Matrix: Solid

Analysis Batch: 110788

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 110861

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
Benzene	<0.00200	U	0.100	0.1056		mg/Kg		106	70 - 130	0		35
Toluene	<0.00200	U	0.100	0.09248		mg/Kg		92	70 - 130	7		35
Ethylbenzene	<0.00200	U	0.100	0.09278		mg/Kg		93	70 - 130	8		35
m,p-Xylenes	<0.00399	U	0.200	0.1929		mg/Kg		96	70 - 130	9		35
o-Xylene	<0.00200	U	0.100	0.09492		mg/Kg		95	70 - 130	9		35

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

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

Lab Sample ID: MB 880-110775/1-A

Matrix: Solid

Analysis Batch: 110847

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 110775

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/22/25 15:47	05/23/25 18:35	1

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QC Sample Results

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 880-58519-1
SDG: Eddy Co, New Mexico

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

Lab Sample ID: MB 880-110775/1-A

Matrix: Solid

Analysis Batch: 110847

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 110775

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/22/25 15:47	05/23/25 18:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/22/25 15:47	05/23/25 18:35	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	126		70 - 130				05/22/25 15:47	05/23/25 18:35	1
o-Terphenyl (Surr)	124		70 - 130				05/22/25 15:47	05/23/25 18:35	1

Lab Sample ID: LCS 880-110775/2-A

Matrix: Solid

Analysis Batch: 110847

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 110775

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1182		mg/Kg		118	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1121		mg/Kg		112	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane (Surr)	152	S1+	70 - 130				
o-Terphenyl (Surr)	135	S1+	70 - 130				

Lab Sample ID: LCSD 880-110775/3-A

Matrix: Solid

Analysis Batch: 110847

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 110775

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1208		mg/Kg		121	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1126		mg/Kg		113	70 - 130	0	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane (Surr)	153	S1+	70 - 130						
o-Terphenyl (Surr)	136	S1+	70 - 130						

Lab Sample ID: 890-8192-A-12-J MS

Matrix: Solid

Analysis Batch: 110847

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 110775

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	969.3		mg/Kg		97	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	999	958.1		mg/Kg		93	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane (Surr)	126		70 - 130						
o-Terphenyl (Surr)	115		70 - 130						

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QC Sample Results

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 880-58519-1
SDG: Eddy Co, New Mexico

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

Lab Sample ID: 890-8192-A-12-K MSD

Matrix: Solid

Analysis Batch: 110847

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 110775

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	963.7		mg/Kg		96	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	971.9		mg/Kg		94	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	125		70 - 130								
o-Terphenyl (Surr)	113		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-110862/1-A

Matrix: Solid

Analysis Batch: 110916

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			05/23/25 20:56	1

Lab Sample ID: LCS 880-110862/2-A

Matrix: Solid

Analysis Batch: 110916

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	254.6		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-110862/3-A

Matrix: Solid

Analysis Batch: 110916

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	255.2		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 880-58519-1 MS

Matrix: Solid

Analysis Batch: 110916

Client Sample ID: CS-3 (6.25')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	120		251	393.2		mg/Kg		109	90 - 110

Lab Sample ID: 880-58519-1 MSD

Matrix: Solid

Analysis Batch: 110916

Client Sample ID: CS-3 (6.25')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	120		251	396.0		mg/Kg		110	90 - 110	1	20

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 880-58519-1
SDG: Eddy Co, New Mexico

GC VOA

Prep Batch: 110716

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-110716/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 110788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58519-1	CS-3 (6.25')	Total/NA	Solid	8021B	110861
MB 880-110716/5-A	Method Blank	Total/NA	Solid	8021B	110716
MB 880-110861/5-A	Method Blank	Total/NA	Solid	8021B	110861
LCS 880-110861/1-A	Lab Control Sample	Total/NA	Solid	8021B	110861
LCSD 880-110861/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	110861
880-58543-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	110861
880-58543-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	110861

Prep Batch: 110861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58519-1	CS-3 (6.25')	Total/NA	Solid	5035	
MB 880-110861/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-110861/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-110861/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-58543-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-58543-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 110992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58519-1	CS-3 (6.25')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 110775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58519-1	CS-3 (6.25')	Total/NA	Solid	8015NM Prep	
MB 880-110775/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-110775/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-110775/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8192-A-12-J MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-8192-A-12-K MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 110847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58519-1	CS-3 (6.25')	Total/NA	Solid	8015B NM	110775
MB 880-110775/1-A	Method Blank	Total/NA	Solid	8015B NM	110775
LCS 880-110775/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	110775
LCSD 880-110775/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	110775
890-8192-A-12-J MS	Matrix Spike	Total/NA	Solid	8015B NM	110775
890-8192-A-12-K MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	110775

Analysis Batch: 110974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58519-1	CS-3 (6.25')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 880-58519-1
SDG: Eddy Co, New Mexico

HPLC/IC

Leach Batch: 110862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58519-1	CS-3 (6.25')	Soluble	Solid	DI Leach	
MB 880-110862/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-110862/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-110862/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-58519-1 MS	CS-3 (6.25')	Soluble	Solid	DI Leach	
880-58519-1 MSD	CS-3 (6.25')	Soluble	Solid	DI Leach	

Analysis Batch: 110916

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58519-1	CS-3 (6.25')	Soluble	Solid	300.0	110862
MB 880-110862/1-A	Method Blank	Soluble	Solid	300.0	110862
LCS 880-110862/2-A	Lab Control Sample	Soluble	Solid	300.0	110862
LCSD 880-110862/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	110862
880-58519-1 MS	CS-3 (6.25')	Soluble	Solid	300.0	110862
880-58519-1 MSD	CS-3 (6.25')	Soluble	Solid	300.0	110862

Lab Chronicle

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 880-58519-1
SDG: Eddy Co, New Mexico

Client Sample ID: CS-3 (6.25')
Date Collected: 05/22/25 00:00
Date Received: 05/23/25 08:23

Lab Sample ID: 880-58519-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	110861	05/23/25 14:25	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110788	05/24/25 02:27	EL	EET MID
Total/NA	Analysis	Total BTEX		1			110992	05/24/25 02:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			110974	05/23/25 20:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	110775	05/22/25 15:47	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110847	05/23/25 20:35	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	110862	05/23/25 14:36	SA	EET MID
Soluble	Analysis	300.0		1			110916	05/23/25 21:17	CH	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 880-58519-1
SDG: Eddy Co, New Mexico

Laboratory: Eurofins Midland

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

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

Method Summary

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 880-58519-1
SDG: Eddy Co, New Mexico

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

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: South Culebra Bluff Unit #006

Job ID: 880-58519-1
SDG: Eddy Co, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-58519-1	CS-3 (6.25')	Solid	05/22/25 00:00	05/23/25 08:23

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

Worth

880-58519 Chain of Custody




5/27/2025

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"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: _____	

[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
1. <i>Dele Muelang</i>		5-23-25	2		
3			4		
5			6		

Revised Date: 05/01/2020 B-11 3/2020

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-58519-1

SDG Number: Eddy Co, New Mexico

Login Number: 58519

List Number: 1

List Source: Eurofins Midland

Creator: Vasquez, Julisa

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



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

June 02, 2025

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: SOUTH CULEBRA BLUFF UNIT #006

Enclosed are the results of analyses for samples received by the laboratory on 05/30/25 13:52.

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: 05/30/2025
 Reported: 06/02/2025
 Project Name: SOUTH CULEBRA BLUFF UNIT #006
 Project Number: 2707
 Project Location: EDDY CO NM

Sampling Date: 05/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BACKFILL (H253250-01)

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	05/30/2025	ND	1.97	98.3	2.00	4.28	
Toluene*	<0.050	0.050	05/30/2025	ND	2.09	105	2.00	2.68	
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	2.07	104	2.00	1.64	
Total Xylenes*	<0.150	0.150	05/30/2025	ND	6.41	107	6.00	1.58	
Total BTX	<0.300	0.300	05/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	06/02/2025	ND	416	104	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	05/30/2025	ND	191	95.6	200	2.69	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	179	89.4	200	0.829	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane 79.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.8 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No:

HS3750

Page 1 of 1[illegible]

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

QUESTIONS

Action 479266

QUESTIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 479266
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	nMLB0519955590
Incident Name	NMLB0519955590 SOUTH CULEBRA BLUFF UNIT #006 @ 30-015-23339
Incident Type	Other
Incident Status	Reclamation Report Received
Incident Well	[30-015-23339] SOUTH CULEBRA BLUFF UNIT #006

Location of Release Source

Please answer all the questions in this group.

Site Name	SOUTH CULEBRA BLUFF UNIT #006
Date Release Discovered	07/15/2005
Surface Owner	Private

Incident Details

Please answer all the questions in this group.

Incident Type	Other
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	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Cause: Equipment Failure Production Tank Other (Specify) Released: 70 BBL Recovered: 50 BBL Lost: 20 BBL.
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 479266

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 479266
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

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

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

I hereby agree and sign off to the above statement	Name: Kennedy Lincoln Title: Environmental Specialist Email: kennedy.lincoln@chevron.com Date: 06/26/2025
--	--

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QUESTIONS, Page 3

Action 479266

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 479266
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 500 and 1000 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1000 (ft.) and ½ (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between ½ and 1 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (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 1000 (ft.) and ½ (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 1000 (ft.) and ½ (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

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)	1430
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	16.1
GRO+DRO (EPA SW-846 Method 8015M)	16.1
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	05/19/2025
On what date will (or did) the final sampling or liner inspection occur	05/20/2025
On what date will (or was) the remediation complete(d)	05/21/2025
What is the estimated surface area (in square feet) that will be reclaimed	100000
What is the estimated volume (in cubic yards) that will be reclaimed	1108
What is the estimated surface area (in square feet) that will be remediated	5239
What is the estimated volume (in cubic yards) that will be remediated	1108
<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 479266

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 479266
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	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: 06/26/2025
<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 479266

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 479266
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 479266

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 479266
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	461831
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/19/2025
What was the (estimated) number of samples that were to be gathered	35
What was the sampling surface area in square feet	5400

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	5239
What was the total volume (cubic yards) remediated	1108
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	100000
What was the total volume (in cubic yards) reclaimed	1108
Summarize any additional remediation activities not included by answers (above)	The historical release was identified and delineated during the site assessment and remediation activities. Following the remediation, confirmation floor samples and sidewall samples were collected to ensure all impact was removed. The area was backfilled with clean material and reseeded with BLM #2 seed mix."

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: Kennedy Lincoln Title: Environmental Specialist Email: kennedy.lincoln@chevron.com Date: 06/26/2025
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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 7

Action 479266

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 479266
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Reclamation Report	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	1000000
What was the total volume of replacement material (in cubic yards) for this site	1108
<i>Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.</i>	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeded commence(d)	06/20/2025
Summarize any additional reclamation activities not included by answers (above)	Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. On June 20, 2025, the backfilled areas and reclaimed pad were seeded via seed drill with the appropriate pounds of pure live seed per acre. The seed mixture used was BLM #2 sandy.
<i>The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeded plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Kennedy Lincoln Title: Environmental Specialist Email: kennedy.lincoln@chevron.com Date: 06/26/2025

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Phone: (505) 476-3441

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QUESTIONS, Page 8

Action 479266

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 479266
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Revegetation Report	
<i>Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.</i>	
Requesting a restoration complete approval with this submission	No
<i>Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.</i>	

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Santa Fe, NM 87505

CONDITIONS

Action 479266

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 479266
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	The reclamation report has been approved pursuant to 19.15.29.13 E. NMAC. The acceptance of this report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment; or if the location fails to revegetate properly. In addition, the OCD approval does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.	9/4/2025