

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



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310 West Wall Street, Suite 500 Midland TX, 79701 432.813.1992 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 NMOCD division office was notified via NMOCD 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.

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



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

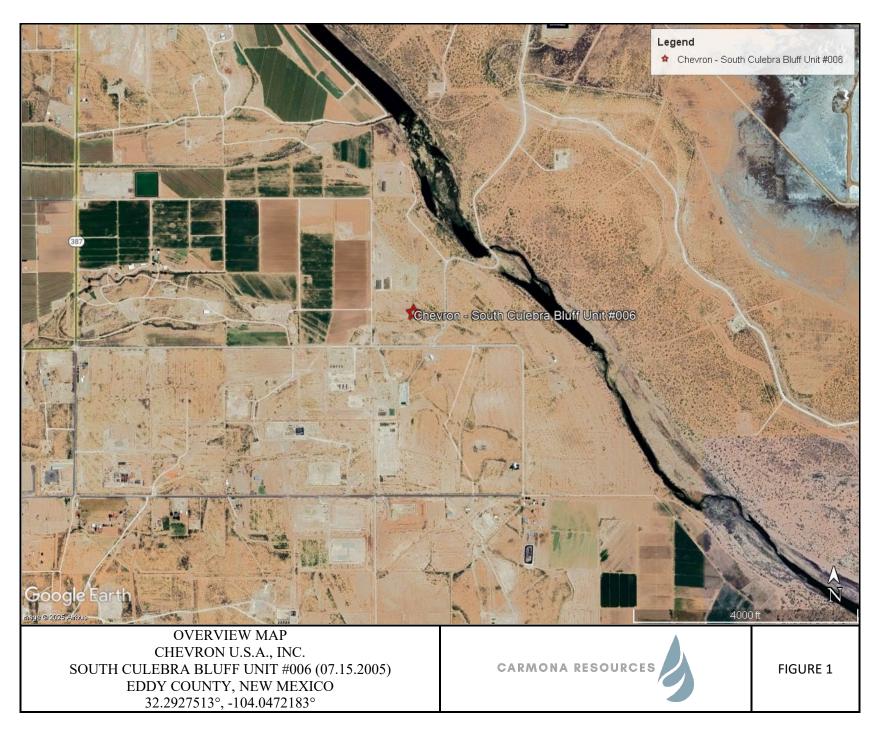
Ashton Thielke

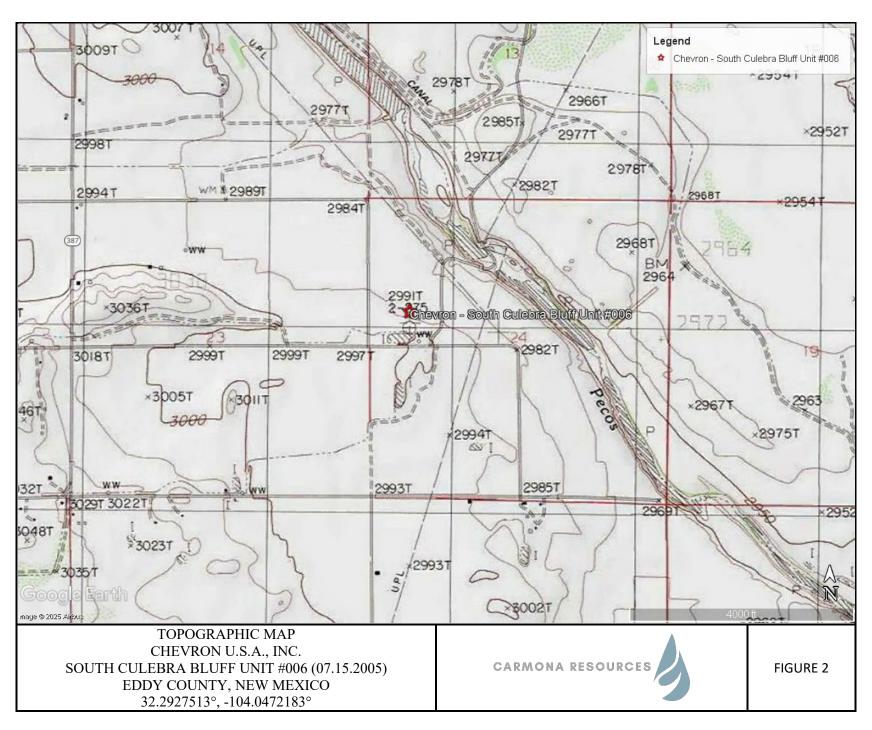
Environmental Manager

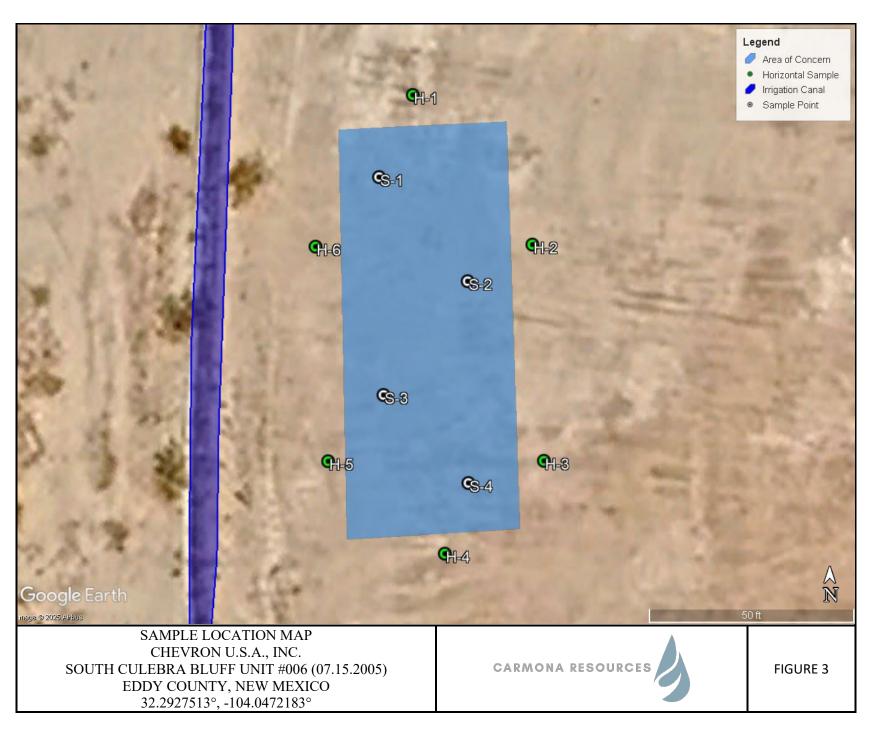
Gilbert Priego Project Manager

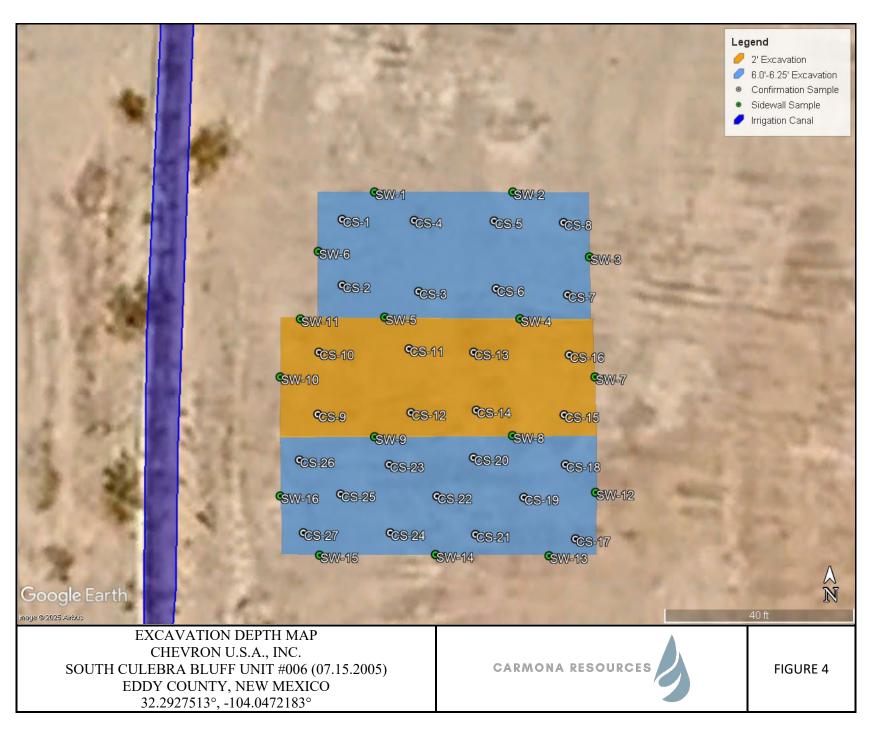
FIGURES

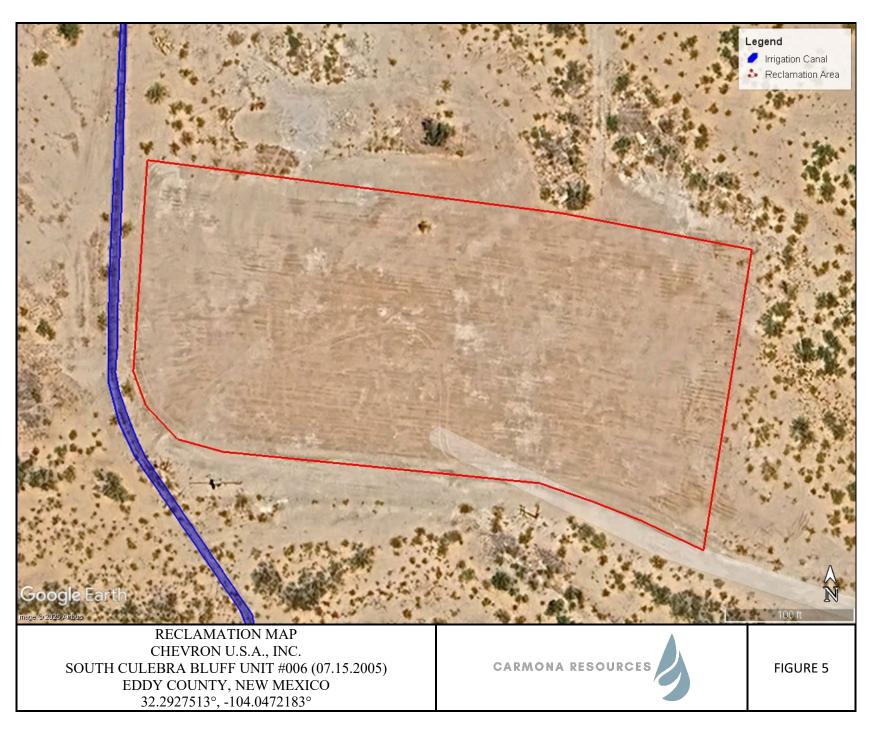
CARMONA RESOURCES











APPENDIX A

CARMONA RESOURCES

Table 1 Chevron U.S.A., Inc. South Culebra Bluff Unit #006 **Eddy County, New Mexico**

		D 41 (60)		TPH	l (mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total	Chloride
Sample ID	Date	Depth (ft)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	BTEX (mg/kg)	(mg/kg)
	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
S-1	"	2.0'	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	255
3-1	"	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
	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
S-2	"	2.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	197
3-2	"	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
	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
S-3	"	2.0'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	210
3-3	"	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
	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
S-4	"	2.0'	<49.7	<49.7	<49.7	<49.7	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	1,370
3-4	"	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
	ry 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

0	Dut	D . (1. (6)	TPH (mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total	Chloride		
Sample ID	Date	Depth (ft)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	BTEX (mg/kg)	(mg/kg)
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
	ry 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) Horzontal Sample

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Table 2
Chevron U.S.A., Inc.
South Culebra Bluff Unit #006
Eddy County, New Mexico

Comple ID	Doto	Donath (ft)		TPH	(mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total	Chloride
Sample ID	Date	Depth (ft)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	BTEX (mg/kg)	(mg/kg)
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
00-0	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
	ry 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

Commis ID	Data	Donath (ft)		TPH	(mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total	Chloride
Sample ID	Date	Depth (ft)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	BTEX (mg/kg)	(mg/kg)
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
•	ry 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

Commission	Dete	D 41- (54)		TPH	l (mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total	Chloride
Sample ID	Date	Depth (ft)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	BTEX (mg/kg)	(mg/kg)
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
Regulato	ry 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 (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

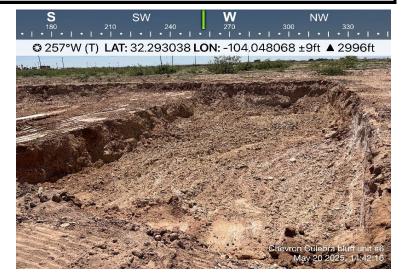
Facility: South Culebra Bluff Unit #006

(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

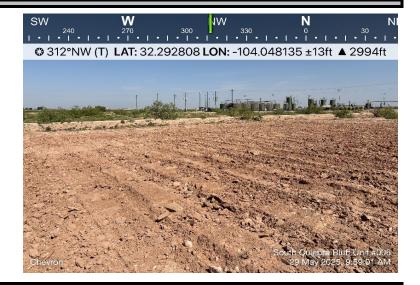
Facility: South Culebra Bluff Unit #006

(07.15.2005)

County: Eddy County, New Mexico

Description:

View Northwest of backfilled area.





PHOTOGRAPHIC LOG

Chevron U.S.A., Inc.

Photograph No. 7

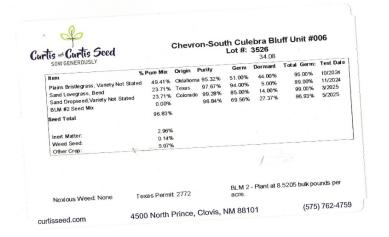
Facility: South Culebra Bluff Unit #006

(07.15.2005)

County: Eddy County, New Mexico

Description:

View of seed mixture.



Photograph No. 8

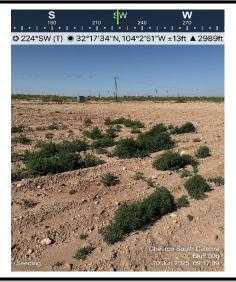
Facility: South Culebra Bluff Unit #006

(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, Artesin, NM 88210
District III
1000 Rio Bruzos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fc, 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

			era eran ega era			e' 14161 917				فالمسيرة فأكالها مسيدان			
			Rele	ease Notific	catio	n and Co	rrective A	ction	1				
MLB051	99553	90				OPERA	TOR		X Initia	al Report		Final Report	
		Range Opera		Inc		Contact George Benham							
		oving NM 88					No. 505-745-23						
Facility Na	me South	Culebra Bluf	f #6 (S	CB #6)		Facility Typ	e Tank Batter	<u>y</u>					
Surface Ow	ner Cand	је Сагтаѕсо		Mineral (Owner	Candie Can	rasco		Lease N	io. 300271			
				LOC	ATIO	N OF REI	LEASE						
Unit Letter	Section	Township	Range	Feet from the		/South Line	Feet from the	East/	West Line	County			
E	24	238	28£	1080	FNL		660	FEL		Eddy			
	1	<u> </u>	1.9	titude		Longitud				J			
			L	•									
Type of Rele	ase Produ	ced Oil & Wa	ler	NA.	UKE	OF REL	Release 70 Bbls		Volume	Recovered 5	0 Bbls	3	
Source of Re							lour of Occurrence		Date and	How of Dis	covery		
Tank Batter							me Unknown	·- · · · · · · · · · · · · · · · · · ·		10:00 AM			
Was Immedi	iate Notice		Yes 🔲	No Not Ro	equired	If YES, To Mike Brat							
By Whom?	George B	enham				Date and F	lour 7-15-05	2: 00 P1	М		-		
Was a Water	course Rea		Yes X	No		if YES, Vo	olume Impacting	the Wat	ercourse.				
Water Dump Describe An Fluid was al	ea Affected	and Cleanup inside the fend	he Heater Action Tal cod berm a	Treater dumping ken.* area. Picked up fl	nid w/v	ac truck & spri	ead sand to soak to knowledge and to		and that num	Sugns to NM	IOCD t	nics and	
regulations a public health should their or the environ	all operators to or the envious operations operations. In	are required in are required to the same failed to	to report a e acceptan adequately DCD accep	nd/or file certain ce of a C-141 rep y investigate and	release out by the remedia	notifications a he NMOCD m te contaminat	nd perform corre- larked as "Final Ricon that pose a the re the operator of	ctive ac leport" reat to g	tions for rel does not rel ground wate	eases which leve the opo r, surface w	may c rator o ater, hu	ndanger f liability uman health	
OIL CONSERVATION DIVISION													
Signature:	Deorg	e Be	mka.					7	M GU	z [*]			
Printed Nam	ne: George	Benham				Approved by	District Supervis	_	by ME	nlik,	Sina	e usa	
Title: Prod	uction Supe	rvisor				Approval Da	te: 9/23/05		Expiration	Date: N/	í		
E-mail Add	ress: gbenb	an@rangeres	ources.com	m		Conditions of Approval:			Attached				
	5-05	ets If Neces		: 505-745-2329									



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.

<u>In the event that a satisfactory response is not received to this letter</u> 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 <u>CIVIL PENALTIES</u> for your violation of NMOCD rules.

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

Mile Laurenen Mike Bratcher

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:	OGRID:
CHEVRON U S A INC	4323
6301 Deauville Blvd	Action Number:
Midland, TX 79706	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								
Please answer all the questions in this group.								
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

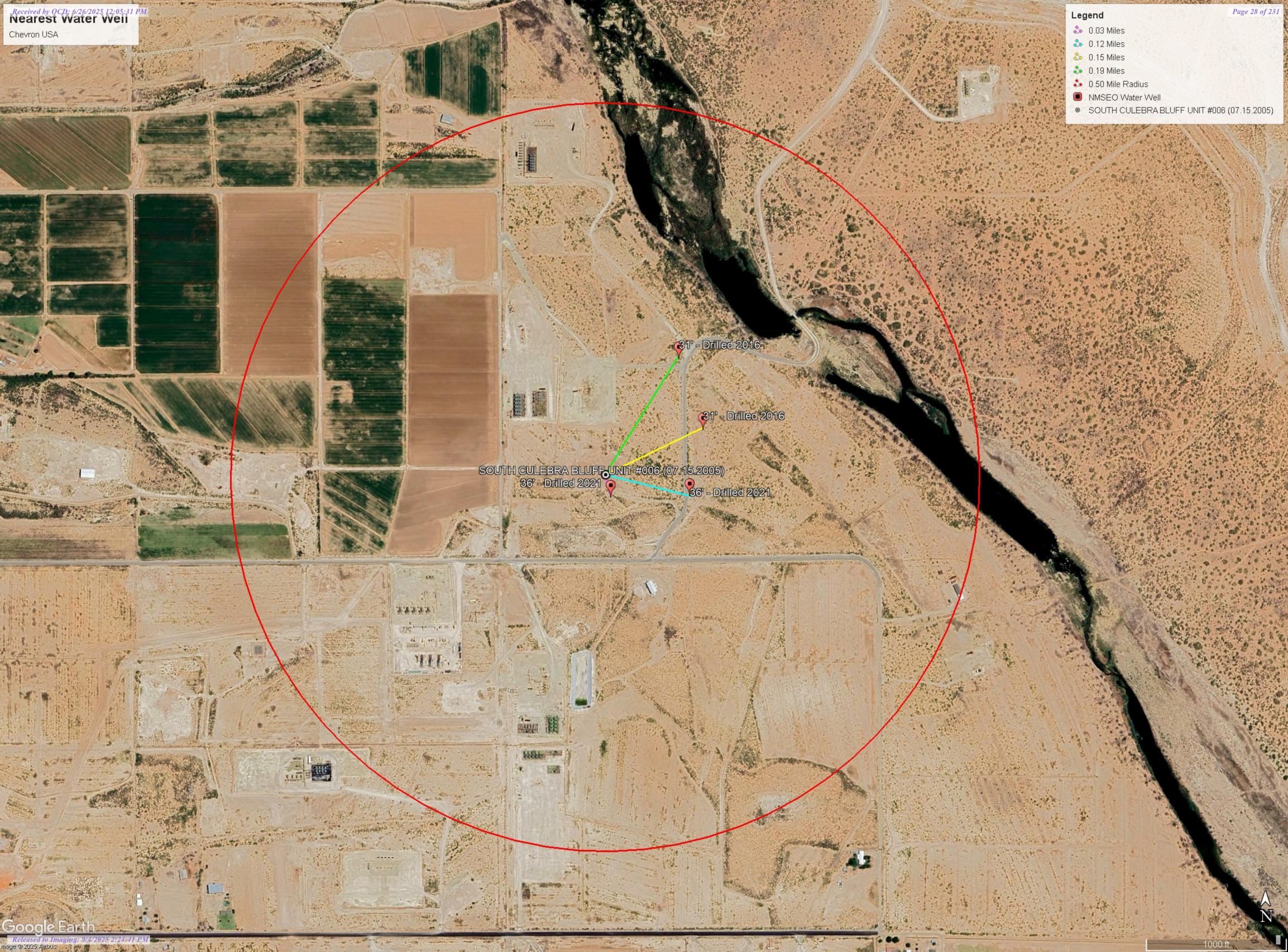
Operator:	OGRID:
CHEVRON U S A INC	4323
6301 Deauville Blvd	Action Number:
Midland, TX 79706	461831
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By		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







New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been

(R=POD has been replaced, O=orphaned,

(quarters are

eplaced & no longer serves a water right file.)	C=the file is closed)			smalle larges									(meters)		(In feet)	
POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Мар	Distance	Well Depth	Depth Water	
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
<u>C 03146</u>		С	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
<u>C 01102</u>		С	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
<u>C 01217</u>		CUB	ED	SE	NW	SW	13	23S	28E	589788.9	3574371.9	•	1090	87	50	37
<u>C 00154</u>		CUB	ED	SE	NE	NW	23	23S	28E	588595.0	3573566.0 *	•	1149	196	38	158
<u>C 01215</u>		CUB	ED	SE	NE	SW	13	23S	28E	590210.0	3574397.0 *	•	1220	104	15	89
<u>C 01967</u>		С	ED		NE	SW	13	23S	28E	590111.0	3574498.0 *	•	1278	264	200	64
<u>C 01443</u>		С	ED		NE	NW	25	23S	28E	590123.0	3572064.0 *	•	1288	50	27	23
<u>C 00136 S</u>		CUB	ED	NW	NW	NE	25	23S	28E	590426.0	3572167.0 *	•	1327	122	45	77
C 00154 CLW194067	0	CUB	ED	SW	NE	NW	23	23S	28E	588395.0	3573566.0 *	•	1343	150	65	85
<u>C 01108</u>		С	ED	SW	NE	NW	23	23S	28E	588395.0	3573566.0 *	•	1343	60	35	25
<u>C 01214</u>		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
<u>C 00136</u>		CUB	ED	SW	NW	NE	25	23S	28E	590426.0	3571967.0 *	•	1499	200	42	158
C 00136 CLW194026	0	CUB	ED	SW	NW	NE	25	23S	28E	590426.0	3571967.0 *	•	1499	200	52	148

23S 28E

590426.0 3571967.0 *

Average Depth to Water: 42 feet

200

1499

Minimum Depth: 12 feet

42

158

Maximum Depth: 200 feet

Record Count: 24

C 00136 CLW235233 O

UTM Filters (in meters):

Easting: 589709.00 **Northing:** 3573284.00

Radius: 1500

* UTM location was derived from PLSS - see Help

CUB ED

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

NO	OSE POD NO. (POD 1 (MW	WELL NO. 7-11))	WELL TAG ID NO.		OSE FILE NO(S). C-4556					
ОСАТІ	WELL OWNER Arcadis	NAME(S)		<u> </u>		PHONE (OPTIO	ONAL)				
AND WELL LOCATION	WELL OWNER 1004 N Big	MAILING Spring S	ADDRESS treet, Suite 121			CITY STATE ZIP Midland TX 79701					
AND	WELL	T	DE 32.	GREES MINUTES SECO	ONDS			a dadi garan dan Abibbah sakan di Kasan ngapi dina sakipangan			
	LOCATION (FROM GPS)		TTUDE -10	4.047121 320 7 36	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84					
GENERAL		LON	G WELL LOCATION TO	STREET ADDRESS AND COMMON I ANDA	MARKS - PLSS	S (SECTION TO	WNSHIIP RANGE) WHI	FRE AVAII ARI F			
1.6	DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHJIP, RANGE) WHERE AVAILABLE										
	LICENSE NO. WD-17	31	NAME OF LICENSED	DRILLER Ken Cooper			NAME OF WELL DRI Harrison & Coo	LLING COMPANY per, Inc. (DBA HCI D	rilling)		
	DRILLING STARTED DRILLING ENDED 08/17/2021 08/17/2021			DEPTH OF COMPLETED WELL (FT) 40		E DEPTH (FT)	DEPTH WATER FIRS	T ENCOUNTERED (FT)			
							STATIC WATER LEV	EL IN COMPLETED WE	LL (FT)		
NO	COMPLETED	WELL IS:	ARTESIAN	DRY HOLE SHALLOW (UNCONFINED)			3	6			
ATI	DRILLING FLU	ЛD:	✓ AIR	MUD ADDITIVES – SPE	ECIFY:						
ORM	DRILLING ME	THOD:	✓ ROTARY	HAMMER CABLE TOOL	OTHER	R – SPECIFY:					
G INF	DEPTH (f		BORE HOLE	CASING MATERIAL AND/OR GRADE		SING	CASING	CASING WALL	SLOT		
CASING INFORMATION	FROM TO		DIAM (inches)	(include each casing string, and note sections of screen)	T	ECTION YPE ing diameter)	INSIDE DIAM. (inches)	THICKNESS (inches)	SIZE (inches)		
& C.	0	30	8	PVC	1	FJ	4	Sch 40			
ING	20	40	8	PVC	-	FJ	4	Sch 40	.010		
DRILLING					-						
2. DI					 						
								3 2021 AMII:45			
							had rad has been a substance of men	A dear of himself to the day of the field			
	DEPTH (f	eet bgl)	BORE HOLE	LIST ANNULAR SEAL MA			AMOUNT	METHO			
MAI	FROM	TO	DIAM. (inches)	GRAVEL PACK SIZE-RANG	E BY INTE	RVAL	(cubic feet)	PLACEM			
VTE	0	18	8	Bentonite Sand			10 15	Poured/Tro			
RM				Suite				100100111			
ULA											
ANNULAR MATERIAL		-									
6,											
EOP	OSE INTERN	AL LICE				W/D 2/) WELL RECORD &	2 LOG (Varsian 04/2)			

POD NO.

Released to Imaging: 9/4/2025 2:24:41 PM

FILE NO. LOCATION

MON-

TRN NO.

WELL TAG ID NO.

					T	T	
	DEPTH (1	TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONE (attach supplemental sheets to fully describe all units)	s	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	0 1 1 Topsoil						And the state of t
	1	4		Y N			
	4	14	10	Caliche	$\overline{}$	Y N	
	14	17	3	Sand		Y N	
	17	25	8	Caliche		(Y) N	
_	25	36	9	Sand		(Y) N	
VEL	36	40	4	Clay		(Y) N	
4. HYDROGEOLOGIC LOG OF WELL	·						
90'				Y N			
ICI						Y N	
007						Y N	
GEO						Y N	
RO						Y N	
HYD						Y N	
4						Y N	
						Y N	
						Y N	
						Y N	
						Y N	
						Y N	
						Y N	
	METHOD U	SED TO ES	STIMATE YIELD	OF WATER-BEARING STRATA:		L ESTIMATED	
	PUMI	Р	WEL	L YIELD (gpm):	0.00		
ON	WELL TES			ACH A COPY OF DATA COLLECTED DURING WELL TESTING, INC ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OV			
TEST; RIG SUPERVISION	MISCELLA	NEOUS INI	FORMATION:				
PER							
SS							
r; RI				095	. DIT 5	EP 23 2021 AM	11:45
LES	PRINT NAM	ME(S) OF D	RILL RIG SUPER	VISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CON	ISTRUC	CTION OTHER TH	IAN LICENSEE:
3.							
						10 to 1 =====	UD GODDES
SIGNATURE	RECORD O	F THE ABO	VE DESCRIBED	AT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOF WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HA WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPI	S BEE	N INSTALLED AN	ID THAT THIS
NAT	1/1/	7/		Ken Cooper		09/13/2021	
SIG	X/V)		For KON	Coopee			
6.		SIGNAT		R / PRINT SIGNEE NAME		DATE	
FOR	OSE INTER	NAL USE		WR-20 WE	LL REC	CORD & LOG (Vei	rsion 04/30/2019)

FOR OSE INTERNAL USE		WR-20 WELL R	ECORD & LOG (Vers	sion 04/30/2019)
FILE NO. (- 4556	POD NO	TRN NO.	09978	5
LOCATION [3,4]	235 285-24	WELL TAG ID NO.		PAGE 2 OF 2



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

-		-									
NO	OSE POD NO. (POD 2 (MW	(WELL NO. 7-12))	WELL TAG ID NO.		OSE FILE NO(S C-4556	5).				
OCATI	WELL OWNER Arcadis	R NAME(S)				PHONE (OPTIONAL)					
AND WELL LOCATION	WELL OWNER 1004 N Big	R MAILING Spring S	ADDRESS treet, Suite 121			CITY STATE ZIP TX 79701					
GENERAL AND	WELL LOCATION (FROM GPS))	32.	GREES MINUTES SECO 322337 32 17 36	2.4/N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84					
1. GEN	DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHJIP, RANGE) WHERE AVAILABLE										
LICENSE NO. WD-1731 NAME OF LICENSED DRILLER Ken Cooper Harrison & Cooper, Inc.								LLING COMPANY per, Inc. (DBA HCI I	Orilling)		
	DRILLING STA	ARTED 021	DRILLING ENDED 08/17/2021	DEPTH OF COMPLETED WELL (FT) 40	BORE HOL	E DEPTH (FT) 40	DEPTH WATER FIRS	it encountered (ft)			
Z	COMPLETED	WELL IS:	ARTESIAN	DRY HOLE SHALLOW (UNCONFINED)			STATIC WATER LEV	EL IN COMPLETED WE	LL (FT)		
L	DRILLING FLUID: AIR MUD ADDITIVES – SPECIFY:										
ORMA	DRILLING ME	THOD:	ROTARY	HAMMER CABLE TOOL	OTHER	R – SPECIFY:					
CASING INFORMATION	DEPTH (feet bgl) FROM TO DIAM (inches)			(include each casing string, and		SING ECTION YPE	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)		
	0	30	8	PVC		ng diameter) FJ	4	Sch 40	-		
3	20	40	8	PVC		FJ	4	Sch 40	.010		
CIN					 						
DRILLING			-		-						
2. D						***************************************					
							03E DII 3EP 23	2021 +411:45			
د	DEPTH (f		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MA GRAVEL PACK SIZE-RANG			AMOUNT (cubic feet)	METHO PLACEN			
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J.A.					·····						
. ANNULAR MATERIAL		*									
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FOR	OSE INTERN	JAL JISE				WR-20) WELL RECORD &	& LOG (Version 04/3	0/19)		

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			T 1								
	DEPTH (1	TO	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)					
	0	1	Y N								
	1	4	3	Sand	Y N						
	4	14	10	Caliche	Y N						
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SIGNATURE	WELL REC	ORD WILL	ALSO BE FILED	WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPL		LING.					
CN	(//)	7/		Ken Cooper	09/13/2021						
6. SI			or Ken (
		SIGNAT	URE OF DRILLE	R / PRINT SIGNEE NAME	DATE						
FOI	FOR OSE INTERNAL USE WR-20 WELL RECORD & LOG (Version 04/30/2019)										

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235-28E

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FILE NO.

LOCATION

PAGE 2 OF 2

WELL TAG ID NO.



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

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STATE ENGINEER OFFICE ROSWELL, NEW MEX 100

2016 AUG 18 AM 11: 21

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	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)						
	0	2'	2'	TAN FINE SAND - CALICHE - SANDSTONE	C Y 6 N	N/A						
	2'	9'	7'	TAN FINE SAND - WEATHERED LIMESTONE	CYGN	N/A						
	9'	11'	2'	BEIGE FINE SAND - CALICHE SANDSTONE	C Y 6 N	N/A						
	11'	20'	9'	LIGHT TAN FINE SAND - SILICEOUS SANDTONE	C Y 6 N	N/A						
	20'	35'	15'	TAN FINE SAND - SANDSTONE	CY 6 N	N/A						
	35'	40'	5	TAN FINE SAND SANDSTONE WITH CLAY	CY 6 N	N/A						
4. HYDROGEOLOGIC LOG OF WELL	TD	40'			CY 6 N	N/A						
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СИ	**				CY CN							
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NOIS	WELL TES	TEST STAR	RESULTS - ATT	ACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER	JDING DISCHARGE THE TESTING PERIO	METHOD, OD.						
VISI	MISCELLA	NEOUS IN	FORMATION:									
TEST; RIG SUPERVI	8X12 FLU	SHMONT	•									
esu	2X2 PAD											
; RI	EDDY COUNTY NM											
EST	PRINT NAI	ME(S) OF D	RILL RIG SUPE	RVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONST	RUCTION OTHER T	HAN LICENSEE:						
5.1												
				FIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL REC								
SIGNATURE	AND THE	PERMIT HO	DLDER WITHIN	20 DAYS AFTER COMPLETION OF WELL DRILLING:								
NAT	,	11 .	0									
SIG		Ind	Don	Edward Spyor 8-	-14-16							
6.		SIGNAT	URE OF DRILL	ER / PRINT SIGNEE NAME	DATE							
				We so were	PEGORD # 100 G							
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FILE NUMBER LOCATION

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: 20

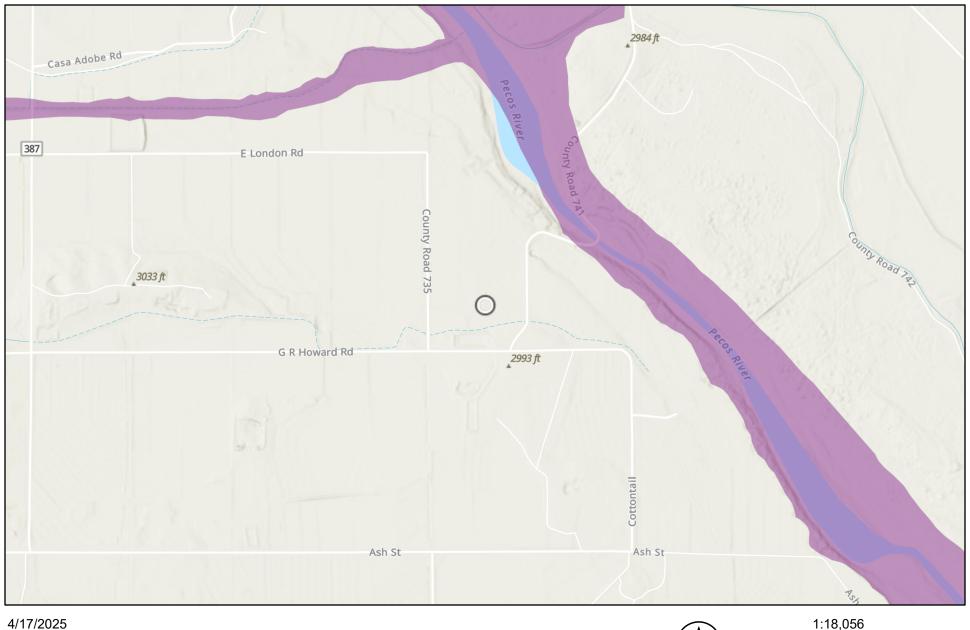
											
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	(POD5)						C-03965				
AT		VER NAME(S					PHONE (OPTI	ONAL)			
9	1	•	ng New Mexico								
1. GENERAL AND WELL LOCATION	I	Kinney, S	GADDRESS Suite 1300				Houston		STATE TX 770	ZIP 10	
Ê	WELI		DEGREE		SECONI	os					
LA]	LOCATI		TITUDE 32	17'	42"	N	* ACCURACY	REQUIRED: ONE TEN	ITH OF A SECOND		
VERA	(FROM C	PS) LO	NGITUDE 104	02'	44"	w	* DATUM RE	QUIRED: WGS 84			
E	DESCRIPTIO	ON RELATING V	WELL LOCATION TO STREE	T ADDRESS AND COMMO	N LANDMARKS - PL	SS (SECTION, T	OWNSHJIP, RANG	E) WHERE AVAILABLE			
1	SE 1/4 C	OF SE 1/4	OF NW 1/4 OF NV	V 1/4 OF SECTION	N 24, T23S, R28	BE .					
<u> </u>	LICENSE N	UMBER	NAME OF LICENSED	DRILLER				NAME OF WELL DR	RILLING COMPANY		
	WD-171	-	EDWARD BRYA	· · · · ·				STRAUB CORPO			
}	DRILLING	STARTED	DRILLING ENDED	DEPTH OF COMPLETE	D WELL (FT)	BORE HO	LE DEPTH (FT)	DEPTH WATER FIR	ST ENCOUNTERED (FI	<u>, </u>	
	7-18-16			DEPTH OF COMPLETED WELL (FT) BORE HOLE DEPTH (FT) 35'				N/A	,	,	
 	COMPLETE	D WELL IS:	Cartesian	C DRY HOLE	ONFINED)		STATIC WATER LE	VEL IN COMPLETED W	ELL (FT)		
	DRILLING FLUID:										
MA					CABLE TOOL						
OS	DRILLING		ROTARY	C HAMMER C	OTHE	R - SPECIFY:					
Ž		I (feet bgl)	BORE HOLE		CASING MATERIAL AND/OR CA		ASING	CASING	CASING WALL	SLOT	
NG	FROM	TO	DIAM (inches)	(include each cas	ing string, and		NECTION TYPE	(inches)	THICKNESS (inches)	SIZE (inches)	
2. DRILLING & CASING INFORMATION				note sections					<u> </u>		
*3	35'	25'	6"	SCH 40 .010 SC	REEN	FJ		2"	0.154	.010 RISER	
Ĭ	25'	0"	6"	SCH 40 RISER FJ				2"	O.154		
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	DEPTH	(feet bgl)	BORE HOLE	LIST AND	ULAR SEAL M	ATERIAL A	ND	AMOUNT	METHO	OD OF	
=	FROM	ТО	DIAM. (inches))	CK SIZE-RANG			(cubic feet)	PLACEI		
ER A	35'	23'	6"	13 BAGS OF 20	/40 SAND				TOPLOAD	<u>.</u>	
ATE	23'	19'	6"	1 BAG OF 3/8 F					TOPLOAD		
ANNULAR MATERIAL	19'	0	6"	5% BENTONITE		OUT			TOPLOAD		
[¥]		 -	+	370 32111011112	7 CLINCINI GI				TOTEOAD	 	
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3. AI		 	<u> </u>	 	•	· · -					
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PAGE 2 OF 2

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	DEPTH (feet bgl)	THICKNESS	COLOR AN	D TYPE OF MATERIAL ENCOUN	TERED -	WATER	ESTIMATED YIELD FOR				
	FROM	ТО	(feet)		R-BEARING CAVITIES OR FRAC oplemental sheets to fully describe a		BEARING? (YES / NO)	WATER- BEARING ZONES (gpm)				
	0	2'	2'	TAN FINE SAND -	SANDSTONE - CALICHE		CY 6 N	N/A				
	2'	20'	18'	TAN FINE SAND -	SILICEOUS SANDSTONE		CYGN	N/A				
	20'	23'	21'	TAN FINE SAND -	LARGE ROCK		CYGN	N/A				
	23'	30'	7'	TAN FINE SAND -	SANDSTONE		(Y (N	N/A				
	30'	35'	5'	TAN FINE SAND			CYGN	N/A				
ָרָ	TD	35'					CYGN	N/A				
γEL,	·						CYGN					
OF.							CYGN					
00							CYGN					
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,0G							CYCN					
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	C AIR LIF	r C 1	BAILER C	OTHER - SPECIFY:		VELL YIELD (gpm):						
7	WELL TES	T TEST	RESULTS - ATT T TIME, END TI	'ACH A COPY OF DAT ME. AND A TABLE SI	TA COLLECTED DURING WELL THOWING DISCHARGE AND DRAY	ESTING, INCLUI WDOWN OVER T	DING DISCHARGE HE TESTING PERIO	METHOD, DD.				
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RVI			ORMATION:									
OPE	8X12 FLU 2X2 PAD	SHMONT										
IG S		UNTY NM										
TEST; RIG SUPERVI					<u> </u>			, 				
TES	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:											
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幽	CORRECT	RECORD O	F THE ABOVE I	DESCRIBED HOLE AN	EST OF HIS OR HER KNOWLEDG ID THAT HE OR SHE WILL FILE T	THIS WELL RECO	RD WITH THE STA	TE ENGINEER				
rg.	AND THE P	PERMIT HO	LDER WITHIN	20 DAYS AFTER COM	PLETION OF WELL DRILLING:							
N.	//		7		1	.3						
6. SIGNATURE	2800	13		Elwano	JAMIN _	<u>8-</u>	1446					
<u>.</u>	- <i>1</i> 	SIGNA	URE OF DRILLE	ER / PRINT SIGNEE	NAME /		DATE					
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LOCATION

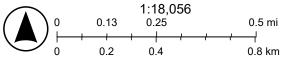
SOUTH CULEBRA BLUFF UNIT #006 (07.15.2005)



USA Flood Hazard Areas

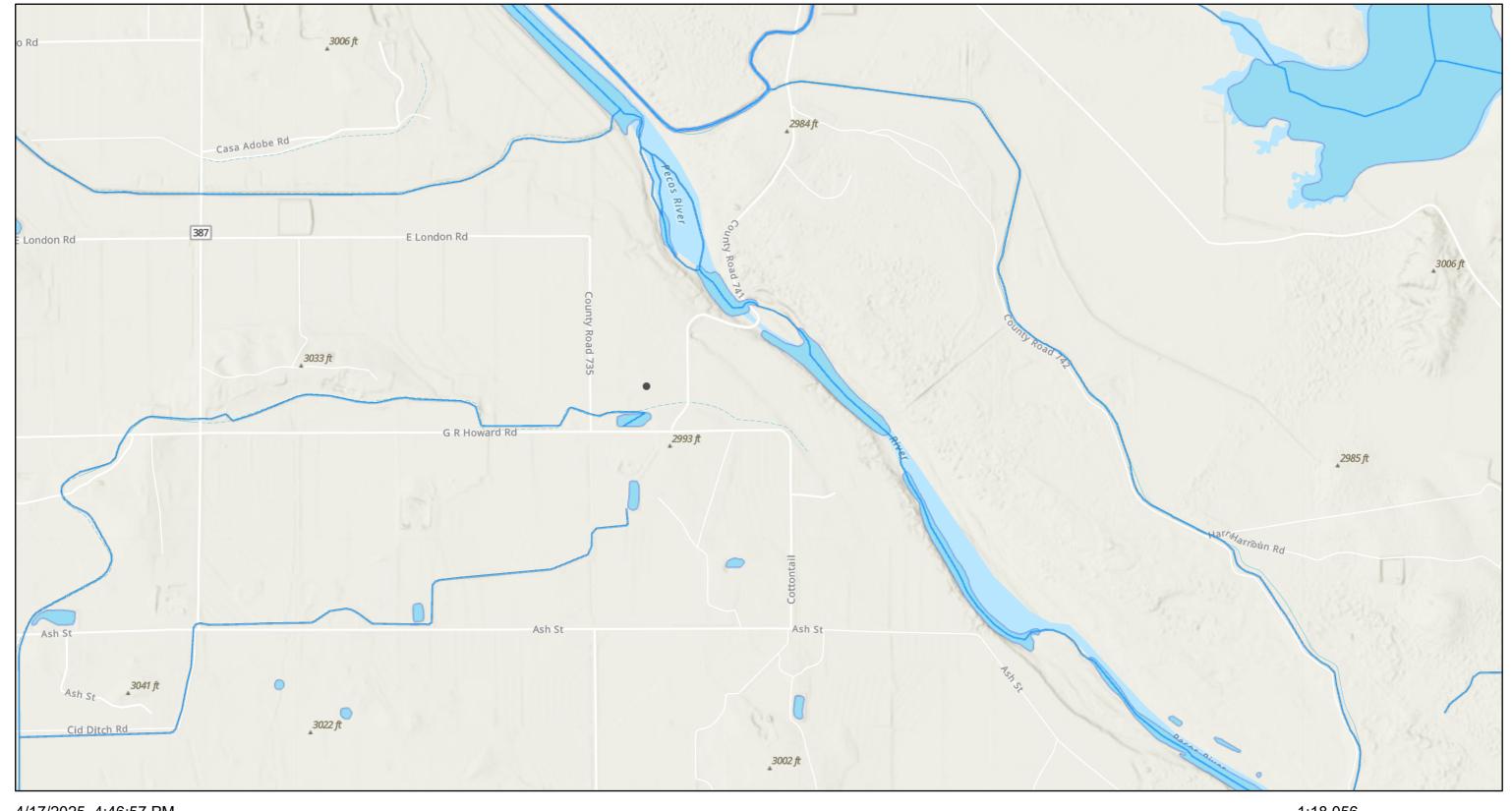
1% Annual Chance Flood Hazard

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 0.17 0.35 0.7 mi 0.3 0.6 1.2 km

> Esri, NASA, NGA, USGS, FEMA, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © Community, NM OSE

APPENDIX E

CARMONA RESOURCES

Environment Testing

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

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

Eurofins Carlsbad is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

Client: Carmona Resources Project/Site: South Culebra Bluff Unit #006 Laboratory Job ID: 890-8042-1 SDG: Eddy Co New Mexico

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QC Association Summary	35
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Certification Summary	49
Method Summary	50
Sample Summary	51
Chain of Custody	52
Receipt Checklists	55

3

4

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8

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14

Definitions/Glossary

Client: Carmona Resources Job ID: 890-8042-1 SDG: Eddy Co New Mexico Project/Site: South Culebra Bluff Unit #006

Qualifiers

GC VOA

Qualifier **Qualifier Description**

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 Practical Quantitation Limit **PQL**

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RLReporting 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 Job ID: 890-8042-1
Project: South Culebra Bluff Unit #006

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

Case Narrative

Client: Carmona Resources Job ID: 890-8042-1

Project: South Culebra Bluff Unit #006

Job ID: 890-8042-1 (Continued)

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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.

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Client: Carmona Resources

Job ID: 890-8042-1 Project/Site: South Culebra Bluff Unit #006 SDG: Eddy Co New Mexico

Lab Sample ID: 890-8042-1

Client Sample ID: S-1 (0-1.0) Date Collected: 04/29/25 00:00 Date Received: 04/29/25 14:22

Matrix: Solid

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 - T	otal BTEX Cald	culation							
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 - Diese	l Range Organ	ics (DRO) (GC)						
Method: SW846 8015 NM - Diese Analyte		ics (DRO) (Qualifier	GC)	MDL	Unit	D	Prepared	Analyzed	Dil Fac
		Qualifier	•	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 05/01/25 17:47	Dil Fac
Analyte		Qualifier U		MDL		<u>D</u>	Prepared		
Analyte Total TPH	Result <50.0	Qualifier U				<u>D</u>	Prepared Prepared		1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	Result <50.0	Qualifier Unics (DRO) Qualifier	RL 50.0		mg/Kg			05/01/25 17:47	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte	Result <50.0 sel Range Orga Result	Qualifier U nics (DRO) Qualifier U	RL 50.0		mg/Kg		Prepared	05/01/25 17:47 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10	Result <50.0 sel Range Orga Result <50.0	Qualifier U nics (DRO) Qualifier U	RL		mg/Kg Unit mg/Kg		Prepared 04/29/25 15:11	05/01/25 17:47 Analyzed 05/01/25 17:47	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.0 sel Range Orga Result <50.0	Qualifier U nics (DRO) Qualifier U	RL		mg/Kg Unit mg/Kg		Prepared 04/29/25 15:11	05/01/25 17:47 Analyzed 05/01/25 17:47	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0 sel Range Orga Result <50.0	Qualifier U nics (DRO) Qualifier U U	RL 50.0 (GC) RL 50.0 50.0		mg/Kg Unit mg/Kg mg/Kg		Prepared 04/29/25 15:11 04/29/25 15:11	05/01/25 17:47 Analyzed 05/01/25 17:47 05/01/25 17:47	
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	Result <50.0	Qualifier U nics (DRO) Qualifier U U	RL 50.0 (GC) RL 50.0 50.0 50.0		mg/Kg Unit mg/Kg mg/Kg		Prepared 04/29/25 15:11 04/29/25 15:11	05/01/25 17:47 Analyzed 05/01/25 17:47 05/01/25 17:47 05/01/25 17:47	1 Dil Fac

Client Sample ID: S-1 (1.5) Lab Sample ID: 890-8042-2 Date Collected: 04/29/25 00:00 **Matrix: Solid**

RL

10.1

MDL Unit

mg/Kg

D

Prepared

Analyzed

04/30/25 19:17

Dil Fac

Result Qualifier

597

Date Received: 04/29/25 14:22

Analyte

Chloride

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

Client: Carmona Resources

Project/Site: South Culebra Bluff Unit #006

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

Lab Sample ID: 890-8042-2

Client Sample ID: S-1 (1.5)

Date Collected: 04/29/25 00:00 Date Received: 04/29/25 14:22

Matrix: Solid

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 - Diese	l Range Organ	ics (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 - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	• •	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		04/29/25 15:11	05/01/25 18:08	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		04/29/25 15:11	05/01/25 18:08	1
C10-C28)									
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	Chromatogran	hy - Solubl	e						
Analyte		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

Date Received: 04/29/25 14:22

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
								05/04/05 00 00	_
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte		culation Qualifier	70 ₋ 130 RL	MDL	Unit	D	04/30/25 11:04 Prepared	05/01/25 00:00 Analyzed	
		culation	70 - 130				04/30/25 11:04	05/01/25 00:00	1
Method: TAL SOP Total BTEX	(- Total BTEX Cald	Qualifier		MDL	Unit mg/Kg	<u>D</u>			Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX	C - Total BTEX Calc Result <0.00402	Qualifier U	RL 0.00402	MDL		<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte	4 - Total BTEX Calc Result <0.00402 esel Range Organ	Qualifier U	RL 0.00402			<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	4 - Total BTEX Calc Result <0.00402 esel Range Organ	Qualifier U ics (DRO) (Qualifier	RL 0.00402		mg/Kg		Prepared	Analyzed 05/01/25 00:00	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Did Analyte	4 - Total BTEX Calc Result <0.00402 esel Range Organ Result <49.7	Qualifier U ics (DRO) (Qualifier U	RL 0.00402 — GC) RL 49.7		mg/Kg		Prepared	Analyzed 05/01/25 00:00 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Did Analyte Total TPH	C - Total BTEX Calc Result <0.00402 esel Range Organ Result <49.7 Diesel Range Orga	Qualifier U ics (DRO) (Qualifier U	RL 0.00402 — GC) RL 49.7	MDL	mg/Kg		Prepared	Analyzed 05/01/25 00:00 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Did Analyte Total TPH Method: SW846 8015B NM - E	C - Total BTEX Calc Result <0.00402 esel Range Organ Result <49.7 Diesel Range Orga	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	RL 0.00402 GC) RL 49.7	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 05/01/25 00:00 Analyzed 05/01/25 18:28	Dil Fac

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Matrix: Solid

Client: Carmona Resources

Project/Site: South Culebra Bluff Unit #006

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

Lab Sample ID: 890-8042-3

Client Sample ID: S-1 (2.0)

Date Collected: 04/29/25 00:00 Date Received: 04/29/25 14:22

Matrix: Solid

Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC) (Continu	ed)					
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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Chloride 255 9.98 04/30/25 19:29 mg/Kg

Client Sample ID: S-1(3.0)

Date Collected: 04/29/25 00:00 Date Received: 04/29/25 14:22 Lab Sample ID: 890-8042-4

Matrix: Solid

Method: SW846 8021B - Volati	le Organic Comp	ounds (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 - Tot	tal BTEX Cald	culation							
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	Organ	ics (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
-									

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		04/29/25 15:11	05/01/25 18:49	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		04/29/25 15:11	05/01/25 18:49	1
C10-C28)									
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-Terphenvl	75		70 - 130				04/29/25 15:11	05/01/25 18:49	1

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	544		10.0		mg/Kg			04/30/25 19:35	1

Client: Carmona Resources

Job ID: 890-8042-1 Project/Site: South Culebra Bluff Unit #006 SDG: Eddy Co New Mexico

Lab Sample ID: 890-8042-5

Client Sample ID: S-1 (4.0) Date Collected: 04/29/25 00:00

Date Received: 04/29/25 14:22

Matrix: Solid

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 - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	П	0.00398		mg/Kg			05/01/25 00:41	1
	0.0000	O	0.00390		mg/rtg			00/01/20 00.41	
. -					mg/rtg			00/01/20 00:41	,
: Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)	MDI		В	Dropored		
Method: SW846 8015 NM - Diese Analyte	el Range Organ Result	ics (DRO) (GC)	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
: Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)	MDL		<u>D</u>	Prepared		Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH	Result <49.8	ics (DRO) (Gualifier	GC) RL 49.8	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte	el Range Organ Result <49.8 sel Range Organ	ics (DRO) (Gualifier	GC) RL 49.8		Unit	<u>D</u>	Prepared Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies	el Range Organ Result <49.8 sel Range Organ	Qualifier Unics (DRO) Qualifier	GC) RL 49.8		Unit mg/Kg			Analyzed 05/01/25 19:09	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10	el Range Organ Result Result Result Result 49.8 Result 49.8	ics (DRO) (Qualifier U unics (DRO) Qualifier U	GC) RL 49.8 (GC) RL 49.8		Unit mg/Kg Unit mg/Kg		Prepared 04/29/25 15:11	Analyzed 05/01/25 19:09 Analyzed 05/01/25 19:09	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	el Range Organ Result 49.8 sel Range Orga Result	ics (DRO) (Qualifier U unics (DRO) Qualifier U	GC) RL 49.8 (GC) RL		Unit mg/Kg		Prepared	Analyzed 05/01/25 19:09 Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	el Range Organ Result 49.8 sel Range Orga Result 49.8 49.8	ics (DRO) (Control of the Control of	GC) RL 49.8 (GC) RL 49.8 49.8		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 04/29/25 15:11 04/29/25 15:11	Analyzed 05/01/25 19:09 Analyzed 05/01/25 19:09 05/01/25 19:09	Dil Face
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	el Range Organ Result Result Result Result 49.8 Result 49.8	ics (DRO) (Control of the Control of	GC) RL 49.8 (GC) RL 49.8		Unit mg/Kg Unit mg/Kg		Prepared 04/29/25 15:11	Analyzed 05/01/25 19:09 Analyzed 05/01/25 19:09	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	el Range Organ Result 49.8 sel Range Orga Result 49.8 49.8	ics (DRO) (Control of the Control of	GC) RL 49.8 (GC) RL 49.8 49.8		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 04/29/25 15:11 04/29/25 15:11	Analyzed 05/01/25 19:09 Analyzed 05/01/25 19:09 05/01/25 19:09 05/01/25 19:09 Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	el Range Organ Result <49.8 sel Range Orga Result <49.8 <49.8 <49.8	ics (DRO) (Control of the Control of	GC) RL 49.8 (GC) RL 49.8 49.8 49.8		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 04/29/25 15:11 04/29/25 15:11	Analyzed 05/01/25 19:09 Analyzed 05/01/25 19:09 05/01/25 19:09 05/01/25 19:09	Dil Fac Dil Fac 1 Dil Fac 1 1 Dil Fac 1

Client Sample ID: S-1 (4.5) Lab Sample ID: 890-8042-6

RL

9.96

MDL Unit

mg/Kg

D

Prepared

Analyzed

04/30/25 19:41

Dil Fac

Date Collected: 04/29/25 00:00 **Matrix: Solid**

Date Received: 04/29/25 14:22

Analyte

Chloride

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

242

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

Client: Carmona Resources

Client Sample ID: S-1 (4.5)

Date Collected: 04/29/25 00:00

Date Received: 04/29/25 14:22

Project/Site: South Culebra Bluff Unit #006

185

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

Lab Sample ID: 890-8042-6

04/30/25 18:09

Matrix: Solid

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 - Diese	I Range Organ	ics (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 - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.1	U	50.1		mg/Kg		04/29/25 15:11	05/01/25 19:30	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.1	U	50.1		mg/Kg		04/29/25 15:11	05/01/25 19:30	1
C10-C28)									
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	Chromatogran	hy - Solubl	A						
Analyte	• •	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: S-2 (0-1.0) Lab Sample ID: 890-8042-7 **Matrix: Solid**

10.0

mg/Kg

Date Collected: 04/29/25 00:00

Chloride

Date Received: 04/29/25 14:22

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) Method: TAL SOP Total BTEX Analyte		culation Qualifier	70 ₋ 130 RL	MDL	Unit	D	04/30/25 11:04 Prepared	05/01/25 01:22 Analyzed	
		culation	70 - 130				04/30/25 11:04	05/01/25 01:22	1
Method: TAL SOP Total BTEX	(- Total BTEX Cald	Qualifier		MDL	Unit mg/Kg	<u>D</u>			Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX	K - Total BTEX Calc Result <0.00404	Qualifier U	RL 0.00404	MDL		<u> </u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte	4 - Total BTEX Calc Result <0.00404 esel Range Organ	Qualifier U	RL 0.00404			<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	4 - Total BTEX Calc Result <0.00404 esel Range Organ	Qualifier U ics (DRO) (Qualifier	RL		mg/Kg		Prepared	Analyzed 05/01/25 01:22	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Did Analyte	C - Total BTEX Calc Result <0.00404 esel Range Organ Result <50.5	Qualifier U ics (DRO) (Qualifier U	RL 0.00404 ———————————————————————————————		mg/Kg		Prepared	Analyzed 05/01/25 01:22 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Did Analyte Total TPH	C - Total BTEX Calc Result <0.00404 esel Range Organ Result <50.5	Qualifier U ics (DRO) (Qualifier U	RL 0.00404 ———————————————————————————————	MDL	mg/Kg		Prepared	Analyzed 05/01/25 01:22 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Did Analyte Total TPH Method: SW846 8015B NM - E	C - Total BTEX Calc Result <0.00404 esel Range Organ Result <50.5	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	RL 0.00404 GC) RL 50.5	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 05/01/25 01:22 Analyzed 05/01/25 19:50	Dil Fac

Client: Carmona Resources

Job ID: 890-8042-1 SDG: Eddy Co New Mexico Project/Site: South Culebra Bluff Unit #006

Lab Sample ID: 890-8042-7

Client Sample ID: S-2 (0-1.0) Date Collected: 04/29/25 00:00

Date Received: 04/29/25 14:22

Matrix: Solid

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 454 9.98 04/30/25 18:31 Chloride mg/Kg

Client Sample ID: S-2 (1.5)

Date Collected: 04/29/25 00:00

Lab Sample ID: 890-8042-8

Matrix: Solid

Date Received: 04/29/25 14:22

	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00199	U	0.00199		mg/Kg		04/30/25 11:04	05/01/25 01:42	-
Toluene	< 0.00199	U	0.00199		mg/Kg		04/30/25 11:04	05/01/25 01:42	
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		04/30/25 11:04	05/01/25 01:42	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/30/25 11:04	05/01/25 01:42	
o-Xylene	< 0.00199	U	0.00199		mg/Kg		04/30/25 11:04	05/01/25 01:42	•
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/30/25 11:04	05/01/25 01:42	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	92		70 - 130				04/30/25 11:04	05/01/25 01:42	
1,4-Difluorobenzene (Surr)	94		70 - 130				04/30/25 11:04	05/01/25 01:42	:
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
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
	•	. , ,	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Total TPH		Qualifier	•	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 05/01/25 12:17	
	<49.9	Qualifier U	RL 49.9	MDL		<u>D</u>	Prepared		
Total TPH	<49.9	Qualifier U	RL 49.9			<u>D</u>	Prepared Prepared		1
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	<49.9	Qualifier Unics (DRO) Qualifier	RL 49.9 (GC)		mg/Kg		· · ·	05/01/25 12:17	Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<49.9 sel Range Orga Result	Qualifier U nics (DRO) Qualifier U	RL 49.9 (GC)		mg/Kg		Prepared	05/01/25 12:17 Analyzed	Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<49.9 sel Range Orga Result <49.9	Qualifier U nics (DRO) Qualifier U U F1	RL 49.9		mg/Kg Unit mg/Kg		Prepared 04/30/25 08:25	05/01/25 12:17 Analyzed 05/01/25 12:17	Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	<49.9 sel Range Orga Result <49.9 <49.9	Qualifier U nics (DRO) Qualifier U U F1	RL 49.9 (GC) RL 49.9 49.9		mg/Kg Unit mg/Kg mg/Kg		Prepared 04/30/25 08:25 04/30/25 08:25	05/01/25 12:17 Analyzed 05/01/25 12:17 05/01/25 12:17	Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	<49.9 sel Range Orga Result <49.9 <49.9	Qualifier U nics (DRO) Qualifier U U F1	RL 49.9 (GC) RL 49.9 49.9 49.9		mg/Kg Unit mg/Kg mg/Kg		Prepared 04/30/25 08:25 04/30/25 08:25	05/01/25 12:17 Analyzed 05/01/25 12:17 05/01/25 12:17	Dil Fac
Total TPH Method: SW846 8015B NM - Die	sel Range Orga Result <49.9 <49.9 <49.9 %Recovery	Qualifier U nics (DRO) Qualifier U U F1	RL 49.9 (GC) RL 49.9 49.9 49.9 Limits		mg/Kg Unit mg/Kg mg/Kg		Prepared 04/30/25 08:25 04/30/25 08:25 04/30/25 08:25 Prepared	05/01/25 12:17 Analyzed 05/01/25 12:17 05/01/25 12:17 05/01/25 12:17 Analyzed	Dil Fac
Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	\$\text{sel Range Orga}\$ \text{Result} \[<49.9 \] <49.9 \[<49.9 \] <49.9 \[\text{*Recovery} \] 99 96	Qualifier U nics (DRO) Qualifier U U F1 U Qualifier	RL 49.9 (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130		mg/Kg Unit mg/Kg mg/Kg		Prepared 04/30/25 08:25 04/30/25 08:25 04/30/25 08:25 Prepared 04/30/25 08:25	05/01/25 12:17 Analyzed 05/01/25 12:17 05/01/25 12:17 05/01/25 12:17 Analyzed 05/01/25 12:17	Dil Fac

Eurofins Carlsbad

04/30/25 18:38

9.90

mg/Kg

497

Chloride

Client: Carmona Resources

Client Sample ID: S-2 (2.0) Date Collected: 04/29/25 00:00

Date Received: 04/29/25 14:22

Project/Site: South Culebra Bluff Unit #006

Lab Sample ID: 890-8042-9

Matrix: Solid

Job ID: 890-8042-1

SDG: Eddy Co New Mexico

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

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Total BTEX <0.00399 0.00399 mg/Kg 05/01/25 02:03

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 05/01/25 13:19 mg/Kg

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Gasoline Range Organics <49.8 U 49.8 04/30/25 08:25 05/01/25 13:19 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <49.8 U 49.8 mg/Kg 04/30/25 08:25 05/01/25 13:19 C10-C28) Oil Range Organics (Over C28-C36) <49.8 U 49.8 mg/Kg 04/30/25 08:25 05/01/25 13:19 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 98 70 - 130 04/30/25 08:25 05/01/25 13:19 96 70 - 130 04/30/25 08:25 05/01/25 13:19

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac 04/30/25 18:45 Chloride 197 10.1 mg/Kg

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

o-Terphenyl

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

Client: Carmona Resources

Client Sample ID: S-2 (3.0)

Date Collected: 04/29/25 00:00

Date Received: 04/29/25 14:22

Project/Site: South Culebra Bluff Unit #006

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

Lab Sample ID: 890-8042-10

Matrix: Solid

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

ı			
ı	Method: SW846 8015E	MM Diocal Bango	Organice (DBO) (CC)
ı	IVIELLIOU. SVVO46 OU ISE	INIVI - DIESEI RAIIUE	Organics (DRO) (GC)

١	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Gasoline Range Organics	<50.0	U	50.0		mg/Kg		04/30/25 08:25	05/01/25 13:39	1
	(GRO)-C6-C10									
	Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		04/30/25 08:25	05/01/25 13:39	1
	C10-C28)									
	Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/30/25 08:25	05/01/25 13:39	1
١	Surrogate	%Recovery	Qualifier	l imits				Prenared	Analyzed	Dil Fac

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	Valatila Organia	Compounds (CC)
I MELLIOU: SYVOAD OUZ ID:	• voiaine Croanic	Compounds we

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

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

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	ma/Ka			05/01/25 14:00	1

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

Released to Imaging: 9/4/2025 2:24:41 PM

		(=1.10) (,					
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		04/30/25 08:25	05/01/25 14:00	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		04/30/25 08:25	05/01/25 14:00	1
C10-C28)								

Eurofins Carlsbad

Method: TAL SOP Total BTEX - Total BTEX Calculation

Job ID: 890-8042-1

Client: Carmona Resources Project/Site: South Culebra Bluff Unit #006 SDG: Eddy Co New Mexico

Lab Sample ID: 890-8042-11

Client Sample ID: S-2 (4.0) Date Collected: 04/29/25 00:00

Matrix: Solid

Date Received: 04/29/25 14:22

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 04/30/25 19:14 mg/Kg

Client Sample ID: S-2 (4.5) Date Collected: 04/29/25 00:00

Lab Sample ID: 890-8042-12

Matrix: Solid

Date Received: 04/29/25 14:22

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00199	U	0.00199		mg/Kg		04/30/25 11:04	05/01/25 04:07	
Toluene	<0.00199	U	0.00199		mg/Kg		04/30/25 11:04	05/01/25 04:07	
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/30/25 11:04	05/01/25 04:07	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/30/25 11:04	05/01/25 04:07	
o-Xylene	< 0.00199	U	0.00199		mg/Kg		04/30/25 11:04	05/01/25 04:07	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/30/25 11:04	05/01/25 04:07	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	91		70 - 130				04/30/25 11:04	05/01/25 04:07	
1,4-Difluorobenzene (Surr)	94		70 - 130				04/30/25 11:04	05/01/25 04:07	
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/01/25 04:07	
Analyte Total TPH	<50.3	Qualifier U		MDL	mg/Kg	<u>D</u>	Prepared	Analyzed 05/01/25 14:21	Dil Fa
Method: SW846 8015B NM - Dies	col Pango Orga	nice (DPO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<50.3		50.3		mg/Kg	=	04/30/25 08:25	05/01/25 14:21	
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		04/30/25 08:25	05/01/25 14:21	
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		04/30/25 08:25	05/01/25 14:21	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	92		70 - 130				04/30/25 08:25	05/01/25 14:21	
o-Terphenyl	90		70 - 130				04/30/25 08:25	05/01/25 14:21	
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	е						
Method: EPA 300.0 - Anions, Ion Analyte	• .	ohy - Solubl Qualifier	e RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa

Client: Carmona Resources

Project/Site: South Culebra Bluff Unit #006

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

Date Collected: 04/29/25 00:00

Date Received: 04/29/25 14:22

Lab Sample ID: 890-8042-13

Matrix: Solid

Job ID: 890-8042-1

SDG: Eddy Co New Mexico

-5

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 Cald	culation							
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 - Diese			•	MDI	l lmi4		Drawarad	Amalumad	Dil Faa
- -		ics (DRO) (GC)	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese		Qualifier	•	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 05/01/25 14:41	Dil Fac
Method: SW846 8015 NM - Diese Analyte	Result <49.9	Qualifier U	RL 49.9	MDL		<u>D</u>	Prepared		
Method: SW846 8015 NM - Diese Analyte Total TPH	Result <49.9 sel Range Orga Result	Qualifier Unics (DRO) Qualifier	RL 49.9			<u>D</u>	Prepared Prepared		1
Method: SW846 8015 NM - Dieso Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics	Result <49.9	Qualifier Unics (DRO) Qualifier	RL 49.9 (GC)		mg/Kg			05/01/25 14:41	1 Dil Fac
Method: SW846 8015 NM - Dieso Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10	Result <49.9 Result <49.9 Result <49.9	Qualifier U nics (DRO) Qualifier U	(GC) RL 49.9		mg/Kg Unit mg/Kg		Prepared 04/30/25 08:25	05/01/25 14:41 Analyzed 05/01/25 14:41	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.9 sel Range Orga Result	Qualifier U nics (DRO) Qualifier U	(GC)		mg/Kg		Prepared	05/01/25 14:41 Analyzed	1 Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10	Result <49.9 Result <49.9 Result <49.9	Qualifier U nics (DRO) Qualifier U	(GC) RL 49.9		mg/Kg Unit mg/Kg		Prepared 04/30/25 08:25	05/01/25 14:41 Analyzed 05/01/25 14:41	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result	Qualifier U nics (DRO) Qualifier U U	RL 49.9 (GC) RL 49.9 49.9		mg/Kg Unit mg/Kg mg/Kg		Prepared 04/30/25 08:25 04/30/25 08:25	05/01/25 14:41 Analyzed 05/01/25 14:41 05/01/25 14:41	1 Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	Result	Qualifier U nics (DRO) Qualifier U U	RL 49.9 (GC) RL 49.9 49.9 49.9		mg/Kg Unit mg/Kg mg/Kg		Prepared 04/30/25 08:25 04/30/25 08:25 04/30/25 08:25	05/01/25 14:41 Analyzed 05/01/25 14:41 05/01/25 14:41 05/01/25 14:41	1 Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	Result	Qualifier U nics (DRO) Qualifier U U	RL 49.9 (GC) RL 49.9 49.9 49.9 Limits		mg/Kg Unit mg/Kg mg/Kg		Prepared 04/30/25 08:25 04/30/25 08:25 04/30/25 08:25 Prepared	05/01/25 14:41 Analyzed 05/01/25 14:41 05/01/25 14:41 05/01/25 14:41 Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result	Qualifier U nics (DRO) Qualifier U U Qualifier	RL 49.9 (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130		mg/Kg Unit mg/Kg mg/Kg		Prepared 04/30/25 08:25 04/30/25 08:25 04/30/25 08:25 Prepared 04/30/25 08:25	05/01/25 14:41 Analyzed 05/01/25 14:41 05/01/25 14:41 Analyzed 05/01/25 14:41	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U nics (DRO) Qualifier U U Qualifier	RL 49.9 (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	MDL	mg/Kg Unit mg/Kg mg/Kg		Prepared 04/30/25 08:25 04/30/25 08:25 04/30/25 08:25 Prepared 04/30/25 08:25	05/01/25 14:41 Analyzed 05/01/25 14:41 05/01/25 14:41 Analyzed 05/01/25 14:41	1 Dil Fac

Client Sample ID: S-3 (1.5) Lab Sample ID: 890-8042-14

Date Collected: 04/29/25 00:00 Date Received: 04/29/25 14:22

Matrix: Solid

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

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)

Date Collected: 04/29/25 00:00 Date Received: 04/29/25 14:22 Lab Sample ID: 890-8042-14

Matrix: Solid

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 - Diese	I Range Organ	ics (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 - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		04/30/25 08:25	05/01/25 15:02	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		04/30/25 08:25	05/01/25 15:02	1
C10-C28)									
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	Chromatogran	hy - Solubl	e						
Analyte	• •	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 **Matrix: Solid**

Date Collected: 04/29/25 00:00

Date Received: 04/29/25 14:22

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	
Toluene	<0.00202	U	0.00202		mg/Kg		04/30/25 11:04	05/01/25 05:08	•
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	
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/30/25 11:04	05/01/25 05:08	,
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
			70 - 130				04/30/25 11:04	05/01/25 05:08	
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte		culation Qualifier	70 - 130 RL	MDL	Unit	D	Prepared	Analyzed	
Method: TAL SOP Total BTEX	- Total BTEX Cald								
Method: TAL SOP Total BTEX	- Total BTEX Cald	Qualifier		MDL	Unit mg/Kg	<u>D</u>			Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Calc Result <0.00404	Qualifier U	RL 0.00404	MDL		<u>D</u>		Analyzed	·
Method: TAL SOP Total BTEX Analyte	- Total BTEX Calc Result <0.00404 esel Range Organ	Qualifier U	RL 0.00404	MDL	mg/Kg	<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	- Total BTEX Calc Result <0.00404 esel Range Organ	Qualifier U ics (DRO) (Qualifier	RL 0.00404		mg/Kg		Prepared	Analyzed 05/01/25 05:08	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <0.00404 esel Range Organ Result <49.9	Qualifier U ics (DRO) (Qualifier U	RL 0.00404 GC) RL 49.9		mg/Kg		Prepared	Analyzed 05/01/25 05:08 Analyzed	
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Calc Result <0.00404 esel Range Organ Result <49.9	Qualifier U ics (DRO) (Qualifier U	RL 0.00404 GC) RL 49.9	MDL	mg/Kg		Prepared	Analyzed 05/01/25 05:08 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D	- Total BTEX Calc Result <0.00404 esel Range Organ Result <49.9	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	RL 0.00404 GC) RL 49.9	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 05/01/25 05:08 Analyzed 05/01/25 15:23	Dil Fac

Client: Carmona Resources

Project/Site: South Culebra Bluff Unit #006

Job ID: 890-8042-1

SDG: Eddy Co New Mexico

Lab Sample ID: 890-8042-15

Matrix: Solid

Client Sample ID: S-3 (2.0) Date Collected: 04/29/25 00:00

Date Received: 04/29/25 14:22

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) Date Collected: 04/29/25 00:00

Date Received: 04/29/25 14:22

Lab Sample ID: 890-8042-16

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier MDL Unit Prepared Analyzed Dil Fac Benzene <0.00201 U 0.00201 04/30/25 11:04 05/01/25 05:29 mg/Kg Toluene <0.00201 U 0.00201 04/30/25 11:04 05/01/25 05:29 mg/Kg Ethylbenzene <0.00201 U 0.00201 04/30/25 11:04 05/01/25 05:29 mg/Kg 05/01/25 05:29 m-Xylene & p-Xylene 0.00402 04/30/25 11:04 <0.00402 U mg/Kg o-Xylene <0.00201 U 0.00201 mg/Kg 04/30/25 11:04 05/01/25 05:29 04/30/25 11:04 Xylenes, Total <0.00402 U 0.00402 mg/Kg 05/01/25 05:29 %Recovery Qualifier Limits Dil Fac Surrogate Prepared Analyzed 4-Bromofluorobenzene (Surr) 90 70 - 130 04/30/25 11:04 05/01/25 05:29 1,4-Difluorobenzene (Surr) 92 70 - 130 04/30/25 11:04 05/01/25 05:29

	_									
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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		04/30/25 08:25	05/01/25 15:44	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		04/30/25 08:25	05/01/25 15:44	1
C10-C28)									
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 Un	nit	D	Prepared	Analyzed	Dil Fac
Chloride	182	F1	10.0	mg	g/Kg			04/30/25 19:49	1

Client: Carmona Resources

Client Sample ID: S-3 (4.0)

Project/Site: South Culebra Bluff Unit #006

Job ID: 890-8042-1

SDG: Eddy Co New Mexico

Lab Sample ID: 890-8042-17

Matrix: Solid

Prepared

Analyzed

04/30/25 20:11

Dil Fac

Matrix: Solid

Date Collected: 04/29/25 00:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00199	U	0.00199		mg/Kg		04/30/25 11:04	05/01/25 05:49	
Toluene	< 0.00199	U	0.00199		mg/Kg		04/30/25 11:04	05/01/25 05:49	
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		04/30/25 11:04	05/01/25 05:49	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/30/25 11:04	05/01/25 05:49	
o-Xylene	< 0.00199	U	0.00199		mg/Kg		04/30/25 11:04	05/01/25 05:49	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/30/25 11:04	05/01/25 05:49	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	88		70 - 130				04/30/25 11:04	05/01/25 05:49	
1,4-Difluorobenzene (Surr)	94		70 - 130				04/30/25 11:04	05/01/25 05:49	
: Method: TAL SOP Total BTEX - T									
Analyte	Result	Qualifier	RL	MDL		<u>D</u>	Prepared	Analyzed	
Analyte Total BTEX	Result < 0.00398	Qualifier U	0.00398	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 05/01/25 05:49	
Analyte Total BTEX Method: SW846 8015 NM - Diese	Result <0.00398	Qualifier U	0.00398 GC)		mg/Kg			05/01/25 05:49	
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte	Result <0.00398 Result Range Organ Result	Qualifier U ics (DRO) (C	0.00398 GC)	MDL	mg/Kg	<u>D</u>	Prepared Prepared	05/01/25 05:49 Analyzed	Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte	Result <0.00398	Qualifier U ics (DRO) (C	0.00398 GC)		mg/Kg			05/01/25 05:49	Dil Fac
Analyte	Result <0.00398 Range Organ Result <49.6	Qualifier U ics (DRO) (Qualifier U	0.00398 GC) RL 49.6		mg/Kg			05/01/25 05:49 Analyzed	Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese	Result <0.00398 Range Organ Result <49.6 Result Companies Compan	Qualifier U ics (DRO) (Qualifier U	0.00398 GC) RL 49.6		mg/Kg Unit mg/Kg			05/01/25 05:49 Analyzed	Dil Fa
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	Result <0.00398 Range Organ Result <49.6 Result Companies Compan	Qualifier U ics (DRO) (Cualifier U nics (DRO) Qualifier Qualifier	0.00398 GC) RL 49.6 (GC)	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared	05/01/25 05:49 Analyzed 05/01/25 16:04	Dil Fa
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH	Result <0.00398 Pl Range Organ Result <49.6 Seel Range Orga Result	Qualifier U ics (DRO) (Compared to the property of the proper	0.00398 GC) RL 49.6 (GC) RL	MDL	mg/Kg Unit mg/Kg Unit	<u>D</u>	Prepared Prepared	05/01/25 05:49 Analyzed 05/01/25 16:04 Analyzed	Dil Fac

Method: EPA 300.0 - Anions, Ion C Analyte	hromatography - Soluble Result Qualifier	e RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
o-Terphenyl	95	70 - 130			04/30/25 08:25	05/01/25 16:04	1
1-Chlorooctane	97	70 - 130			04/30/25 08:25	05/01/25 16:04	1

Limits

%Recovery Qualifier

229

Client Sample ID: S-3 (4.5) Lab Sample ID: 890-8042-18

9.94

mg/Kg

Date Collected: 04/29/25 00:00 Date Received: 04/29/25 14:22

Surrogate

Chloride

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

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)

Date Collected: 04/29/25 00:00 Date Received: 04/29/25 14:22 Lab Sample ID: 890-8042-18

Matrix: Solid

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 - Diese	Range Organ	ics (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 - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		04/30/25 08:25	05/01/25 16:46	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		04/30/25 08:25	05/01/25 16:46	1
C10-C28)									
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	Chromatogran	hy - Solubl	e						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	203		10.0		mg/Kg		· ·	04/30/25 20:18	

Client Sample ID: S-4 (0-1.0) Lab Sample ID: 890-8042-19 **Matrix: Solid**

Date Collected: 04/29/25 00:00

Date Received: 04/29/25 14:22

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	,
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	
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/30/25 11:04	05/01/25 06:30	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/30/25 11:04	05/01/25 06:30	,
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
			70 - 130				04/30/25 11:04	05/01/25 06:30	
4-Bromofluorobenzene (Surr)	89		10 - 130				0 17 0 07 20 11.0 1		
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX	91	culation Qualifier	70 - 130 70 - 130 RL	MDL	Unit	D	04/30/25 11:04	05/01/25 06:30	
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX	91		70 - 130	MDI	11-14		04/30/25 11:04	05/01/25 06:30	
1,4-Difluorobenzene (Surr)	91	Qualifier	70 - 130	MDL	Unit mg/Kg	<u>D</u>			Dil Fac
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte	(- Total BTEX Calc Result <0.00400 esel Range Organ	Qualifier U	70 - 130 RL 0.00400	MDL	mg/Kg	<u>D</u>	04/30/25 11:04	05/01/25 06:30 Analyzed	Dil Fac
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX	(- Total BTEX Calc Result <0.00400 esel Range Organ	Qualifier U	70 - 130 RL 0.00400	MDL		<u>D</u>	04/30/25 11:04	05/01/25 06:30 Analyzed	Dil Fac
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Di	(- Total BTEX Calc Result <0.00400 esel Range Organ	Qualifier U ics (DRO) (C	70 - 130 RL 0.00400		mg/Kg		04/30/25 11:04 Prepared	05/01/25 06:30 Analyzed 05/01/25 06:30	Dil Fac
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Di Analyte	(- Total BTEX Calc Result <0.00400 esel Range Organ Result <49.9	Qualifier U ics (DRO) (CQualifier U	70 - 130 RL 0.00400 GC) RL 49.9		mg/Kg		04/30/25 11:04 Prepared	Analyzed O5/01/25 06:30 Analyzed Analyzed	Dil Fac
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Di Analyte Total TPH	(- Total BTEX Calc Result <0.00400 esel Range Organ Result <49.9	Qualifier U ics (DRO) (CQualifier U	70 - 130 RL 0.00400 GC) RL 49.9	MDL	mg/Kg		04/30/25 11:04 Prepared	Analyzed O5/01/25 06:30 Analyzed Analyzed	Dil Fac
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Di Analyte Total TPH Method: SW846 8015B NM - I Analyte Gasoline Range Organics	(- Total BTEX Calc Result <0.00400 esel Range Organ Result <49.9	Qualifier U ics (DRO) (C Qualifier U mics (DRO) Qualifier	RL 0.00400 GC) RL 49.9	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 05/01/25 06:30 Analyzed 05/01/25 17:06	Dil Fac
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Di Analyte Total TPH Method: SW846 8015B NM - I Analyte	(- Total BTEX Calc Result <-0.00400 esel Range Organ Result <-49.9 Diesel Range Orga Result	Qualifier U ics (DRO) (C Qualifier U mics (DRO) Qualifier U	70 - 130 RL 0.00400 GC) RL 49.9 (GC) RL	MDL	mg/Kg Unit mg/Kg Unit	<u>D</u>	Prepared Prepared Prepared	Analyzed 05/01/25 06:30 Analyzed 05/01/25 17:06 Analyzed	Dil Fac

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

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 C	hromatography - Solul	ble					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	446	10.0	mg/K	Ig —		04/30/25 20:39	1

Client Sample ID: S-4 (1.5) Date Collected: 04/29/25 00:00

Lab Sample ID: 890-8042-20

Matrix: Solid

Date Received: 04/29/25 14:22

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 - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		04/30/25 08:25	05/01/25 17:27	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		04/30/25 08:25	05/01/25 17:27	1
C10-C28)									
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 C	hromatograp	hy - Soluble)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	785		10.0		mg/Kg			04/30/25 20:47	1

Eurofins Carlsbad

Client: Carmona Resources

Client Sample ID: S-4 (2.0)

Date Collected: 04/29/25 00:00

Date Received: 04/29/25 14:22

Project/Site: South Culebra Bluff Unit #006

SDG: Eddy Co New Mexico

Lab Sample ID: 890-8042-21

Matrix: Solid

Job ID: 890-8042-1

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	- IULAI DIEN CAIL	Julation							
		Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
	Result <0.00396		0.00396	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 05/01/25 13:18	Dil Fac
Total BTEX	<0.00396	U	0.00396	MDL		<u>D</u>	Prepared		Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	<0.00396 esel Range Organ	U	0.00396	MDL MDL		<u>D</u>	Prepared Prepared		Dil Fac Dil Fac
Total BTEX Method: SW846 8015 NM - Die	<0.00396 esel Range Organ	ics (DRO) (0.00396 GC)		mg/Kg	=		05/01/25 13:18	1
Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH	<0.00396 esel Range Organ Result <49.7	ics (DRO) (Qualifier	0.00396 GC) RL 49.7		mg/Kg	=		05/01/25 13:18 Analyzed	1
Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - Die	<0.00396 esel Range Organ Result <49.7 Diesel Range Orga	ics (DRO) (Qualifier	0.00396 GC) RL 49.7		mg/Kg	=		05/01/25 13:18 Analyzed	1
Total BTEX Method: SW846 8015 NM - Die Analyte	<0.00396 esel Range Organ Result <49.7 Diesel Range Orga	ics (DRO) (Qualifier U nics (DRO) Qualifier	0.00396 GC) RL 49.7	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared	05/01/25 13:18 Analyzed 05/01/25 17:47	Dil Fac

Diesel Range Organics (Over	<49.7	U	49.7	mg/Kg	04/30/25 08:25	05/01/25 17:47	1
C10-C28) 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 C	hromatograp	hy - Soluble	9						
Analyte	Result	Qualifier	RL	MDL	Unit)	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

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

Client: Carmona Resources

Project/Site: South Culebra Bluff Unit #006

Job ID: 890-8042-1

SDG: Eddy Co New Mexico

Lab Sample ID: 890-8042-22

Matrix: Solid

Client Sample ID: S-4 (3.0)

Date Collected: 04/29/25 00:00 Date Received: 04/29/25 14:22

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 - Diese	l Range Organ	ics (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 - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		04/30/25 08:25	05/01/25 18:08	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		04/30/25 08:25	05/01/25 18:08	1
C10-C28)									
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	Chromatogran	hv - Solubl	e						
Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	275		9.90		mg/Kg		· ·	04/30/25 21:01	

Client Sample ID: S-4 (4.0) Lab Sample ID: 890-8042-23 **Matrix: Solid**

Date Collected: 04/29/25 00:00 Date Received: 04/29/25 14:22

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 Cale	culation							
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
-		! (DDO) (00)						
Method: SW846 8015 NM - Die	esel Range Organ	ICS (DRU) (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 8015R NM - Diesel	Range Orga	nics (DRO)	(GC)						

Method: SW846 8015B NM - Diesel Rang	e Orga	nics (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

Client: Carmona Resources

Project/Site: South Culebra Bluff Unit #006

Job ID: 890-8042-1

SDG: Eddy Co New Mexico

Lab Sample ID: 890-8042-23

Matrix: Solid

Client Sample ID: S-4 (4.0) Date Collected: 04/29/25 00:00

Date Received: 04/29/25 14:22

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)

Date Collected: 04/29/25 00:00 Date Received: 04/29/25 14:22 Lab Sample ID: 890-8042-24

Matrix: Solid

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 Organ	ics (DRO) (GO	C)						
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 - Diese	•	. , , ,	•	MDI	Unit	n	Prepared	Analyzed	Dil Fac
Analyte	Result	Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
	•	Qualifier	•	MDL	Unit mg/Kg	<u>D</u>	Prepared 04/30/25 08:25	Analyzed 05/01/25 18:49	Dil Fac

C10-C28) Oil Range Organics (Over C28-C36)	<49.8	ш	49.8	mg/Kg	04/30/25 08:25	05/01/25 18:49	1
,				mg/kg			
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130		04/30/25 08:25	05/01/25 18:49	1
1-Chioroccane	103		70 - 130		04/30/23 00.23	03/01/23 16.49	,

49.8

mg/Kg

04/30/25 08:25

05/01/25 18:49

<49.8 U

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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Diesel Range Organics (Over

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

		BFB1	DFBZ1	Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	(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	
390-8042-4	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	
390-8042-12	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	

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

		1001	OTPH1
Lab Sample ID	Client Sample ID	(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

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

		1001	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(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+
		. 10 0 1 .	
urrogate Legend			

urrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Job ID: 890-8042-1 Client: Carmona Resources SDG: Eddy Co New Mexico Project/Site: South Culebra Bluff Unit #006

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

	MB	MB							
Analyte	Result	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	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/30/25 08:00	04/30/25 17:10	
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

MB MB

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	84		70 - 130
1 4-Difluorobenzene (Surr)	91		70 - 130

04/30/25 17:10

Analyzed

04/30/25 17:10

Prepared

04/30/25 08:00

04/30/25 08:00

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

Prep Batch: 109080

Matrix: Solid

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

Analysis Batch: 109033

мв мв

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 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

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepare	ed Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	04/30/25 1	1:04 04/30/25 22:57	7 1
1,4-Difluorobenzene (Surr)	93		70 - 130	04/30/25 1	1:04 04/30/25 22:57	7 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**

	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%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

LCS LCS

Surrogate	%Recovery 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 C	ontrol S	Sample Dup	ρ
	_		T-4-1/NI	

Prep Type: Total/NA

Prep Batch: 109080 RPD %Rec

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

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1

Dil Fac

QC Sample Results

Client: Carmona Resources Job ID: 890-8042-1 SDG: Eddy Co New Mexico Project/Site: South Culebra Bluff Unit #006

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

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	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

LCSD LCSD

Surrogate	%Recovery	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

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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	

MS MS

Surrogate	%Recovery	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**

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	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

MSD MSD

Surrogate	%Recovery 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

мв мв

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 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	Result	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

MR MR

		=			
Surrogate	%Recovery Qu	ualifier 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

Client Sample ID: Lab Control Sample

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

Matrix: Solid

Analysis Batch: 109139

Prep Type: Total/NA **Prep Batch: 109135**

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%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	

LCS LCS

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

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA **Prep Batch: 109135**

Analysis Batch: 109139

Matrix: Solid

o-Xylene

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

LCSD LCSD Spike %Rec RPD Analyte Added Result Qualifier Unit %Rec Limits RPD Limit 0.07664 Benzene 0.100 mg/Kg 77 70 - 130 4 35 Toluene 0.100 0.07569 mg/Kg 76 70 - 130 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 35 0.100 0.07694 70 - 130

mg/Kg

LCSD LCSD

Surrogate	%Recovery Qualified	r Limits
4-Bromofluorobenzene (Surr)	101	70 - 130
1.4-Difluorobenzene (Surr)	93	70 - 130

Lab Sample ID: 890-8052-A-6-C MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 109139

Prep Type: Total/NA

Prep Batch: 109135

Alialysis Datell. 103103									i ieh n	atcii. 103133
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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	

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

-	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	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

MB MB

%Recovery Qualifier Surrogate 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	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		04/29/25 15:11	05/01/25 08:38	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		04/29/25 15:11	05/01/25 08:38	1
C10-C28)									
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 1-Chlorooctane 142 S1+ 70 - 130 o-Terphenyl 137 S1+ 70 - 130

Prepared Analyzed Dil Fac 04/29/25 15:11 05/01/25 08:38 04/29/25 15:11 05/01/25 08:38

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

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

C10-C28)

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

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

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

Matrix: Solid

C10-C28)

Analysis Batch: 109154

QC Sample Results

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)

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 108994

Spike LCSD LCSD RPD RPD Limit Analyte Added Result Qualifier Unit %Rec Limits Gasoline Range Organics 1000 974.8 mg/Kg 97 70 - 130 8 20 (GRO)-C6-C10 1000 Diesel Range Organics (Over 1076 mg/Kg 108 70 - 130 8 20

LCSD LCSD %Recovery Qualifier Limits Surrogate 70 - 130 1-Chlorooctane 18 S1o-Terphenyl 13 S1-70 - 130

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 108994

Analysis Batch: 109154 Spike MS MS %Rec Sample Sample Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits <49.9 U F1 998 70 - 130 Gasoline Range Organics 541.1 F1 mg/Kg 54 (GRO)-C6-C10 Diesel Range Organics (Over <49.9 U F1 F2 998 258.8 F1 mg/Kg 26 70 - 130

C10-C28)

Matrix: Solid

MS MS %Recovery Qualifier Surrogate Limits 1-Chlorooctane 35 S1-70 - 130 o-Terphenyl 29 S1-70 - 130

Lab Sample ID: 880-57466-A-27-D MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid Analysis Batch: 109154 Prep Type: Total/NA **Prep Batch: 108994**

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	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 MSD %Recovery Qualifier Limits Surrogate 1-Chlorooctane 43 S1-70 - 130 70 - 130 o-Terphenyl 37 S1-

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 109026

	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		04/30/25 08:25	05/01/25 08:38	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		04/30/25 08:25	05/01/25 08:38	1
C10-C28)									
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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Lab Sample ID: MB 880-109026/1-A

Matrix: Solid

Analysis Batch: 109150

Client: Carmona Resources

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

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

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

Project/Site: South Culebra Bluff Unit #006

Matrix: Solid

Analysis Batch: 109150

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 109026

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	l 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

Client Sample ID: Lab Control Sample

Matrix: Solid Prep Type: Total/NA Analysis Batch: 109150 Prep Batch: 109026

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

LCS LCS

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

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 109026

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

C10-C28)

Matrix: Solid

Analysis Batch: 109150

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 Client Sample ID: S-2 (1.5)

Matrix: Solid

Analysis Batch: 109150

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	<49.9	U	996	1192		mg/Kg		120	70 - 130
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U F1	996	708.5	F1	mg/Kg		69	70 - 130
C10-C28)									

MS MS

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

QC Sample Results

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)

Lab Sample ID: 890-8042-8 MSD Client Sample ID: S-2 (1.5)

Matrix: Solid

Analysis Batch: 109150

Prep Type: Total/NA **Prep Batch: 109026**

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	<49.9	U	996	1188		mg/Kg		119	70 - 130	0	20
(GRO)-C6-C10											
Diesel Range Organics (Over	<49.9	U F1	996	723.4		mg/Kg		70	70 - 130	2	20
C10 C20)											

C10-C28)

	MSD	MSD	
Surrogate	%Recovery	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 Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 109083

мв мв

Analyte	Result	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 **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 109083

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

Lab Sample ID: LCSD 880-109074/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 109083

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	250	239.7		mg/Kg		96	90 - 110	8	20	

Lab Sample ID: 880-57467-A-5-C MS Client Sample ID: Matrix Spike **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 109083

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	257	F1	252	547.0	F1	ma/Ka		115	90 110	

Lab Sample ID: 880-57467-A-5-D MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 109083

Analysis Daten. 103003											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	257	F1	252	584.9	F1	mg/Kg		130	90 - 110	7	20

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Prep Type: Soluble

Prep Type: Soluble

Job ID: 890-8042-1

Client: Carmona Resources Project/Site: South Culebra Bluff Unit #006 SDG: Eddy Co New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-109078/1-A Client Sample ID: Method Blank Matrix: Solid **Prep Type: Soluble**

Analysis Batch: 109084

	MB	МВ							
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 **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 109084

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

Lab Sample ID: LCSD 880-109078/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble** Analysis Batch: 109084

		Spike	LCSD	LCSD				%Rec		KPD
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride		250	241.3		mg/Kg		97	90 - 110	1	20

Lab Sample ID: 890-8042-6 MS Client Sample ID: S-1 (4.5) Matrix: Solid **Prep Type: Soluble**

Analysis Batch: 109084

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

Lab Sample ID: 890-8042-6 MSD Client Sample ID: S-1 (4.5) **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 109084

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

Lab Sample ID: 890-8042-16 MS Client Sample ID: S-3 (3.0) **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 109084

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

Lab Sample ID: 890-8042-16 MSD Client Sample ID: S-3 (3.0) **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 109084

Analysis Baton: 100004											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	182	F1	251	402.8	F1	mg/Kg		88	90 - 110	1	20

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Released to Imaging: 9/4/2025 2:24:41 PM

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 Batcl
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	

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 Batc
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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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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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

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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	

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 Batcl
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	
390-8042-11	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	
390-8042-14	S-3 (1.5)	Soluble	Solid	DI Leach	
390-8042-15	S-3 (2.0)	Soluble	Solid	DI Leach	
390-8042-16	S-3 (3.0)	Soluble	Solid	DI Leach	
390-8042-17	S-3 (4.0)	Soluble	Solid	DI Leach	
390-8042-18	S-3 (4.5)	Soluble	Solid	DI Leach	
390-8042-19	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	
390-8042-22	S-4 (3.0)	Soluble	Solid	DI Leach	
390-8042-23	S-4 (4.0)	Soluble	Solid	DI Leach	
390-8042-24	S-4 (4.5)	Soluble	Solid	DI Leach	
MB 880-109078/1-A	Method Blank	Soluble	Solid	DI Leach	

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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 Batcl
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	10907
890-8042-18	S-3 (4.5)	Soluble	Solid	300.0	10907
890-8042-19	S-4 (0-1.0)	Soluble	Solid	300.0	10907
890-8042-20	S-4 (1.5)	Soluble	Solid	300.0	10907
890-8042-21	S-4 (2.0)	Soluble	Solid	300.0	10907
890-8042-22	S-4 (3.0)	Soluble	Solid	300.0	10907
890-8042-23	S-4 (4.0)	Soluble	Solid	300.0	10907
890-8042-24	S-4 (4.5)	Soluble	Solid	300.0	10907
MB 880-109078/1-A	Method Blank	Soluble	Solid	300.0	10907
LCS 880-109078/2-A	Lab Control Sample	Soluble	Solid	300.0	10907
LCSD 880-109078/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	10907
890-8042-6 MS	S-1 (4.5)	Soluble	Solid	300.0	10907
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	10907
890-8042-16 MSD	S-3 (3.0)	Soluble	Solid	300.0	109078

Client: Carmona Resources

Project/Site: South Culebra Bluff Unit #006

Job ID: 890-8042-1

SDG: Eddy Co New Mexico

Lab Sample ID: 890-8042-1

Matrix: Solid

Client Sample ID: S-1 (0-1.0) Date Collected: 04/29/25 00:00

Date Received: 04/29/25 14:22

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 MIC
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

Date Received: 04/29/25 14:22

Batch Dil Initial Final Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab 5035 Total/NA Prep 5.03 g 5 mL 109080 04/30/25 11:04 MNR EET MID Total/NA 8021B 5 mL 109033 04/30/25 23:39 **EET MID** Analysis 1 5 mL MNR Total/NA Total BTEX 109235 04/30/25 23:39 Analysis SM **EET MID** 1 Total/NA Analysis 8015 NM 109347 05/01/25 18:08 SM **EET MID** Total/NA 108994 04/29/25 15:11 FC Prep 8015NM Prep 10.03 g 10 mL EET MID Total/NA Analysis 8015B NM 1 uL 1 uL 109154 05/01/25 18:08 SM **EET MID** Soluble 5.03 g 04/30/25 10:50 Leach DI Leach 50 mL 109074 SI **EET MID** Soluble Analysis 300.0 109083 04/30/25 19:23 СН **EET MID**

Client Sample ID: S-1 (2.0) Date Collected: 04/29/25 00:00

Lab Sample ID: 890-8042-3 **Matrix: Solid**

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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

Lab Sample ID: 890-8042-4 Client Sample ID: S-1(3.0) Date Collected: 04/29/25 00:00 Matrix: Solid

Date Received: 04/29/25 14:22

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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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Client: Carmona Resources

Client Sample ID: S-1(3.0)

Date Collected: 04/29/25 00:00

Date Received: 04/29/25 14:22

Project/Site: South Culebra Bluff Unit #006

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

Lab Sample ID: 890-8042-4

Matrix: Solid

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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 Date Received: 04/29/25 14:22

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Date Received: 04/29/25 14:22

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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 Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	9.91 g 1 uL	10 mL 1 uL	108994 109154	04/29/25 15:11 05/01/25 19:50	FC SM	EET MID EET MID

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Matrix: Solid

Released to Imaging: 9/4/2025 2:24:41 PM

Client: Carmona Resources

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

Date Collected: 04/29/25 00:00

Date Received: 04/29/25 14:22

Project/Site: South Culebra Bluff Unit #006

SDG: Eddy Co New Mexico

Lab Sample ID: 890-8042-7

Matrix: Solid

Job ID: 890-8042-1

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 **Matrix: Solid**

Date Collected: 04/29/25 00:00

Date Received: 04/29/25 14:22

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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

Date Received: 04/29/25 14:22

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Date Received: 04/29/25 14:22

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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

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Matrix: Solid

Client: Carmona Resources

Client Sample ID: S-2 (4.0)

Date Collected: 04/29/25 00:00

Date Received: 04/29/25 14:22

Project/Site: South Culebra Bluff Unit #006

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

Lab Sample ID: 890-8042-11

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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

Date Received: 04/29/25 14:22

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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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Client: Carmona Resources

Project/Site: South Culebra Bluff Unit #006

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

Lab Sample ID: 890-8042-14

Matrix: Solid

Client Sample ID: S-3 (1.5) Date Collected: 04/29/25 00:00

Date Received: 04/29/25 14:22

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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

Lab Sample ID: 890-8042-15 Client Sample ID: S-3 (2.0) Date Collected: 04/29/25 00:00 **Matrix: Solid**

Date Received: 04/29/25 14:22

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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 Date Received: 04/29/25 14:22

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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

Lab Sample ID: 890-8042-17 Client Sample ID: S-3 (4.0)

Date Collected: 04/29/25 00:00 Date Received: 04/29/25 14:22

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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 Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.09 g 1 uL	10 mL 1 uL	109026 109150	04/30/25 08:25 05/01/25 16:04	EL SM	EET MID EET MID

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Matrix: Solid

Job ID: 890-8042-1

Lab Chronicle

Client: Carmona Resources

Project/Site: South Culebra Bluff Unit #006

SDG: Eddy Co New Mexico

Lab Sample ID: 890-8042-17

Client Sample ID: S-3 (4.0)

Date Collected: 04/29/25 00:00 Date Received: 04/29/25 14:22 Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Date Received: 04/29/25 14:22

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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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Released to Imaging: 9/4/2025 2:24:41 PM

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)

Date Collected: 04/29/25 00:00 Date Received: 04/29/25 14:22

Lab Sample ID: 890-8042-21

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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

Lab Sample ID: 890-8042-22

Client Sample ID: S-4 (3.0) Date Collected: 04/29/25 00:00

Date Received: 04/29/25 14:22

Matrix: Solid

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

Client Sample ID: S-4 (4.0)

Date Collected: 04/29/25 00:00 Date Received: 04/29/25 14:22

Lab Sample ID: 890-8042-23

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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)

Date Collected: 04/29/25 00:00 Date Received: 04/29/25 14:22

Lab Sample ID: 890-8042-24

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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

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Client: Carmona Resources Job ID: 890-8042-1 Project/Site: South Culebra Bluff Unit #006 SDG: Eddy Co New Mexico

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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

Accreditation/Certification Summary

Client: Carmona Resources

Job ID: 890-8042-1

Project/Site: South Culebra Bluff Unit #006

SDG: Eddy Co New Mexico

Laboratory: Eurofins Midland

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

Authority	Progra	am	Identification Number	Expiration Date
Texas	NELA	Р	T104704400	06-30-25
• ,	are included in this report, bu	ut the laboratory is not certif	fied by the governing authority. This lis	t may include analytes
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	Total TPH	
Total BTEX		Solid	Total BTEX	

Method Summary

Client: Carmona Resources

Method

Total BTEX 8015 NM

8015B NM

8015NM Prep

DI Leach

300.0

5035

8021B

Project/Site: South Culebra Bluff Unit #006

Method Description

Total BTEX Calculation

Volatile Organic Compounds (GC)

Diesel Range Organics (DRO) (GC)

Diesel Range Organics (DRO) (GC)

Deionized Water Leaching Procedure

Anions, Ion Chromatography

Closed System Purge and Trap

Job ID: 890-8042-1

SDG: Eddy Co New Mexico

EET MID

EET MID

Protocol	Laboratory
SW846	EET MID
TAL SOP	EET MID
SW846	EET MID
SW846	EET MID
EPA	EET MID
SW846	EET MID

SW846

ASTM

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

Microextraction

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
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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
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890-8042-22	S-4 (3.0)	Solid	04/29/25 00:00	04/29/25 14:22
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Chain of Custody

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Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-8042-1

SDG Number: Eddy Co New Mexico

List Source: Eurofins Carlsbad

Login Number: 8042 List Number: 1

Creator: Lopez, Abraham

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 Source: Eurofins Midland List Number: 2

List Creation: 04/30/25 08:04 AM

Creator: Laing, Edmundo

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	
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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	N/A	

<6mm (1/4").

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

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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

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

Eurofins Carlsbad is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

Client: Carmona Resources Project/Site: SOUTH CULEBRA BLUFF UNIT #006 Laboratory Job ID: 890-8043-1 SDG: Eddy Co New Mexico

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Definitions/Glossary

Job ID: 890-8043-1 Client: Carmona Resources Project/Site: SOUTH CULEBRA BLUFF UNIT #006

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. 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

CFU

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

CNF Contains No Free Liquid Duplicate Error Ratio (normalized absolute difference) DER

Colony Forming Unit

Dil Fac **Dilution Factor**

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) Limit of Quantitation (DoD/DOE) LOQ

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 MOI 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 **Practical Quantitation Limit PQL**

PRES Presumptive **Quality Control** QC

Relative Error Ratio (Radiochemistry) **RER**

Reporting Limit or Requested Limit (Radiochemistry) RL

RPD Relative Percent Difference, a measure of the relative difference between two points

Toxicity Equivalent Factor (Dioxin) TEF Toxicity Equivalent Quotient (Dioxin) **TEQ**

TNTC Too Numerous To Count

Case Narrative

Client: Carmona Resources Job ID: 890-8043-1

Project: SOUTH CULEBRA BLUFF UNIT #006

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.

Case Narrative

Client: Carmona Resources Job ID: 890-8043-1

Project: SOUTH CULEBRA BLUFF UNIT #006

Job ID: 890-8043-1 (Continued)

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

2

5

4

10

13

114

Client: Carmona Resources

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

Date Collected: 04/29/25 00:00

Date Received: 04/29/25 14:04

Project/Site: SOUTH CULEBRA BLUFF UNIT #006

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

Lab Sample ID: 890-8043-1

Matrix: Solid

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 - T	otal BTEX Cald	culation							
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 - Diese Analyte Total TPH		Qualifier	GC) RL 49.9	MDL		<u>D</u>	Prepared	Analyzed 05/01/25 19:09	Dil Fac
	<49.9	U	49.9		mg/Kg			05/01/25 19.09	
Method: SW846 8015B NM - Dies	sel Range Orga	nics (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	Chromatograp	hy - Solubl	e						
•		-							

Client Sample ID: H-2 (0-1.0) Lab Sample ID: 890-8043-2

292

10.0

mg/Kg

Date Collected: 04/29/25 00:00 Date Received: 04/29/25 14:04

Chloride

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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04/30/25 21:22

Client: Carmona Resources

Project/Site: SOUTH CULEBRA BLUFF UNIT #006

Job ID: 890-8043-1

SDG: Eddy Co New Mexico

Lab Sample ID: 890-8043-2

Matrix: Solid

Client Sample ID: H-2 (0-1.0) Date Collected: 04/29/25 00:00

Date Received: 04/29/25 14:04

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 - Diese	l Range Organ	ics (DRO) (GC)						
Analyte		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 - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		04/30/25 08:25	05/01/25 19:30	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		04/30/25 08:25	05/01/25 19:30	1
C10-C28)									
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	Chromatograp	hy - Solub	le						
Analyte		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 RLMDL Unit D Prepared Analyzed Dil Fac Benzene <0.00202 U 04/30/25 12:47 05/01/25 02:12 0.00202 mg/Kg 05/01/25 02:12 Toluene <0.00202 U 0.00202 04/30/25 12:47 mg/Kg <0.00202 U 0.00202 04/30/25 12:47 05/01/25 02:12 Ethylbenzene mg/Kg m-Xylene & p-Xylene <0.00404 U 0.00404 mg/Kg 04/30/25 12:47 05/01/25 02:12 o-Xylene 0.00297 0.00202 mg/Kg 04/30/25 12:47 05/01/25 02:12 Xylenes, Total <0.00404 U 0.00404 04/30/25 12:47 05/01/25 02:12 mg/Kg %Recovery Qualifier Limits Dil Fac Surrogate Prepared Analyzed 70 - 130 04/30/25 12:47 05/01/25 02:12 4-Bromofluorobenzene (Surr) 95 1,4-Difluorobenzene (Surr) 67 S1-70 - 130 04/30/25 12:47 05/01/25 02:12 **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	<u> </u>		05/01/25 02:12	1

ı	Method: SW846 8015 NM - Diesel R	ange Organi	ics (DRO) (G	C)					
	Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
l	Total TPH	<49.8	U	49.8	mg/Kg			05/01/25 19:50	1

Method: SW846 8015B NM - Die	sel Range Orga	nics (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

Client: Carmona Resources

Date Received: 04/29/25 14:04

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

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)	
method. Ovovo ob rob rim - bleser range organies (bree) (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 C	hromatograp	hy - 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)

Date Collected: 04/29/25 00:00 Date Received: 04/29/25 14:04 Lab Sample ID: 890-8043-4

Matrix: Solid

Method: SW846 8021B - Volati	ile Organic Comp	ounds (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 - To	tal BTEX Calculation							
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	0.00514	0.00402	ma/Ka			05/01/25 03:46	1	

Method: SW846 8015 NM - Diesel F	Range Organ	ics (DRO) (G	iC)						
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

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

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - 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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5/2/2025

Client: Carmona Resources

Client Sample ID: H-5 (0-1.0) Date Collected: 04/29/25 00:00 Date Received: 04/29/25 14:04

Project/Site: SOUTH CULEBRA BLUFF UNIT #006

Lab Sample ID: 890-8043-5

SDG: Eddy Co New Mexico

Job ID: 890-8043-1

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				Matrix:	So

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	al BTEX Cald	culation							
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 R	lange Organi	ics (DRO) (G	C)					
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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		04/30/25 08:28	05/01/25 19:26	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		04/30/25 08:28	05/01/25 19:26	1
C10-C28)									
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 Matrix: Solid Date Collected: 04/29/25 00:00

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

Eurofins Carlsbad

Date Received: 04/29/25 14:04

Client: Carmona Resources

Project/Site: SOUTH CULEBRA BLUFF UNIT #006

Job ID: 890-8043-1

SDG: Eddy Co New Mexico

Lab Sample ID: 890-8043-6

Matrix: Solid

C	lient	Samp	le ID	: H-6	6 (0-	1.0)
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Date Collected: 04/29/25 00:00

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 - Diese	I Range Organ	ics (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 - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		04/30/25 08:28	05/01/25 19:42	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		04/30/25 08:28	05/01/25 19:42	1
C10-C28)									
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	Chromatograp	hy - Solubl	e						
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)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-57498-A-1-B MS	Matrix Spike	108	97	
880-57498-A-1-C MSD	Matrix Spike Duplicate	108	91	
390-8043-1	H-1 (0-1.0)	100	83	
390-8043-2	H-2 (0-1.0)	95	72	
390-8043-3	H-3 (0-1.0)	95	67 S1-	
390-8043-4	H-4 (0-1.0)	119	69 S1-	
390-8043-5	H-5 (0-1.0)	79	76	
390-8043-6	H-6 (0-1.0)	107	87	
_CS 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				

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

				Percer
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(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+	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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

SDG: Eddy Co New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

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

Matrix: Solid

Matrix: Solid

Analysis Batch: 109031

Analysis Batch: 109031

Client Sample ID: Method Blank

Prep Type: Total/NA

Job ID: 890-8043-1

Prep Batch: 109038

	MB	MB							
Analyte	Result	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

MB MB

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	74		70 - 130

04/30/25 08:59 04/30/25 11:48 04/30/25 08:59 04/30/25 11:48

Analyzed

Prepared

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 109088

мв мв

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

					_			
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<0.00200	U	0.00200		mg/Kg		04/30/25 12:47	04/30/25 22:46	1
<0.00200	U	0.00200		mg/Kg		04/30/25 12:47	04/30/25 22:46	1
<0.00200	U	0.00200		mg/Kg		04/30/25 12:47	04/30/25 22:46	1
<0.00400	U	0.00400		mg/Kg		04/30/25 12:47	04/30/25 22:46	1
<0.00200	U	0.00200		mg/Kg		04/30/25 12:47	04/30/25 22:46	1
<0.00400	U	0.00400		mg/Kg		04/30/25 12:47	04/30/25 22:46	1
	<0.00200 <0.00200 <0.00200 <0.00400 <0.00200	Result Qualifier <0.00200 U <0.00200 U <0.00200 U <0.00400 U <0.00200 U <0.00400 U <0.00400 U	<0.00200	<0.00200 U 0.00200 <0.00200 U 0.00200 <0.00200 U 0.00200 <0.00400 U 0.00400 <0.00200 U 0.00200	<0.00200	<0.00200	<0.00200	<0.00200

MB MB

Surrogate	%Recovery	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**

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%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	

LCS LCS

Surrogate	%Recovery 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

Clie	ent Sam	ple ID:	Lab	Contr	ol S	Samp	le Dup)
				_	_	_		

Prep Type: Total/NA

Prep Batch: 109088

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

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Dil Fac

Client: Carmona Resources Job ID: 890-8043-1 Project/Site: SOUTH CULEBRA BLUFF UNIT #006 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**

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	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

LCSD LCSD

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

Lab Sample ID: 880-57498-A-1-B MS Client Sample ID: Matrix Spike

Analysis Batch: 109031

Matrix: Solid Prep Type: Total/NA

Prep Batch: 109088

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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	

MS MS

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

Lab Sample ID: 880-57498-A-1-C MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 109031

Prep Type: Total/NA

Prep Batch: 109088

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	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

MSD MSD

Surrogate	%Recovery	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

мв мв Result Qualifier MDL Unit Prepared Analyzed <50.0 U 50.0 mg/Kg 04/30/25 08:25 05/01/25 08:38 Gasoline Range Organics

(GRO)-C6-C10

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)

MR MR

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

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

Matrix: Solid

Matrix: Solid

Analysis Batch: 109150

Analysis Batch: 109150

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 109026

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

Surrogate	%Recovery	Qualifier	Limits	Pr	epared	Analyzed	Dil Fac
1-Chlorooctane	149	S1+	70 - 130	04/30	0/25 08:25	05/01/25 08:38	1
o-Terphenyl	137	S1+	70 - 130	04/30	0/25 08:25	05/01/25 08:38	1

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

ICED ICED

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 Du	р
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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	1000	978.0		mg/Kg		98	70 - 130	6	20	
(GRO)-C6-C10										
Diesel Range Organics (Over	1000	1012		mg/Kg		101	70 - 130	4	20	
040,000)										

C10-C28)

	LUSD	LUSD			
Surrogate	%Recovery	%Recovery Qualifier			
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	Snike
Ollell	Jailible	10.	IVIALI IA	ODINE

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	<49.9	U	996	1192		mg/Kg		120	70 - 130	
(GRO)-C6-C10										
Diesel Range Organics (Over	<49.9	U F1	996	708.5	F1	mg/Kg		69	70 - 130	

C10-C28)

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

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

QC Sample Results

Client: Carmona Resources Job ID: 890-8043-1 SDG: Eddy Co New Mexico Project/Site: SOUTH CULEBRA BLUFF UNIT #006

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

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 109026

_	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	<49.9	U	996	1188		mg/Kg		119	70 - 130	0	20
(GRO)-C6-C10											
Diesel Range Organics (Over	<49.9	U F1	996	723.4		mg/Kg		70	70 - 130	2	20

C10-C28)

Matrix: Solid

Analysis Batch: 109150

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenyl	86		70 - 130

Lab Sample ID: MB 880-109028/1-A Client Sample ID: Method Blank

Matrix: Solid

Analysis Batch: 109158

мв мв

Prep Type: Total/NA **Prep Batch: 109028**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		04/30/25 08:28	05/01/25 17:45	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		04/30/25 08:28	05/01/25 17:45	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/30/25 08:28	05/01/25 17:45	1

MB MB

Surrogate	%Recovery	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
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Prep Type: Total/NA

Prep Batch: 109028

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1045		mg/Kg		104	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1010		mg/Kg		101	70 - 130	
C10-C28)								

LCS LCS

Surrogate	%Recovery	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 Sa	mnla ID:	Lah Contr	ol Sample	Dun

Prep Type: Total/NA

Prep Batch: 109028

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

Job ID: 890-8043-1 Client: Carmona Resources Project/Site: SOUTH CULEBRA BLUFF UNIT #006 SDG: Eddy Co New Mexico

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

LCSD LCSD

Lab Sample ID: LCSD 880-109028/3-A **Matrix: Solid**

Analysis Batch: 109158

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

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

2

20

Prep Batch: 109028

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

Lab Sample ID: 890-8043-4 MS Client Sample ID: H-4 (0-1.0)

Matrix: Solid Prep Type: Total/NA Analysis Batch: 109158 Prep Batch: 109028

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits <50.0 U 999 1231 123 70 - 130Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 999 1241 mg/Kg 124 70 - 130C10-C28)

MS MS Surrogate %Recovery Qualifier Limits 144 S1+ 70 - 130 1-Chlorooctane 145 S1+ 70 - 130 o-Terphenyl

Lab Sample ID: 890-8043-4 MSD

Matrix: Solid

(GRO)-C6-C10

Diesel Range Organics (Over

Prep Type: Total/NA Analysis Batch: 109158 Prep Batch: 109028 Sample Sample MSD MSD Spike RPD Result Qualifier Analyte Result Qualifier hahhA Unit %Rec I imits RPD Limit D Gasoline Range Organics <50.0 U 999 1259 mg/Kg 126 70 - 130 2 20

1271

mg/Kg

127

70 - 130

999

C10-C28) MSD MSD Surrogate Limits

<50.0 U

%Recovery Qualifier 147 S1+ 70 - 130 1-Chlorooctane 147 S1+ 70 - 130 o-Terphenyl

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-109078/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 109084

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

Lab Sample ID: LCS 880-109078/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 109084

Spike LCS LCS

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

Job ID: 890-8043-1 Client: Carmona Resources Project/Site: SOUTH CULEBRA BLUFF UNIT #006 SDG: Eddy Co New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-109078/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 109084

Spike LCSD LCSD RPD %Rec Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 241.3 mg/Kg 97 90 - 110 20

Lab Sample ID: 890-8042-A-6-C MS Client Sample ID: Matrix Spike **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 109084

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

Lab Sample ID: 890-8042-A-6-D MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid Prep Type: Soluble

Analysis Batch: 109084

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

Lab Sample ID: MB 880-109079/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 109101

мв мв

Result Qualifier MDL Unit Analyte RL Prepared Analyzed Dil Fac Chloride <10.0 10.0 05/01/25 13:45 mg/Kg

Lab Sample ID: LCS 880-109079/2-A Client Sample ID: Lab Control Sample **Prep Type: Soluble**

LCS LCS

Matrix: Solid

Analysis Batch: 109101

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

Lab Sample ID: LCSD 880-109079/3-A Client Sample ID: Lab Control Sample Dup Matrix: Solid **Prep Type: Soluble**

Analysis Batch: 109101

Spike LCSD LCSD %Rec RPD Added RPD Analyte Result Qualifier Unit D %Rec Limits Limit Chloride 250 257 7 mg/Kg 103 90 - 110

Lab Sample ID: 890-8043-2 MS Client Sample ID: H-2 (0-1.0)

Matrix: Solid

Analysis Batch: 109101

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

Lab Sample ID: 890-8043-2 MSD Client Sample ID: H-2 (0-1.0)

Matrix: Solid

Analysis Batch: 109101

Released to Imaging: 9/4/2025 2:24:41 PM

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

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Prep Type: Soluble

Prep Type: Soluble

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	

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 Camula ID	Client Commis ID	Draw Time	Madeire	Mathad	Duan Batak
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 890-8043-1	Client Sample ID H-1 (0-1.0)	Prep Type Soluble	Matrix Solid	Method DI Leach	Prep Batch
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

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

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

Date Collected: 04/29/25 00:00 Date Received: 04/29/25 14:04 Lab Sample ID: 890-8043-1

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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)

Date Collected: 04/29/25 00:00

Date Received: 04/29/25 14:04

Lab Sample ID: 890-8043-2

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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)

Date Collected: 04/29/25 00:00

Date Received: 04/29/25 14:04

Lab Sample	ID: 890-8043-3
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Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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)

Date Collected: 04/29/25 00:00

Date Received: 04/29/25 14:04

Lab	Sample	ID:	890-8043-4
			Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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

Lab Sample ID: 890-8043-4

Matrix: Solid

Matrix: Solid

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

Date Collected: 04/29/25 00:00 Date Received: 04/29/25 14:04

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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

Date Received: 04/29/25 14:04

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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)

Date Collected: 04/29/25 00:00

Date Received: 04/29/25 14:04

Batch		Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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

Lab Sample ID: 890-8043-6

Matrix: Solid

Accreditation/Certification Summary

Client: Carmona Resources Job ID: 890-8043-1 Project/Site: SOUTH CULEBRA BLUFF UNIT #006

SDG: Eddy Co New Mexico

Laboratory: Eurofins Midland

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

Authority	Progra	am	Identification Number	Expiration Date
Texas	NELA	Р	T104704400	06-30-25
,	are included in this report, but bes not offer certification.	it the laboratory is not certif	fied by the governing authority. This lis	t may include analytes
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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Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-8043-1

SDG Number: Eddy Co New Mexico

List Oscillator Especial Control of

Login Number: 8043 List Number: 1 List Source: Eurofins Carlsbad

Creator: Lopez, Abraham

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	

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Login Sample Receipt Checklist

Client: Carmona Resources Job Number: 890-8043-1

SDG Number: Eddy Co New Mexico

Login Number: 8043 **List Source: Eurofins Midland** List Number: 2

List Creation: 04/30/25 08:04 AM

Creator: Laing, Edmundo

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	N/A	

<6mm (1/4").

Environment Testing

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 <u>Jessica.Kramer@et.eurofinsus.com</u> (432)704-5440 *oj 231*

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Client: Carmona Resources Project/Site: South Culebra Bluff Unit #006 Laboratory Job ID: 880-58383-1 SDG: Eddy Co, New Mexico

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Definitions/Glossary

Client: Carmona Resources

Job ID: 880-58383-1 Project/Site: South Culebra Bluff Unit #006

SDG: Eddy Co, New Mexico

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier Description	Qualifier	Qualifier Description
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F1 MS and/or MSD recovery exceeds control limits. 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 he	nresent in this report
ADDIEVIALIOII	These common	useu abbi eviations ma	y Oi illay	IIOL DE	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" Minimum Detectable Activity (Radiochemistry) MDA MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit Minimum Level (Dioxin) ML MPN Most Probable Number Method Quantitation Limit MQL

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)

Reporting Limit or Requested Limit (Radiochemistry) RL

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

Job ID: 880-58383-1

Case Narrative

Client: Carmona Resources

Project: South Culebra Bluff Unit #006

Eurofins Midland Job ID: 880-58383-1

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.

Client: Carmona Resources

Client Sample ID: CS-1 (6')

Date Collected: 05/20/25 00:00

Date Received: 05/21/25 10:25

Total BTEX

Project/Site: South Culebra Bluff Unit #006 SDG: Eddy Co, New Mexico

Lab Sample ID: 880-58383-1

05/21/25 16:06

Matrix: Solid

Job ID: 880-58383-1

Method: SW846 8021B - Volati	ile Organic Comp	ounds (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
4.4.D'(1 (0)	00		70 400				05/04/05 44 07	05/04/05 40 00	

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fa
Method: TAL SOP Total BTEX - Total BT	EX Calculation						
1,4-Dilluoloberizerie (Suit)	32	70 - 750			03/21/23 11.37	03/21/23 10.00	

0.00399

mg/Kg

<0.00399 U

Method: SW846 8015 NM - Diesel R	Range Organ	ics (DRO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	[כ	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg				05/21/25 15:25	1

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 C	hromatograp	hy - Solubl	9						
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 - Volati	ile Organic Comp	ounds (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

Client: Carmona Resources

Client Sample ID: CS-2 (6')

Date Collected: 05/20/25 00:00

Date Received: 05/21/25 10:25

Project/Site: South Culebra Bluff Unit #006

SDG: Eddy Co, New Mexico

Lab Sample ID: 880-58383-2

Matrix: Solid

Job ID: 880-58383-1

Method: TAL SOP Total BTEX - Tot	al BTEX Cald	culation							
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 F	Range Organ	ics (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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.6	U	49.6		mg/Kg		05/21/25 10:55	05/21/25 15:40	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.6	U	49.6		mg/Kg		05/21/25 10:55	05/21/25 15:40	1
C10-C28)									
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	
o-Terphenyl (Surr)	115		70 - 130				05/21/25 10:55	05/21/25 15:40	

Method: EPA 300.0 - Anions, Ion Ch	romatograp	hy - 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

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
			70 - 130				05/21/25 11:37	05/21/25 16:47	
Method: TAL SOP Total BTEX Analyte	- Total BTEX Cald	Qualifier	RL	MDL	Unit ma/Ka	<u>D</u>	05/21/25 11:37 Prepared	Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Calc Result <0.00398	Qualifier U	RL 0.00398	MDL	Unit mg/Kg	<u>D</u>			Dil Fac
Method: TAL SOP Total BTEX Analyte	- Total BTEX Calc Result <	Qualifier U	RL 0.00398			<u>D</u>		Analyzed	1
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	- Total BTEX Calc Result <	Qualifier U ics (DRO) (Qualifier	RL 0.00398		mg/Kg		Prepared	Analyzed 05/21/25 16:47	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <0.00398 sel Range Organ Result <49.9	Qualifier U ics (DRO) (Qualifier U	RL 0.00398 GC) RL 49.9		mg/Kg		Prepared	Analyzed 05/21/25 16:47 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - Die	- Total BTEX Calc Result <0.00398 sel Range Organ Result <49.9	Qualifier U ics (DRO) (Qualifier U	RL 0.00398 GC) RL 49.9	MDL	mg/Kg		Prepared	Analyzed 05/21/25 16:47 Analyzed	Dil Fac Dil Fac Dil Fac Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Calc Result <0.00398 sel Range Organ Result <49.9	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	RL 0.00398 GC) RL 49.9	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 05/21/25 16:47 Analyzed 05/21/25 15:55	Dil Fac

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')

Date Collected: 05/20/25 00:00 Date Received: 05/21/25 10:25 Lab Sample ID: 880-58383-3

Matrix: Solid

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	Analvzed	Dil Fac
	•						•		
1-Chlorooctane (Surr)	106	<u> </u>	70 - 130				05/21/25 10:55	05/21/25 15:55	1

Method: EPA 300.0 - Anions, Ion C	hromatography	- Soluble				
Analyte	Result Qu	ıalifier RL	MDL	Unit	D _	Prepared

Analyzed Dil Fac 10.0 05/21/25 20:25 Chloride 809 mg/Kg

Client Sample ID: CS-4 (6') Date Collected: 05/20/25 00:00

Date Received: 05/21/25 10:25

Lab Sample ID: 880-58383-4

Matrix: Solid

Method: SW846 8021B - Volat	ile Organic Comp	ounds (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 / Diffuorobenzene (Surr)	101		70 120				05/21/25 11:27	05/21/25 17:08	1

Surrogate	%Recovery Quaimer	Limits	Prepared	Anaryzea	DII 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

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)

Method. Strotto do 135 Mili - Dies	sei italige Olga		(00)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		05/21/25 10:55	05/21/25 16:09	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		05/21/25 10:55	05/21/25 16:09	1
C10-C28)									
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

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

Client: Carmona Resources

Project/Site: South Culebra Bluff Unit #006 SDG: Eddy Co, New Mexico

Lab Sample ID: 880-58383-5

Client Sample ID: CS-5 (6')

Date Collected: 05/20/25 00:00 Date Received: 05/21/25 10:25

Matrix: Solid

Job ID: 880-58383-1

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	
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 - 1	Total BTEX Cald	culation							
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	
: Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)						
Method: SW846 8015 NM - Diese Analyte	el Range Organ Result	ics (DRO) (GC)	MDL	Unit	<u>D</u>	Prepared	Analyzed	
: Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)	MDL		<u>D</u>	Prepared		
Method: SW846 8015 NM - Diese Analyte	Range Organ Result <50.2	ics (DRO) (Gualifier	GC) RL 50.2	MDL	Unit	<u>D</u>	Prepared	Analyzed	
Method: SW846 8015 NM - Diese Analyte Total TPH	el Range Organ Result <	ics (DRO) (Gualifier	GC) RL 50.2		Unit	D	Prepared Prepared	Analyzed	1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies	el Range Organ Result <	Qualifier Unics (DRO) Qualifier	RL 50.2 (GC)		Unit mg/Kg		· · ·	Analyzed 05/21/25 16:24	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte	Range Organ Result <50.2 sel Range Orga Result	Qualifier Unics (DRO) Qualifier	GC) RL 50.2 (GC) RL		Unit mg/Kg		Prepared	Analyzed 05/21/25 16:24 Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Range Organ Result <50.2 sel Range Orga Result	ics (DRO) (Qualifier U nics (DRO) Qualifier U	GC) RL 50.2 (GC) RL		Unit mg/Kg		Prepared	Analyzed 05/21/25 16:24 Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	el Range Organ Result <50.2 sel Range Orga Result <50.2 <50.2	ics (DRO) (Qualifier U nics (DRO) Qualifier U	GC) RL 50.2 (GC) RL 50.2 50.2		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 05/21/25 10:55 05/21/25 10:55	Analyzed 05/21/25 16:24 Analyzed 05/21/25 16:24 05/21/25 16:24	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	el Range Organ Result <50.2 sel Range Orga Result <50.2	ics (DRO) (Qualifier U nics (DRO) Qualifier U	GC) RL 50.2 (GC) RL 50.2		Unit mg/Kg Unit mg/Kg		Prepared 05/21/25 10:55	Analyzed 05/21/25 16:24 Analyzed 05/21/25 16:24	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	el Range Organ Result <50.2 sel Range Orga Result <50.2 <50.2	ics (DRO) (Qualifier U nics (DRO) Qualifier U U	GC) RL 50.2 (GC) RL 50.2 50.2		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 05/21/25 10:55 05/21/25 10:55	Analyzed 05/21/25 16:24 Analyzed 05/21/25 16:24 05/21/25 16:24	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	el Range Organ Result <50.2 sel Range Orga Result <50.2 <50.2 <50.2	ics (DRO) (Qualifier U nics (DRO) Qualifier U U	GC) RL 50.2 (GC) RL 50.2 50.2 50.2		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 05/21/25 10:55 05/21/25 10:55 05/21/25 10:55	Analyzed 05/21/25 16:24 Analyzed 05/21/25 16:24 05/21/25 16:24 05/21/25 16:24	Dil Face 1 1 1 Dil Face
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	el Range Organ Result <50.2 sel Range Orga Result <50.2 <50.2 <50.2 <%Recovery	ics (DRO) (Qualifier U nics (DRO) Qualifier U U	GC) RL 50.2 (GC) RL 50.2 50.2 50.2 Limits		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 05/21/25 10:55 05/21/25 10:55 05/21/25 10:55 Prepared	Analyzed 05/21/25 16:24 Analyzed 05/21/25 16:24 05/21/25 16:24 05/21/25 16:24 Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane (Surr)	Range Organ Result	ics (DRO) (Qualifier U nics (DRO) Qualifier U U Qualifier	GC) RL 50.2 (GC) RL 50.2 50.2 50.2 Limits 70 - 130 70 - 130		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 05/21/25 10:55 05/21/25 10:55 05/21/25 10:55 Prepared 05/21/25 10:55	Analyzed 05/21/25 16:24 Analyzed 05/21/25 16:24 05/21/25 16:24 Analyzed 05/21/25 16:24	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane (Surr) o-Terphenyl (Surr)	el Range Organ Result <50.2 sel Range Orga Result <50.2 <50.2 <50.2 <50.2 %Recovery 103 109 Chromatograp	ics (DRO) (Qualifier U nics (DRO) Qualifier U U Qualifier	GC) RL 50.2 (GC) RL 50.2 50.2 50.2 Limits 70 - 130 70 - 130		Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg		Prepared 05/21/25 10:55 05/21/25 10:55 05/21/25 10:55 Prepared 05/21/25 10:55	Analyzed 05/21/25 16:24 Analyzed 05/21/25 16:24 05/21/25 16:24 Analyzed 05/21/25 16:24	Dil Fac

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

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

Client: Carmona Resources

Client Sample ID: CS-6 (6')

Date Collected: 05/20/25 00:00

Project/Site: South Culebra Bluff Unit #006

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

Lab Sample ID: 880-58383-6

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 0.00396 mg/Kg 05/21/25 17:49

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

Result Qualifier **MDL** Unit RL D Prepared Analyzed Dil Fac Total TPH <50.2 U 50.2 05/21/25 16:39 mg/Kg

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

RL Analyte Result Qualifier MDL Unit D Prepared Dil Fac Analyzed <50.2 U 50.2 05/21/25 10:55 05/21/25 16:39 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <50.2 U 50.2 mg/Kg 05/21/25 10:55 05/21/25 16:39 C10-C28) Oil Range Organics (Over C28-C36) <50.2 U 50.2 05/21/25 10:55 05/21/25 16:39 mg/Kg

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane (Surr) 104 70 - 130 05/21/25 10:55 05/21/25 16:39 o-Terphenyl (Surr) 111 70 - 130 05/21/25 10:55 05/21/25 16:39

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

Client Sample ID: CS-7 (6') Lab Sample ID: 880-58383-7 Matrix: Solid

Date Collected: 05/20/25 00:00

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 Dil Fac RL MDL Unit D Prepared Analyzed Total BTEX <0.00402 U 0.00402 mg/Kg 05/21/25 18:09

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

Analyte Result Qualifier RL MDL Dil Fac Unit D Prepared Analyzed Total TPH <49.8 U 49.8 05/21/25 16:54 mg/Kg

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		05/21/25 10:55	05/21/25 16:54	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		05/21/25 10:55	05/21/25 16:54	1
Dieser Kange Organies (Over	10.0	J	10.0		mg/rtg		00/21/20 10:00	00/21/20 10:01	

C10-C28)

Released to Imaging: 9/4/2025 2:24:41 PM

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')

Date Collected: 05/20/25 00:00 Date Received: 05/21/25 10:25

Lab Sample ID: 880-58383-7

Matrix: Solid

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

	Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble	•						
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Į	Chloride	367		9.96		mg/Kg			05/21/25 20:53	1

Client Sample ID: CS-8 (6')

Date Collected: 05/20/25 00:00 Date Received: 05/21/25 10:25 Lab Sample ID: 880-58383-8

Matrix: Solid

Method: SW846 8021B - Volat	ile Organic Comp	ounds (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 - To	otal BTEX Cald	culation							
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 F	Range Organ	ics (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

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 C	hromatography - Soluble							
Analyte	Result Qualifier	RL	MDL U	nit	D	Prepared	Analyzed	Dil Fac
Chloride	298	9.92	m	ng/Kg			05/21/25 21:50	1

Client: Carmona Resources

Client Sample ID: CS-9 (2')

Date Collected: 05/20/25 00:00

Date Received: 05/21/25 10:25

Project/Site: South Culebra Bluff Unit #006

SDG: Eddy Co, New Mexico

Lab Sample ID: 880-58383-9

05/21/25 11:34 05/22/25 11:00

05/22/25 11:00

05/21/25 11:34

Matrix: Solid

Job ID: 880-58383-1

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
Total BTEX Method: SW846 8015 NM - Diesel I	<0.00398 Range Organ		0.00398 GC)		mg/Kg			05/21/25 18:50	1
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 - Diese			(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	<50.1	U F1	50.1		mg/Kg		05/21/25 11:34	05/22/25 11:00	1
Gasoline Range Organics (GRO)-C6-C10									
(GRO)-C6-C10 Diesel Range Organics (Over	<50.1	U F1	50.1		mg/Kg		05/21/25 11:34	05/22/25 11:00	1
(GRO)-C6-C10	<50.1 <50.1		50.1 50.1		mg/Kg mg/Kg		05/21/25 11:34 05/21/25 11:34	05/22/25 11:00 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

70 - 130

70 - 130

Client Sample ID: CS-10 (2') Lab Sample ID: 880-58383-10

117

105

Date Collected: 05/20/25 00:00 Date Received: 05/21/25 10:25

1-Chlorooctane (Surr)

o-Terphenyl (Surr)

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

Matrix: Solid

Client: Carmona Resources

Project/Site: South Culebra Bluff Unit #006

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

Lab Sample ID: 880-58383-10

Client Sample ID: CS-10 (2')

Date Collected: 05/20/25 00:00 Date Received: 05/21/25 10:25

Matrix: Solid

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 - Diese	l Range Organ	ics (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 - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.7	U	49.7		mg/Kg		05/21/25 11:34	05/22/25 11:49	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.7	U	49.7		mg/Kg		05/21/25 11:34	05/22/25 11:49	1
C10-C28)									
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	Chromatogran	hv - Solubl	e						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	282		9.98		mg/Kg		· ·	05/21/25 22:18	

Client Sample ID: CS-11 (2') Lab Sample ID: 880-58383-11

Date Collected: 05/20/25 00:00

Date Received: 05/21/25 10:25

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
4.4.0%	91		70 ₋ 130				05/21/25 11:37	05/21/25 20:45	1
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	
	- Total BTEX Cald					_			
Method: TAL SOP Total BTEX Analyte	- Total BTEX Cald	Qualifier		MDL	Unit mg/Kg	<u>D</u>			Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	- Total BTEX Calc Result <0.00404 esel Range Organ	Qualifier U	RL		mg/Kg		Prepared	Analyzed 05/21/25 20:45	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <0.00404 esel Range Organ	Qualifier U	RL 0.00404	MDL	mg/Kg	D_		Analyzed	•
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	- Total BTEX Calc Result <0.00404 esel Range Organ	Qualifier U ics (DRO) (Qualifier	RL		mg/Kg		Prepared	Analyzed 05/21/25 20:45	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Calc Result <0.00404 esel Range Organ Result <49.8	Qualifier U ics (DRO) (Qualifier U	RL 0.00404 GC) RL 49.8		mg/Kg		Prepared	Analyzed 05/21/25 20:45 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <0.00404 esel Range Organ Result <49.8 siesel Range Organ	Qualifier U ics (DRO) (Qualifier U	RL 0.00404 GC) RL 49.8		mg/Kg Unit mg/Kg		Prepared	Analyzed 05/21/25 20:45 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D	- Total BTEX Calc Result <0.00404 esel Range Organ Result <49.8 siesel Range Organ	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	RL 0.00404 GC) RL 49.8	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 05/21/25 20:45 Analyzed 05/22/25 12:05	Dil Fac

Eurofins Midland

Matrix: Solid

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

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 0	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')

Date Collected: 05/20/25 00:00 Date Received: 05/21/25 10:25 Lab Sample ID: 880-58383-12

Matrix: Solid

Method: SW846 8021B - Volati	lie Organic Comp	ounas (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
4.4.Diff	101		70 400				05/04/05 44:07	05/04/05 04:05	

1,4-Difluorobenzene (Surr)	104	70 - 130	05/21/25 11:37	05/21/25 21:05	1
Method: TAL SOP Total BTEX - Total BTI	EX Calculation				

Analyte	Result	Qualifier	RL	MDL (Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	r	mg/Kg			05/21/25 21:05	1

Method: 5W646 8015 NM - Diesei 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

Total TPH	<50.0 U	50.0	mg/Kg	05/22/25 12:22	1
Method: SW846 8015B NM - Diese	l Range Organics (DRO) (GC)			

		(=::=)	()						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		05/21/25 11:34	05/22/25 12:22	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		05/21/25 11:34	05/22/25 12:22	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/21/25 11:34	05/22/25 12:22	1
Currogato	% Pocovory	Qualifier	Limite				Propared	Analyzad	Dil Eac

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 C	hromatography - Soluble							
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	164	10.1	ma/Ka			05/21/25 22:32	1	

Client: Carmona Resources

Job ID: 880-58383-1 Project/Site: South Culebra Bluff Unit #006 SDG: Eddy Co, New Mexico

Client Sample ID: CS-13 (2')

Date Received: 05/21/25 10:25

Lab Sample ID: 880-58383-13 Date Collected: 05/20/25 00:00

Matrix: Solid

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

Method: Syvo46 8021B - Volati	ie Organic Comp	ounas (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

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

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.1	U	50.1	mg/Kg		05/21/25 11:34	05/22/25 12:38	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.1	U	50.1	mg/Kg		05/21/25 11:34	05/22/25 12:38	1
C10-C28)								
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

Analyto	Posult Qualifier	DI	MDI Unit I) Propared	Analyzod	Dil Eac
Method: EPA 300.0 - Anions, Ion Chromato	ography - Soluble					
o-Terphenyl (Surr)	97	70 - 130		05/21/25 11:34	05/22/25 12:38	1

9.94 Chloride 05/21/25 22:54 131 mg/Kg Client Sample ID: CS-14 (2') Lab Sample ID: 880-58383-14

Date Collected: 05/20/25 00:00 Date Received: 05/21/25 10:25

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

Matrix: Solid

Client: Carmona Resources

Job ID: 880-58383-1 Project/Site: South Culebra Bluff Unit #006 SDG: Eddy Co, New Mexico

Lab Sample ID: 880-58383-14

05/21/25 11:34

Client Sample ID: CS-14 (2')

Date Collected: 05/20/25 00:00 Date Received: 05/21/25 10:25

Matrix: Solid

05/22/25 12:54

Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Total BTEX <0.00398 0.00398 05/21/25 21:46 mg/Kg

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Result Qualifier **MDL** Unit RL D Prepared Analyzed Dil Fac Total TPH <50.3 U 50.3 05/22/25 12:54 mg/Kg

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier RL MDL Unit Analyte D Prepared Dil Fac Analyzed <50.3 U 50.3 05/21/25 11:34 05/22/25 12:54 Gasoline Range Organics mg/Kg (GRO)-C6-C10 50.3 Diesel Range Organics (Over <50.3 U mg/Kg 05/21/25 11:34 05/22/25 12:54 C10-C28) Oil Range Organics (Over C28-C36) <50.3 U 50.3 05/21/25 11:34 05/22/25 12:54 mg/Kg Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane (Surr) 106 70 - 130 05/21/25 11:34 05/22/25 12:54

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Analyte RL MDL Unit D Prepared Analyzed Dil Fac Chloride 455 9.96 mg/Kg 05/21/25 23:01

70 - 130

97

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

Released to Imaging: 9/4/2025 2:24:41 PM

o-Terphenyl (Surr)

Method: SW846 8021B - Volati	ile Organic Comp	ounds (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 MDL Unit RL D Dil Fac Prepared Analyzed Total BTEX <0.00404 U 0.00404 mg/Kg 05/21/25 22:07

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL MDL Dil Fac Unit D Prepared Analyzed Total TPH <49.9 U 49.9 05/22/25 13:11 mg/Kg

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL MDL Unit Dil Fac Prepared Analyzed <49.9 U 49.9 05/21/25 11:34 Gasoline Range Organics 05/22/25 13:11 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <49.9 U 49.9 mg/Kg 05/21/25 11:34 05/22/25 13:11 C10-C28)

Client: Carmona Resources

Project/Site: South Culebra Bluff Unit #006

Job ID: 880-58383-1

SDG: Eddy Co, New Mexico

Lab Sample ID: 880-58383-15

Client Sample ID: CS-15 (2')

Date Collected: 05/20/25 00:00 Date Received: 05/21/25 10:25

Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)											
Analyte	Result	Qualifier	RL	MDL Uni	t 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')

Date Collected: 05/20/25 00:00 Date Received: 05/21/25 10:25 Lab Sample ID: 880-58383-16

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier MDL Unit Prepared Analyzed Dil Fac Benzene <0.00199 U 0.00199 05/21/25 11:37 05/21/25 22:27 mg/Kg Toluene <0.00199 U 0.00199 05/21/25 11:37 05/21/25 22:27 mg/Kg Ethylbenzene <0.00199 U 0.00199 mg/Kg 05/21/25 11:37 05/21/25 22:27 m,p-Xylenes <0.00398 U 0.00398 05/21/25 11:37 05/21/25 22:27 mg/Kg o-Xylene <0.00199 U 0.00199 mg/Kg 05/21/25 11:37 05/21/25 22:27 Xylenes, Total <0.00398 U 0.00398 mg/Kg 05/21/25 11:37 05/21/25 22:27 Surrogato % Pocovory Qualifier 1:--:4-A ... a l. ... a al

Surrogate	%Recovery Qualifier	Limits	Prepared	Anaryzea	DII 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 - Tot	al 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 F	sel 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			iC)						
Analyto	Docult	Qualifier	DI	MDI	Unit	D	Droparod	Analyzod	Dil Eac

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.7	U	49.7		mg/Kg		05/21/25 11:34	05/22/25 13:27	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.7	U	49.7		mg/Kg		05/21/25 11:34	05/22/25 13:27	1
C10-C28)									
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

Surrogate	/₀Kecovery	Qualifier	LIIIIII		Frepareu	Allalyzeu	DII Fac
1-Chlorooctane (Surr)	111		70 - 130	05	5/21/25 11:34	05/22/25 13:27	1
o-Terphenyl (Surr)	99		70 - 130	05	5/21/25 11:34	05/22/25 13:27	1
Г., . , <u>_</u> _, ., . , . , . ,							

Method: EPA 300.0 - Anions, Ion C	hromatography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	315	9.96	mg/Kg			05/21/25 23:15	1

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

		BFB1	DFBZ1	Percent Surrogate Recovery (Accep
ah Sample ID	Client Sample ID	(70-130)	(70-130)	
-ab Sample ID 380-58383-1	CS-1 (6')	103	92	
	()			
380-58383-1 MS	CS-1 (6')	97	107	
380-58383-1 MSD	CS-1 (6')	104	102	
380-58383-2	CS-2 (6')	83	105	
380-58383-3	CS-3 (6')	92	103	
380-58383-4	CS-4 (6')	95	101	
380-58383-5	CS-5 (6')	91	100	
380-58383-6	CS-6 (6')	90	101	
380-58383-7	CS-7 (6')	99	100	
380-58383-8	CS-8 (6')	92	100	
380-58383-9	CS-9 (2')	90	99	
380-58383-10	CS-10 (2')	71	99	
380-58383-11	CS-11 (2')	104	91	
380-58383-12	CS-12 (2')	87	104	
380-58383-13	CS-13 (2')	91	100	
380-58383-14	CS-14 (2')	91	101	
380-58383-15	CS-15 (2')	93	99	
380-58383-16	CS-16 (2')	91	98	
CS 880-110626/1-A	Lab Control Sample	89	106	
CSD 880-110626/2-A	Lab Control Sample Dup	97	103	
MB 880-110626/5-A	Method Blank	102	89	

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
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
380-58383-1	CS-1 (6')	105	113	
880-58383-2	CS-2 (6')	109	115	
80-58383-3	CS-3 (6')	106	115	
80-58383-4	CS-4 (6')	104	111	
30-58383-5	CS-5 (6')	103	109	
80-58383-6	CS-6 (6')	104	111	
80-58383-7	CS-7 (6')	101	107	
80-58383-8	CS-8 (6')	101	107	
80-58383-9	CS-9 (2')	117	105	
0-58383-9 MS	CS-9 (2')	115	104	
80-58383-9 MSD	CS-9 (2')	117	104	
30-58383-10	CS-10 (2')	117	102	
80-58383-11	CS-11 (2')	105	93	
80-58383-12	CS-12 (2')	105	95	
80-58383-13	CS-13 (2')	108	97	
30-58383-14	CS-14 (2')	106	97	
30-58383-15	CS-15 (2')	103	95	
30-58383-16	CS-16 (2')	111	99	

Surrogate Summary

Client: Carmona Resources

Job ID: 880-58383-1

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)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(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)

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14

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

Lab Sample ID: LCS 880-110626/1-A

Matrix: Solid

Analysis Batch: 110631

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 110626

	IVID	IVID							
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 15:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/21/25 11:37	05/21/25 15:44	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/21/25 11:37	05/21/25 15:44	
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/21/25 11:37	05/21/25 15:44	
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/21/25 11:37	05/21/25 15:44	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/21/25 11:37	05/21/25 15:44	•

MB MB

MD MD

Surrogate	%Recovery	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

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 110626

Prep Type: Total/NA

Prep Batch: 110626

LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.1176 mg/Kg 118 70 - 130 Toluene 0.100 0.09364 mg/Kg 94 70 - 130 0.100 0.09709 97 Ethylbenzene mg/Kg 70 - 130 0.200 0.1986 70 - 130 m,p-Xylenes mg/Kg 0.100 0.09861 70 - 130 o-Xylene mg/Kg

LCS LCS

Surrogate	%Recovery Qualif	ier Limits
4-Bromofluorobenzene (Surr)	89	70 - 130
1,4-Difluorobenzene (Surr)	106	70 - 130

Lab Sample ID: LCSD 880-110626/2-A **Client Sample ID: Lab Control Sample Dup**

Matrix: Solid

Matrix: Solid

Analysis Batch: 110631

Analysis Batch: 110631

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	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

LCSD LCSD

Surrogate	%Recovery	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

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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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Client: Carmona Resources

SDG: Eddy Co, New Mexico Project/Site: South Culebra Bluff Unit #006

Job ID: 880-58383-1

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

Lab Sample ID: 880-58383-1 MS

Analysis Batch: 110631

Client Sample ID: CS-1 (6') **Matrix: Solid Prep Type: Total/NA** Prep Batch: 110626

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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	
,						59				

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	97	70 - 130
1.4-Difluorobenzene (Surr)	107	70 ₋ 130

Lab Sample ID: 880-58383-1 MSD

Client Sample ID: CS-1 (6') **Matrix: Solid** Prep Type: Total/NA Prep Batch: 110626 Analysis Batch: 110631

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	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

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

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

Lab Sample ID: MB 880-110558/1-A	Client Sample ID: Method Blank
Matrix: Solid	Prep Type: Total/NA
Analysis Batch: 110591	Prep Batch: 110558

	MB	MR							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		05/20/25 16:23	05/21/25 08:07	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		05/20/25 16:23	05/21/25 08:07	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/20/25 16:23	05/21/25 08:07	1

MB MB

Surrogate	%Recovery	Qualifier	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							Prep I	ype: lotal/NA
Analysis Batch: 110591							Prep E	Batch: 110558
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1051		mg/Kg		105	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	916.2		mg/Kg		92	70 - 130	
C10-C28)								

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Client Sample ID: Lab Control Sample

Job ID: 880-58383-1 Client: Carmona Resources Project/Site: South Culebra Bluff Unit #006 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 Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 110591

Prep Type: Total/NA

Prep Batch: 110558

%Rec RPD Limits RPD Limit

Spike LCSD LCSD Analyte Added Result Qualifier Unit D %Rec 1000 1015 101 70 - 1303 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 897.3 90 mg/Kg 70 - 1302 20

C10-C28)

LCSD LCSD

Surrogate %Recovery Qualifier Limits 70 - 130 1-Chlorooctane (Surr) 118 o-Terphenyl (Surr) 116 70 - 130

Lab Sample ID: 890-8185-A-1-B MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 110591

Prep Type: Total/NA

Prep Batch: 110558

Sample Sample MS MS Spike Analyte Added Result Qualifier Result Qualifier Unit D %Rec Limits Gasoline Range Organics <50.0 U 999 859.2 mg/Kg 86 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 999 777.8 mg/Kg 78 70 - 130

C10-C28)

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 Client Sample ID: Matrix Spike Duplicate

Spike

Added

999

999

MSD MSD

Qualifier

Unit

mg/Kg

mg/Kg

Result

886.9

846.2

Matrix: Solid

Analysis Batch: 110591

Gasoline Range Organics

Prep Type: Total/NA

70 - 130

85

Prep Batch: 110558

RPD %Rec %Rec Limits RPD Limit 89 70 - 130 20

(GRO)-C6-C10 Diesel Range Organics (Over C10-C28)

Analyte

MSD MSD

<50.0 U

Sample Sample

<50.0 U

Result Qualifier

Surrogate	%Recovery Qua	alifier Limits
1-Chlorooctane (Surr)	120	70 - 130
o-Terphenyl (Surr)	121	70 - 130

Eurofins Midland

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Client: Carmona Resources

SDG: Eddy Co, New Mexico Project/Site: South Culebra Bluff Unit #006

Job ID: 880-58383-1

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

Lab Sample ID: MB 880-110621/1-A

Matrix: Solid

Analysis Batch: 110717

Prep Type: Total/NA

Prep Batch: 110621

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		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
	МВ	MB							
Surrogate	%Recovery	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**

LCS LCS Spike %Rec Added Result Qualifier Analyte Unit D %Rec Limits 1087 Gasoline Range Organics 1000 mg/Kg 109 70 - 130 (GRO)-C6-C10 1000 1110 Diesel Range Organics (Over mg/Kg 111 70 - 130 C10-C28)

LCS LCS

Surrogate	%Recovery 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

		Spike	LCSD	LCSD				%Rec		RPD
4	Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
(Gasoline Range Organics	1000	1116		mg/Kg		112	70 - 130	3	20
((GRO)-C6-C10									
ı	Diesel Range Organics (Over	1000	1126		mg/Kg		113	70 - 130	1	20
(C10-C28)									

LCSD LCSD

Surrogate	%Recovery 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

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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

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

Limits

70 - 130

70 - 130

SDG: Eddy Co, New Mexico

Job ID: 880-58383-1

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

MS MS

%Recovery Qualifier

115

104

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

Lab Sample ID: 880-58383-9 MSD

Matrix: Solid

o-Terphenyl (Surr)

1-Chlorooctane (Surr)

Surrogate

Analysis Batch: 110717

Client Sample ID: CS-9 (2')

Prep Type: Total/NA **Prep Batch: 110621**

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD Limit <50.1 U F1 995 <49.8 U F1 0 70 - 130NC 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 995 0 NC <50.1 U F1 <49.8 U F1 mg/Kg 70 - 13020 C10-C28)

MSD MSD

%Recovery Surrogate Qualifier Limits 70 - 130 1-Chlorooctane (Surr) 117 o-Terphenyl (Surr) 104 70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-110629/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 110640

мв мв

Analyte Result Qualifier RL MDL Unit Dil Fac D Prepared Analyzed Chloride 10.0 <10.0 U mg/Kg 05/21/25 17:21

Lab Sample ID: LCS 880-110629/2-A

Matrix: Solid

Analysis Batch: 110640

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit %Rec Limits Chloride 250 257.8 mg/Kg 103 90 - 110

Lab Sample ID: LCSD 880-110629/3-A

Matrix: Solid

Analysis Batch: 110640

Spike LCSD LCSD %Rec RPD Added Analyte Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 258.4 103 90 - 110 20 mg/Kg

Lab Sample ID: 880-58380-A-10-B MS

Matrix: Solid

Analysis Ratch: 110640

Alialysis Datcii. 110040										
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	3250	F1	1260	4913	F1	mg/Kg		132	90 - 110	

Eurofins Midland

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

Prep Type: Soluble

Client Sample ID: Lab Control Sample

Client Sample ID: Matrix Spike

Prep Type: Soluble

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 Client Sample ID: Matrix Spike Duplicate **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 110640

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	3250	F1	1260	4925	F1	mg/Kg		133	90 - 110	0	20	

Lab Sample ID: MB 880-110632/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 110642

мв мв

Analyte	Result 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 **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 110642

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	257.6		mg/Kg	_	103	90 - 110	

Lab Sample ID: LCSD 880-110632/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 110642

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	250	256.3		mg/Kg		103	90 - 110	0	20	

Lab Sample ID: 880-58383-8 MS Client Sample ID: CS-8 (6') **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 110642

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	298		248	565.6		ma/Ka		108	90 - 110	

Lab Sample ID: 880-58383-8 MSD Client Sample ID: CS-8 (6') **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 110642

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	298		248	563.9		mg/Kg	_	107	90 - 110	0	20

Eurofins Midland

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

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 Batc
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

880-58383-1 CS-1 (6') Total/NA 880-58383-2 CS-2 (6') Total/NA 880-58383-3 CS-3 (6') Total/NA 880-58383-4 CS-4 (6') Total/NA 880-58383-5 CS-5 (6') Total/NA 880-58383-6 CS-6 (6') Total/NA	Solid Solid Solid	8015NM Prep 8015NM Prep	
880-58383-3 CS-3 (6') Total/NA 880-58383-4 CS-4 (6') Total/NA 880-58383-5 CS-5 (6') Total/NA		•	
880-58383-4 CS-4 (6') Total/NA 880-58383-5 CS-5 (6') Total/NA	Solid		
880-58383-5 CS-5 (6') Total/NA		8015NM Prep	
• •	Solid	8015NM Prep	
880-58383-6 CS-6 (6') Total/NA	Solid	8015NM Prep	
	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	

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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 Batcl
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

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

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Client: Carmona Resources

Job ID: 880-58383-1 Project/Site: South Culebra Bluff Unit #006 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

Date Received: 05/21/25 10:25

Project/Site: South Culebra Bluff Unit #006

SDG: Eddy Co, New Mexico

Job ID: 880-58383-1

Client Sample ID: CS-1 (6') Lab Sample ID: 880-58383-1 Date Collected: 05/20/25 00:00

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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

Lab Sample ID: 880-58383-2 Client Sample ID: CS-2 (6')

Date Collected: 05/20/25 00:00 Matrix: Solid

Date Received: 05/21/25 10:25

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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 Date Received: 05/21/25 10:25

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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

Matrix: Solid

Job ID: 880-58383-1

Lab Chronicle

Client: Carmona Resources

Client Sample ID: CS-4 (6')

Date Collected: 05/20/25 00:00

Date Received: 05/21/25 10:25

Soluble

Analysis

300.0

Project/Site: South Culebra Bluff Unit #006

Lab Sample ID: 880-58383-4

Matrix: Solid

SDG: Eddy Co, New Mexico

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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

Batch Batch Dil Initial Final Batch Prepared Prep Type Method Amount Amount Number or Analyzed Type Run Factor Analyst Lab Total/NA 5035 Prep 5.01 g 5 mL 110626 05/21/25 11:37 MNR **EET MID** Total/NA Analysis 8021B 5 mL 5 mL 110631 05/21/25 17:28 EL EET MID 1 Total/NA Total BTEX **EET MID** Analysis 1 110741 05/21/25 17:28 SM Total/NA Analysis 8015 NM 110737 05/21/25 16:24 SM EET MID 1 EET MID Total/NA Prep 8015NM Prep 9.97 g 10 mL 110558 05/21/25 10:55 EL Total/NA Analysis 8015B NM 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**

Client Sample ID: CS-6 (6') Lab Sample ID: 880-58383-6

110640

05/21/25 20:39

СН

Date Collected: 05/20/25 00:00 **Matrix: Solid** Date Received: 05/21/25 10:25

1

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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

EET MID

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')

Date Collected: 05/20/25 00:00 Date Received: 05/21/25 10:25 Lab Sample ID: 880-58383-7

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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

Lab Sample ID: 880-58383-0 Client Sample ID: CS-9 (2')

Date Collected: 05/20/25 00:00

Date Received: 05/21/25 10:25

_ab	Sample	ID.	000-20303-9	
			Matrix: Solid	

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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

Date Received: 05/21/25 10:25

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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') Lab Sample ID: 880-58383-12

Date Collected: 05/20/25 00:00

Date Received: 05/21/25 10:25

Matrix: Solid

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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') Lab Sample ID: 880-58383-13

Date Collected: 05/20/25 00:00

Date Received: 05/21/25 10:25

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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') Lab Sample ID: 880-58383-14

Date Collected: 05/20/25 00:00 Date Received: 05/21/25 10:25

Released to Imaging: 9/4/2025 2:24:41 PM

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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

Matrix: Solid

Job ID: 880-58383-1

Lab Chronicle

Client: Carmona Resources

Project/Site: South Culebra Bluff Unit #006 SDG: Eddy Co, New Mexico

Lab Sample ID: 880-58383-14

Client Sample ID: CS-14 (2')

Date Collected: 05/20/25 00:00 Date Received: 05/21/25 10:25

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	EET MID

Client Sample ID: CS-15 (2') Lab Sample ID: 880-58383-15

Date Collected: 05/20/25 00:00 Date Received: 05/21/25 10:25

Batch Batch Dil Initial Final Batch Prepared Method Amount Amount Number **Prep Type** Type Run Factor or Analyzed Analyst Lab Prep Total/NA 5035 4.95 g 5 mL 110626 05/21/25 11:37 MNR **EET MID** Total/NA Analysis 8021B 5 mL 5 mL 110631 05/21/25 22:07 EL **EET MID** 1 Total/NA Analysis Total BTEX 1 110741 05/21/25 22:07 SM **EET MID** Total/NA 8015 NM 110737 05/22/25 13:11 SM EET MID Analysis 1 Total/NA Prep 8015NM Prep 10.03 g 10 mL 110621 05/21/25 11:34 FC **EET MID** Total/NA 8015B NM 1 uL 110717 05/22/25 13:11 TKC **EET MID** Analysis 1 uL 1 Soluble Leach DI Leach 4.96 g 50 mL 110632 05/21/25 13:34 SA **EET MID** Soluble Analysis 300.0 110642 05/21/25 23:08 СН **EET MID** 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

Batch Batch Dil Initial Final Batch Prepared **Prep Type** Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA Prep 5035 5.02 g 5 mL 110626 05/21/25 11:37 MNR **EET MID** Total/NA 8021B 5 mL 5 mL 110631 05/21/25 22:27 EL Analysis **EET MID** 1 Total/NA Analysis Total BTEX 1 110741 05/21/25 22:27 SM **EET MID** Total/NA Analysis 8015 NM 110737 05/22/25 13:27 SM **EET MID** 1 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 uL 1 uL 110717 05/22/25 13:27 TKC EET MID 1 Soluble Leach DI Leach 5.02 g 50 mL 110632 05/21/25 13:34 SA **EET MID** Soluble Analysis 300.0 110642 05/21/25 23:15 СН EET MID 1

Laboratory References:

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

Matrix: Solid

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	Progra	ım	Identification Number	Expiration Date
Texas	NELAF)	T104704400	06-30-25
,	are included in this report, bu	t the laboratory is not certif	fied by the governing authority. This list	t may include analytes
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	Total TPH	
		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

Eurofins Midland

Sample Summary

Client: Carmona Resources

880-58383-16

Project/Site: South Culebra Bluff Unit #006

CS-16 (2')

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

Solid

05/20/25 00:00

05/21/25 10:25

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10

11

12

														Pa	Page1 of_	of2_
Project Manager As	Ashton Thielke				Bill to: (if different)	different)		Carmona Resources	Resourc	es		We	ork Ord	Work Order Comments		
Company Name: Ca	Carmona Resources	nrces			Company	Name					Progr	Program: UST/PST PI	RP ₽	□PRP □Brownfields □RRC		☐ punjud ☐
192	310 West Wall Ste. 500	Ste. 500			Address:						State	State of Project:				
te ZIP:	Midland, TX 79701	1701			City, State ZIP:	e ZIP:					Repor	Reporting:Level II Level III PST/UST	e ≡ ⊟		D'RRP	☐ Level IV ☐
	432-813-8988			Email	Email: ThielkeA	\@Carm	@Carmonaresources.com	rces.co	E		Delive	Deliverables: EDD	AD	ADaPT	Other:	
Project Name:	South Cule	South Culebra Bluff Unit #006	900#	Tur	Turn Around					ANALYSIS	ANALYSIS REQUEST			Pre	Preservative Codes	Codes
Project Number:		2707		Routine	✓ Rush		Pres. Code							None: NO		DI Water: H ₂ O
Project Location	Eddy C	Eddy Co, New Mexico	20	Due Date:	24	H		_						Cool: Cool		MeOH: Me
Sampler's Name:		JDC		TAT starts the day received by the	e day receive	od by the		(OAM	(a)					HCL: HC		HNO ₃ : HN
PO#:		i					en e J	_						H2504: H2		NaOH: Na
SAMPLE RECEIP		Temp Blank:	Yes (Ng	Wet Ice:			əш	_	_						_	
Received Intact:	£) §	No MA	Thermometer ID:	eter ID:	7	V)-	ereq	GRO -	ebine					NaHSO4: NABIS	NABIS NaSO,	
Sample Custody Seals:		_	Temperat	Temperature Reading:	C	1								Zn Acetat	Zn Acetate+NaOH: Zn	
Total Containers:			Corrected	Corrected Temperature	930	4	i	3108	0165					NaOH+As	NaOH+Ascorbic Acid: SAPC	SAPC
Sample Identification	ication	Date	Time	Soil	Water	Grab/	# of	HQT						San	Sample Comments	ments
CS-1 (6')		5/20/2025		×		Comp	-	×	×							
CS-2 (6')		5/20/2025		×		Comp	-	×	+							
CS-3 (6')		5/20/2025		×		Comp	-	×	×							
CS-4 (6')		5/20/2025		×		Comp	-	×	×							
CS-5 (6')		5/20/2025		×		Comp	-	×	×							
(,9) 9-S2		5/20/2025		×		Comp	-	×	×							
(e)		5/20/2025		×		Comp	-	×	×							
(,9) 8-SO		5/20/2025		×		Comp	-	×	×							
CS-9 (2')		5/20/2025		×		Comp	-	×	×							
CS-10 (2')	(,	5/20/2025		×		Comp	-	×	×							
			Please	send results	to cmoe	hring@(armona	resourc	es.com	Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com	monaresou	rces.com				
Relinquished by: (Signature)	Signature)		Received by:	d by: (Signature)	(ane)			Date/Time	0	Relinquished by: (Signature)	Signature)	Received by: (Signature)	y: (Sign.	ature)	Date	Date/Time
ha				2	1		12-5	52-	10,25							
3		\								4						

Chain of Custody

Chain of Custody

Work Order No:

													Fage	2 OI _2
Project Manager: A	Ashton Thielke				Bill to: (if different)	Terent)	Carr	Carmona Resources	ources		Work	Order	Work Order Comments	
Company Name:	Carmona Resources	sex			Company Name:	Name:					Program: UST/PST PRP Brownfields RRC	Brov	unfields RRC	Unperfund
	310 West Wall Ste. 500	e. 500			Address:						State of Project:			
e ZIP:	Midland, TX 79701	1			City, State ZIP:	ZIP:	(5)				Reporting: Level II Level III PST/UST	≡ Ps	T/UST TRRP	☐ Level IV ☐
hone: 4	432-813-8988			Email:	ThielkeA(Email: ThielkeA@Carmonaresources.com	resource	s.com			Deliverables: EDD	ADaf	ADaPT Other:	
Project Name:	South Culebra Bluff Unit #006	Bluff Unit	900#	Tur	Turn Around					ANALYSIS REQUEST	JEST		Preserva	Preservative Codes
Project Number:	2.	2707		Routine	✓Rush	a 0	Pres. Code						None: NO	DI Water: H ₂ O
Project Location	Eddy Co, 1	Eddy Co, New Mexico		Due Date:	24 HR	R		(Cool: Cool	MeOH: Me
sampler's Name:	٦	JDC		TAT starts the day received by the	day received	by the		(OAM					HCL: HC	HNO3: HN
#00				lab, if rece	ived by 4:30	-	81	1+(H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT	T Temp Blank:	3lank:	Yes No	Wet Ice:	Yes	o _N	nete	DRG	0.00				H₃PO₄: HP	
Received Intact:	Yes	No	Thermometer ID:	ster ID:				+0	9 30			רם	NaHSO4: NABIS	
Cooler Custody Seals:	Yes No N/A	N/A	Correction Factor:	Factor:		107	EX .	ЯЭ	ріто			ОН	Na ₂ S ₂ O ₃ : NaSO ₃	e
Sample Custody Seals:	Yes No	N/A	Temperatu	Temperature Reading:			ra) W9	СРІ				Zn Acetate+NaOH: Zn	JH: Zn
otal Containers:			Corrected	Corrected Temperature:				108					NaOH+Ascorbic Acid: SAPC	Acid: SAPC
Sample Identification	fication	Date	Time	Soil	Water		# of	НФТ					Sample	Sample Comments
CS-11 (2")		5/20/2025		×		Comp	×	×	×			-		
(2) (1) (2)		E/20/2026		×		, amo	×	×	×			+		
CC 12 (2)		SISSISSISSISSISSISSISSISSISSISSISSISSIS		< >		1 1 1 1	+	< >	< >			+		
300		5202/02/0		< >		a	+	(;	< >			+		
CS-14 (Z)		5/20/2025		×		Comp	×	×	×			+		
CS-15 (2')		5/20/2025		×		Comp	1 ×	×	×					
CS-16 (2')		5/20/2025		×		Comp	1 X	×	×					
												_		
												-		
			Please s	end results	to cmoeh	ring@carr	nonares	onrces.c	om and mo	Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com	esources.com			
Relinquished by: (Signature)	(Signature)		Received	Received by: (Signature)	(e)		Date/	Date/Time	Relir	Relinquished by: (Signature)	re) Received by: (Signature)	(Signat		Date/Time
Ber				7	1	70	52-12-	10:	: 25 2					
				2	}				4					
				7					9					
									-		_		Revised D	Revised Date 05012020 Rev 2020 1

Login Sample Receipt Checklist

Client: Carmona Resources Job Number: 880-58383-1

SDG Number: Eddy Co, New Mexico

Login Number: 58383 List Source: Eurofins Midland

List Number: 1

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	

OJ 231



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/ga/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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)

BTEX 8021B	mg/	'kg	Analyze	d 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 BTEX	<0.300	0.300	05/22/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d 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	Analyze	d 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	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	61.7	% 40.6-15	3						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



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 Sampling Date: 05/21/2025

Project Name:

BTEX 8021B

05/23/2025 Sampling Type: Soil
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 - 18 (6') (H253071-02)

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 9	% 71.5-13-	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d 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	Analyze	d 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	% 44.4-14.	5						
Surrogate: 1-Chlorooctadecane	66.2 9	% 40.6-15.	3						

Analyzed By: JH

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



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
Project Name: SOUTH CULEBRA BLUFF UNIT #006

Sampling Type: Soil
Sampling Condition: Cool & Intact

Project Number: 2707

Sample Received By: Tamara Oldaker

Project Location: EDDY CO NM

Sample ID: CS - 19 (6') (H253071-03)

BTEX 8021B

	9,	9	7	7: 5::					
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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed 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	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	73.4	% 40.6-15	3						

Analyzed By: JH

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



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 Sampling Date: 05/21/2025 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 - 20 (6') (H253071-04)

BTEX 8021B

	9,	9	7	7: 5::					
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	% 71.5-13	4						
Chloride, SM4500CI-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	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	70.3	% 40.6-15	3						

Analyzed By: JH

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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 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 - 21 (6') (H253071-05)

BTEX 8021B	mg/kg		Analyze	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	% 71.5-13	4						
Chloride, SM4500CI-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	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	77.4	% 40.6-15	3						

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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 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 - 22 (6') (H253071-06)

BTEX 8021B	mg/kg		Analyze	d 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 9	% 71.5-13	4						
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	Analyze	d 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	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	76.5	% 40.6-15	3						

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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

SOUTH CULEBRA BLUFF UNIT #006

Project Name: SOUT 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 9	% 71.5-13	4						
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	Analyze	d 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	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	70.6	% 40.6-15	3						

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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

SOUTH CULEBRA BLUFF UNIT #006

Project Name: SOUT 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		Analyze	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	05/23/2025	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed 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	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	75.5	% 40.6-15	3						

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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 Sampling Type: SOUTH CULEBRA BLUFF UNIT #006 Sampling Condition:

Project Name: Project Number: 2707

Project Location: EDDY CO NM Sampling Date: 05/21/2025 Soil

Sample Received By:

Cool & Intact Tamara Oldaker

Sample ID: CS - 25 (6') (H253071-09)

BTEX 8021B	mg/kg		Analyze	d 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	101 9	% 71.5-13	4						
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	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	72.1	% 40.6-15	3						

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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 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

Applyzod By: 14

Project Location: EDDY CO NM

Sample ID: CS - 26 (6') (H253071-10)

RTFY 8021R

BIEX 8021B	тд/кд		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		4						
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	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	67.1	% 40.6-15	3						

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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 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 - 27 (6') (H253071-11)

BTEX 8021B	mg/kg		Analyze	d 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 9	% 71.5-13	4						
Chloride, SM4500CI-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	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	62.5	% 40.6-15	3						

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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 Sampling Date: 05/21/2025 Sampling Type: Soil

Project Name: SOUTH CULEBRA BLUFF UNIT #006 Project Number: 2707

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Project Location: EDDY CO NM

Sample ID: SW - 1 (6.0') (H253071-12)

BTEX 8021B	mg/kg		Analyze	d 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 5	% 71.5-13	4						
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	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	% 44.4-14	15						
Surrogate: 1-Chlorooctadecane	70.8								

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Celey D. Keine



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

05/23/2025 Sampling Type: SOUTH CULEBRA BLUFF UNIT #006 Sampling Condition:

Applyzod By: 14

Project Name: SOUT Project Number: 2707

Project Location: EDDY CO NM

Sampling Date: 05/21/2025

ampling Type: Soil

Sample Received By:

Cool & Intact Tamara Oldaker

Sample ID: SW - 2 (6.0') (H253071-13)

RTFY 8021R

B1EX 8021B	mg,	кg	Апануге	a 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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	71.1	% 40.6-15	3						

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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 Sampling Date: 05/21/2025

Project Name:

BTEX 8021B

05/23/2025 Sampling Type: Soil
SOUTH CULEBRA BLUFF UNIT #006 Sampling Condition: Cool & Intact

Project Number: 2707

Sample Received By:

Tamara Oldaker

Project Location: EDDY CO NM

mg/kg

Sample ID: SW - 3 (6.0') (H253071-14)

DILX GOZID	ilig/	9	Allaryzo	u by. 511					
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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	71.2	% 40.6-15	3						

Analyzed By: JH

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Sample Received By:

05/21/2025

Tamara Oldaker

Analytical Results For:

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

Received: 05/22/2025 Sampling Date:

Reported: 05/23/2025 Sampling Type: Soil Project Name: SOUTH CULEBRA BLUFF UNIT #006 Sampling Condition: Cool & Intact

Project Number: 2707

Project Location: EDDY CO NM

Sample ID: SW - 4 (4.0') (H253071-15)

BTEX 8021B	mg/	kg	Analyze	d 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 9	71.5-13	4						
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	Analyze	d 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	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	66.9	% 40.6-15	3						

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05/21/2025

Analytical Results For:

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

Received: 05/22/2025 Sampling Date:

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

Applyzod By: 14

Project Location: EDDY CO NM

Sample ID: SW - 5 (4.0') (H253071-16)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a 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	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyze	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	Analyze	d 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	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	73.8	% 40.6-15	3						

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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 Sampling Date: 05/21/2025 Sampling Type: Soil

Project Name:

SOUTH CULEBRA BLUFF UNIT #006

Sampling Condition: Cool & Intact

Project Number:

Project Location:

2707 EDDY CO NM Sample Received By:

Tamara Oldaker

Sample ID: SW - 6 (6.0') (H253071-17)

BTEX 8021B	mg,	/kg	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	05/23/2025	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d 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	% 44.4-14	25						
Surrogate: 1-Chlorooctadecane	71.8	% 40.6-15	3						

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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 Sampling Date: 05/21/2025 Sampling Type: Soil

Project Name: SOUTH CULEBRA BLUFF UNIT #006

Sampling Type: Soil
Sampling Condition: Cool & Intact

Project Number: 2707

Sample Received By: Cool & Intact
Tamara Oldaker

Project Location: EDDY CO NM

mg/kg

Sample ID: SW - 7 (2.0') (H253071-18)

BTEX 8021B

	<u> </u>			. ,					
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	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d 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	Analyze	d 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	% 44.4-14	7.5						
Surrogate: 1-Chlorooctadecane	69.5	% 40.6-15	3						

Analyzed By: JH

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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 05/23/2025 Sampling Date: 05/21/2025

Reported: Project Name: SOUTH CULEBRA BLUFF UNIT #006 Sampling Type: Soil

Project Number: 2707 Sampling Condition: Sample Received By:

Cool & Intact Tamara Oldaker

Project Location: EDDY CO NM

Sample ID: SW - 8 (4.0') (H253071-19)

BTEX 8021B	mg/	/kg	Analyze	d 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 9	% 71.5-13	4						
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	Analyze	d 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	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	71.3	% 40.6-15	3						

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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 Sampling Date: 05/21/2025 Sampling Type: Soil

Project Name:

BTEX 8021B

SOUTH CULEBRA BLUFF UNIT #006

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Project Number:

2707

Project Location: EDDY CO NM

Sample ID: SW - 9 (4.0') (H253071-20)

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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d 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	Analyze	d 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	% 44.4-14	5						

Analyzed By: JH

 Surrogate: 1-Chlorooctane
 83.8 %
 44.4-143

 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 Sampling Date: 05/21/2025 Sampling Type: Soil

Project Name: SOUTH CULEBRA BLUFF UNIT #006
Project Number: 2707

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Project Location: EDDY CO NM

mg/kg

Sample ID: SW - 10 (2.0') (H253071-21)

BTEX 8021B

	9,	9	7	7: :					
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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	91.0	% 40.6-15	3						

Analyzed By: JH

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



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

25 Sampling Date: 05/21/2025 25 Sampling Type: Soil

Project Name: SOUTH
Project Number: 2707

SOUTH CULEBRA BLUFF UNIT #006 Sampling Condition: Cool & Intact
2707 Sample Received By: Tamara Oldaker

Project Location: EDDY CO NM

mg/kg

Sample ID: SW - 11 (2.0') (H253071-22)

BTEX 8021B

	9,	9	7	7: 5::					
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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed 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	Analyze	ed 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	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	83.9	% 40.6-15	3						

Analyzed By: JH

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

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

Received: 05/22/2025 Reported:

Sampling Date: 05/21/2025 Soil

Project Name:

05/23/2025 Sampling Type: SOUTH CULEBRA BLUFF UNIT #006 Sampling Condition:

Project Number: 2707 Sample Received By:

Cool & Intact Tamara Oldaker

Project Location: EDDY CO NM

Sample ID: SW - 12 (6.0') (H253071-23)

BTEX 8021B	mg/	'kg	Analyze	d 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	97.9	% 71.5-13	4						
Chloride, SM4500Cl-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	Analyze	d 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	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	84.5	% 40.6-15	3						

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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 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: SW - 13 (6.0') (H253071-24)

BTEX 8021B	mg,	'kg	Analyze	d 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	% 71.5-13	4						
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	Analyze	d 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	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	92.2	% 40.6-15	3						

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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 Sampling Date: 05/21/2025 Sampling Type: Soil

Project Name:

RTFY 8021R

SOUTH CULEBRA BLUFF UNIT #006

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Project Number: 2707

Project Location: EDDY CO NM

Sample ID: SW - 14 (6.0') (H253071-25)

BIEX 8021B	mg	/кд	Anaiyze	a 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	98.9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	93.3	% 40.6-15	3						

Applyzod By: 14

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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 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

Applyzod By: 14

Project Location: EDDY CO NM

Sample ID: SW - 15 (6.0') (H253071-26)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d 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	Analyze	d 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	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	90.3	% 40.6-15	3						

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Celey D. Keine



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

05/23/2025 SOUTH CULEBRA BLUFF UNIT #006 S

Project Name: SOUT Project Number: 2707

Project Location: EDDY CO NM

mg/kg

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

DILX GOZID	11197	ng .	Alldiyzo	.u by. 511					
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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed 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	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	89.6	% 40.6-15	3						

Analyzed By: JH

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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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Celeg D. Freene

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

Date 05012020 Rev. 2020.

20014

Chain of Custody

Ashton Thielke Bill to: (if different) Carmona Resources Program: UST/PST PRP Brownfields RRC Upperfund State of Project: Reporting: Level III Level III Level III Level III Level III Deliverables: EDD ADaPT Other:		Court Chichia D	
Ashton Thielke Carmona Resources Company Name: 310 West Wall Ste. 500 Address: Midland, TX 79701 City, State ZIP: 432-813-8988 Email: ThielkeA@Carmonaresources.com		South Culobra B	ame.
Ashton Thielke Carmona Resources Carmona Resources Company Name: 310 West Wall Ste. 500 Midland, TX 79701 City, State ZIP: Carmona Resources Company Name: City, State ZIP:			
Ashton Thielke Carmona Resources Company Name: 310 West Wall Ste. 500 Midland, TX 79701 City, State ZIP:		432-813-8988	
Ashton Thielke Carmona Resources Company Name: 310 West Wall Ste. 500 Address: Midland, TX 79701 City State 715.	City, State ZIF.		Section of the same
Ashton Thielke Carmona Resources Company Name: 310 West Wall Ste. 500 Address:	OF Oth 7D.	Midland, TX 79701	te ZIP:
Ashton Thielke Carmona Resources Carmona Resources Company Name: 310 West Wall Ste. 500 Address:	indicas.		
Ashton Thielke Carmona Resources Company Name: Carmona Resources	Ardrass:	310 West Wall Ste.	
Ashton Thielke Bill to: (# different) Carmona Resources Company Name:			
Ashton Thielke Bill to: (if different) Carmona Resources	Company Name:	Carmona Resources	y Name:
Ashton Thielke	Califiona Resources		
	Rill to: (if different	Ashton Thielke	Manager:

SAMPLE RECEIPT Received Intact:

Temp Blank: Yes No

Sampler's Name: Project Location Project Number:

Eddy Co, New Mexico

Due Date: Routine

24 HB

√ Rush

TAT starts the day received by the lab, if received by 4:30pm

Yes

No

Parameters

BTEX 8021B

TPH 8015M (GRO + DRO + MRO)

Chloride 4500

HOLD

NaOH+Ascorbic Acid: SAPC Zn Acetate+NaOH: Zn Na2S2O3: NaSO3 NaHSO₄: NABIS H₃PO₄; HP

Sample Comments

H₂S0₄: H₂ HCL: HC

HNO3: HN

NaOH: Na

Cool: Cool None: NO

Prescrvative Codes

DI Water: H₂O MeOH: Me

40

JDC

2707

Phone: City, Sta

Address

Sample Custody Seals:

Sample Identification

Date

Time

Soil

Water

Grab/

Comp

of Cont

CS-22 (6')

CS-21 (6') CS-20 (6') CS-19 (6") CS-18 (6') CS-17 (6")

5/21/2025

5/21/2025

5/21/2025

Comp Comp Comp

Comp

5/21/2025 5/21/2025

CS-23 (6')

CS-25 (6') CS-24 (6')

CS-26 (6')

5/21/2025

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

Comp Comp Comp

5/21/2025 5/21/2025

×

Comp Comp Comp

×

×

× × × × × ×

> × × × \times ×

×

 \times \times

 \times × × × ×

5/21/2025 5/21/2025 ooler Custody Seals:

Yes No NA Yes No

> Thermometer ID: Yes No Wet Ice

NIA

Temperature Reading: Correction Factor:

Corrected Temperature:

Page 30 of 32

Work Order No:

Chain of Custody

Work Order No: HBS 3071

Project Manager: Company Name: Address: City, State ZIP: Phone: Project Name: Project Number: Project Location Sampler's Name: PO #:	shton Thinarmona R armona R 0 West V idland, TV 2-813-89 South C		Email: Turn Routine Due Date: TAT starts the lab, if recei	Bill to: (if d Company Address: City, State ThielkeA Around	ers Code Code	Car	Carmona Resources	esource		ANAI	Progr State Report Delive	REQUI	Work Order Comn Program: UST/PST PRP Brownfield: State of Project: Reporting:Level III Level III PST/UST Deliverables: EDD ADaPT J UEST . None: Hz,So,2	m: US of Proj ng:Lev ables:	T//PS:		e RP	ADa Do Bro	Brownfiel Brownfiel BST/US: ADaPT Non Coo HCI H ₂ S		Work Order Comments Program: UST/PST PRP Brownfields RRC Upperfur State of Project: Reporting:Level III Level III PST/UST TRRP Level IV Deliverables: EDD ADaPT Other: Deliverables: EDD Mone: NO DI Water: I
SAMPLE RECEIPT Received Intact: Cooler Custody Seals:	Temp Bla	Yes No. We Thermometer ID: Correction Facto	Wet Ice: er ID:	Yes No	Parameters	EX 802 B	GRO + DRO +	oride 4500					Y .)				HOLD		
Cooler Custody Seals: Sample Custody Seals:	Yes No NIA	Correction Factor:	actor:	38.0t	Pa	BTEX	M (GR	Chlorid				V.							ног		
Total Containers:		Corrected T	Corrected Temperature:	-3.12			80151	(1					Z Z	Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC
Sample Identification	fication Date	Time	Soil	Water Comp	/ # of Cont		TPH														Sample Comments
CS-27 (6')	5/21/2025		×	Comp	p 1	×	×	×	+	+		1	4	+	\perp	4			+		
SW-1 (6.0')	0') 5/21/2025		×	Comp	p 1	×	×	×	-	+		4	+		4	4	- 1		+	+	
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SW-4 (4.0')	0') 5/21/2025		×	Comp	p 1	×	×	×				4	+	+	+	4			+	+	
SW-5 (4.0')	0') 5/21/2025		×	Comp	p 1	×	×	×	+	1		4	+	+	+	1			+	+	
SW-6 (6.0')	0') 5/21/2025		×	Comp	p 1	×	×	×	\dashv	+		4	+	+	+	4			+	+	
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SW-8 (4.0')	0') 5/21/2025		×	Comp	1	×	×	×	+	1		4	+	+	+	4					
SW-9 (4.0')	0') 5/21/2025		×	Comp	1	×	×	×	\vdash	H		Ц	\vdash	+	-						
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Page 31 of 32

Chain of Custody

Work Order No: HAS 3071

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Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

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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

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

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

Authorization

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

Eurofins Midland is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

Released to Imaging: 9/4/2025 2:24:41 PM

Client: Carmona Resources Project/Site: South Culebra Bluff Unit #006 Laboratory Job ID: 880-58519-1 SDG: Eddy Co, New Mexico

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Definitions/Glossary

Job ID: 880-58519-1 Client: Carmona Resources Project/Site: South Culebra Bluff Unit #006

SDG: Eddy Co, New Mexico

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description**

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

HPLC/IC

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

74 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**

Detection Limit (DoD/DOE) DΙ

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 Method Quantitation Limit MQL

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NFG 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)

Relative Percent Difference, a measure of the relative difference between two points RPD

TEF Toxicity Equivalent Factor (Dioxin) TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Job ID: 880-58519-1

Case Narrative

Client: Carmona Resources

Project: South Culebra Bluff Unit #006

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

Client Sample ID: CS-3 (6.25') Date Collected: 05/22/25 00:00

Date Received: 05/23/25 08:23

Job ID: 880-58519-1 SDG: Eddy Co, New Mexico

Lab Sample	ID:	880-58519-1
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Matrix: Solid

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	
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/23/25 14:25	05/24/25 02:27	
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/23/25 14:25	05/24/25 02:27	
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/23/25 14:25	05/24/25 02:27	
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/23/25 14:25	05/24/25 02:27	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	93		70 - 130				05/23/25 14:25	05/24/25 02:27	
1,4-Difluorobenzene (Surr)	99		70 - 130				05/23/25 14:25	05/24/25 02:27	
Method: TAL SOP Total BTEX - 1	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/24/25 02:27	•
Method: SW846 8015 NM - Diese			•						
Analyte		Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/23/25 20:35	,
Method: SW846 8015B NM - Dies	sel Range Orga	nics (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	,
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/22/25 15:47	05/23/25 20:35	•
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane (Surr)	125		70 - 130				05/22/25 15:47	05/23/25 20:35	
o-Terphenyl (Surr)	122		70 - 130				05/22/25 15:47	05/23/25 20:35	
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
			10.0					05/23/25 21:17	

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 Limit
		BFB1	DFBZ1	
ab Sample ID	Client Sample ID	(70-130)	(70-130)	
80-58519-1	CS-3 (6.25')	93	99	
80-58543-A-1-A MS	Matrix Spike	102	107	
880-58543-A-1-B MSD	Matrix Spike Duplicate	100	100	
.CS 880-110861/1-A	Lab Control Sample	100	103	
.CSD 880-110861/2-A	Lab Control Sample Dup	99	103	
MB 880-110716/5-A	Method Blank	100	91	
//B 880-110861/5-A	Method Blank	100	84	
Surrogate Legend				

DFBZ = 1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Range Organics (DRO) (GC)

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

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(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)

Client: Carmona Resources Job ID: 880-58519-1 Project/Site: South Culebra Bluff Unit #006 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

	MB	MB							
Analyte	Result	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

MB MB

Surrogate	%Recovery	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

Client Sample ID: Method Blank

Matrix: Solid	Prep Type: Total/NA
Analysis Batch: 110788	Prep Batch: 110861
MB MB	

Analyte	Result	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

MB MB

Surrogate	%Recovery	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**

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%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	

LCS LCS

Surrogate	%Recovery 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

Analyte

Benzene

Analysis Batch: 110788

Client Sa	mple ID: I	Lab Contro	ol Sample	Dup
		D	T	LALA

%Rec

109

Prep Type: Total/NA **Prep Batch: 110861**

RPD %Rec RPD Limits Limit 70 - 130 5

Eurofins Midland

LCSD LCSD

0.1094

Result Qualifier

Unit

mg/Kg

Spike

Added

0.100

Job ID: 880-58519-1 Client: Carmona Resources Project/Site: South Culebra Bluff Unit #006 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**

%Rec **RPD** Unit %Rec Limits **RPD** Limit D 94 70 - 130 35 mg/Kg 0

Analyte Added Result Qualifier Toluene 0.100 0.09403 Ethylbenzene 0.100 0.09842 mg/Kg 98 70 - 130 2 35 0.200 0.2039 mg/Kg 70 - 130 2 35 m,p-Xylenes 102 o-Xylene 0.100 0.1019 mg/Kg 102 70 - 130 3 35

LCSD LCSD

Spike

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-58543-A-1-A MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 110788

Prep Type: Total/NA

Prep Batch: 110861

MS MS Sample Sample Spike %Rec Qualifier Analyte Result Added Result Qualifier Unit %Rec Limits Benzene 0.1058 <0.00200 U 0.100 mg/Kg 106 70 - 130 Toluene <0.00200 0.100 0.08583 86 70 - 130 U mg/Kg 0.100 0.08588 70 - 130 Ethylbenzene < 0.00200 mg/Kg 86 <0.00399 U 0.200 0.1766 88 70 - 130 m,p-Xylenes mg/Kg o-Xylene <0.00200 U 0.100 0.08653 mg/Kg 87 70 - 130

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	102	70 - 130
1,4-Difluorobenzene (Surr)	107	70 - 130

Lab Sample ID: 880-58543-A-1-B MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 110788

Prep Type: Total/NA Prep Batch: 110861

Sample Sample MSD MSD RPD Spike %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit 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 35 Ethylbenzene <0.00200 0.100 0.09278 mg/Kg 93 70 - 130 35 <0.00399 U 0.200 0.1929 96 70 - 130 35 m,p-Xylenes mg/Kg o-Xylene <0.00200 U 0.100 0.09492 mg/Kg 95 70 - 130 35

MSD MSD

мв мв

Qualifier

Result

<50.0 U

Surrogate	%Recovery	Quaimer	Limits
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

Gasoline Range Organics

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

Prepared

05/22/25 15:47

Prep Batch: 110775

Analyzed Dil Fac 05/23/25 18:35

(GRO)-C6-C10

Analyte

Eurofins Midland

RL

50.0

MDL Unit

mg/Kg

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 I	D: Method	Blank
-----------------	-----------	-------

Prep Type: Total/NA

Prep Batch: 110775

	IND	14.15							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		05/22/25 15:47	05/23/25 18:35	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/22/25 15:47	05/23/25 18:35	1

MB MB

MR MR

Surrogate	%Recovery	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

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 880-110775/2-A Matrix: Solid Prep Type: Total/NA

Analysis Batch: 110847 **Prep Batch: 110775**

	Spike	LUS	LUS				/orec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Gasoline Range Organics	1000	1182		mg/Kg		118	70 - 130
(GRO)-C6-C10							
Diesel Range Organics (Over	1000	1121		mg/Kg		112	70 - 130
C10-C28)							

LCS LCS

Surrogate	%Recovery	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: Lal	Control Sample Dup
-----------------------	--------------------

Prep Type: Total/NA

Prep Batch: 110775

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	1208		mg/Kg		121	70 - 130	2	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	1126		mg/Kg		113	70 - 130	0	20
C10-C28)									

	LCSD	LCSD	
Surrogate	%Recovery	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	Snike
Ciletit	Jailiple	ID.	IVIALI IA	SUINE

Prep Type: Total/NA Prep Batch: 110775

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	<49.9	U	999	969.3		mg/Kg		97	70 - 130	
(GRO)-C6-C10										
Diesel Range Organics (Over	<49.9	U	999	958.1		mg/Kg		93	70 - 130	
C10 C20)										

C10-C28)

	IVIS	IVIS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	126		70 - 130
o-Terphenyl (Surr)	115		70 - 130

Client: Carmona Resources Job ID: 880-58519-1 Project/Site: South Culebra Bluff Unit #006 SDG: Eddy Co, New Mexico

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

Lab Sample ID: 890-8192-A-12-K MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 110847

Prep Type: Total/NA

Prep Batch: 110775

Sample Sample Spike MSD MSD RPD Result Qualifier RPD Limit Analyte Added Result Qualifier Unit %Rec Limits Gasoline Range Organics <49.9 U 999 963.7 mg/Kg 96 70 - 130 20 (GRO)-C6-C10 999 Diesel Range Organics (Over <49.9 U 971.9 mg/Kg 94 70 - 130

C10-C28)

MSD MSD

Surrogate	%Recovery	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 Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 110916

мв мв

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	mg/l	(g		05/23/25 20:56	1

Lab Sample ID: LCS 880-110862/2-A **Client Sample ID: Lab Control Sample Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 110916

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	254.6		mg/Kg		102	90 - 110	 -

Lab Sample ID: LCSD 880-110862/3-A Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 110916

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	250	255.2		mg/Kg		102	90 - 110	0	20	

Lab Sample ID: 880-58519-1 MS Client Sample ID: CS-3 (6.25') **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 110916

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	120		251	393.2		mg/Kg		109	90 - 110	

Lab Sample ID: 880-58519-1 MSD Client Sample ID: CS-3 (6.25') **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 110916

-	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	120		251	396.0		mg/Kg		110	90 - 110	1	20

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 880-58519-1	Client Sample ID CS-3 (6.25')	Prep Type Total/NA	Matrix Solid	Method 8015NM Prep	Prep Batch
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	

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 880-58519-1	Client Sample ID CS-3 (6.25')	Prep Type Soluble	Matrix Solid	Method DI Leach	Prep Batch
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

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Lab Chronicle

Client: Carmona Resources

Project/Site: South Culebra Bluff Unit #006

SDG: Eddy Co, New Mexico

Job ID: 880-58519-1

Lab Sample ID: 880-58519-1

Matrix: Solid

Client Sample ID: CS-3 (6.25')

Date Collected: 05/22/25 00:00 Date Received: 05/23/25 08:23

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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		am	Identification Number	Expiration Date	
Texas	NELA	Р	T104704400	06-30-25	
	are included in this report, but ses not offer certification.	it the laboratory is not certif	fied by the governing authority. This lis	t may include analytes	
Analysis Method	Prep Method	Matrix	Analyte		
8015 NM		Solid	Total TPH		
Total BTEX		Solid	Total BTEX		

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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

Chain of Custody

13

SAMPLE RECEIPT Sampler's Name Project Number: Phone: City, State ZIP. Project Location Company Name: Project Manager: Cooler Custody Seals: Received Intact: Project Name: Sample Custody Seals: Relinquished by: (Signature) Sample Identification CS-3 (6.25') Ashton Thielke 432-813-8988 Midland, TX 79701 310 West Wall Ste. 500 Carmona Resources South Culebra Bluff Unit #006 Eddy Co, New Mexico Yes Yes Yes emp Blank: No 8 ğ 5/22/2025 No Date X Correction Factor: Thermometer ID: Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com Corrected Temperature: Temperature Reading: Yes (No. Received by: (Signature) Time Due Date: Routine TAT starts the day received by the lab, if received by 4:30pm Wet Ice: Soil × Turn Around ThielkeA@Carmonaresources.com Bill to: (if different) City, State ZIP: Company Name Water ✓ Rush 24 HR Comp Comp Grab/ Ż Cont # of **Parameters** 23-25 Date/Time Carmona Resources × **BTEX 8021B** TPH 8015M (GRO + DRO + MRO) Chloride 300.0 Relinquished by: (Signature) ANALYSIS REQUEST State of Project Deliverables: EDD Reporting:Level II Level III PST/UST Program: UST/PST PRP Brownfields RRC Received by: (Signature) **Work Order Comments** ADaPT HOLD H₂S0₄: H₂ HCL: HC NaHSO₄: NABIS NaOH+Ascorbic Acid: SAPC Na2S2O3: NaSO3 H3PO4: HP Zn Acetate+NaOH: Zn Cool: Cool None: NO Preservative Codes Sample Comments RRP Other: Revised Date 05012020 Rev. 2020. Date/Time МеОН: Ме HNO3: HN DI Water: H₂O ☐ Level IV ☐ NaOH: Na □uperfund □ 으

	Work	
880-58519 Chain of Custody		
Custody		

Page 18 of 19

Login Sample Receipt Checklist

Client: Carmona Resources Job Number: 880-58519-1

SDG Number: Eddy Co, New Mexico

Login Number: 58519 List Source: Eurofins Midland List Number: 1

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	N/A	

<6mm (1/4").



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 accreditated through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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 Sampling Date: Reported: 06/02/2025 Sampling Type:

Project Name: SOUTH CULEBRA BLUFF UNIT #006 Samplin

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)

BTEX 8021B	mg,	/kg	Analyze	d 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 BTEX	<0.300	0.300	05/30/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	76.8	% 40.6-15	3						

A I J D. ... 711

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Keene

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

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Work Order No:	
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	Ashton Thielke				Bill to: (if different)	erent)	10	Carmona Resources	Resou	rces							×	ork O	der C	Work Order Comments	S		
Company Name:	Carmona Resources	ırces			Company Name	lame:								Pro	gram:	UST/P	ST 🗆	RP	βrown	Program: UST/PST ☐PRP ☐Brownfields ☐RRC	RRC	_uperfund	
	310 West Wall Ste. 500	Ste. 500			Address:									Sta	State of Project:	roject:]	
te ZIP:	Midland, TX 79701	701			City, State ZIP	ZIP:								Re	orting:	Level II	Reporting: Level III Level III PST/UST	el III	PST/		FRRP	Level IV	
	432-813-8988			Email:	ThielkeA@Carmonaresources.com	®Carmo	naresou	rces.co	M					De	Deliverables: EDD	es: ED			ADaPT		Other:		<u></u>
Project Name:	South Cule	South Culebra Bluff Unit #006	£006	Turn	Turn Around							ANALY	SIS R	SIS REQUEST	ST					Pres	ervati	Preservative Codes	
Project Number	£	2707		Routine	✓ Rush	1000000	Pres. Code		1											None: NÖ		DI Water: H ₂ O	
Project Location	Eddy Co	Eddy Co, New Mexico		Due Date:	24 HR	R			')				-			,				Cool: Cool		MeOH: Me	
Sampler's Name:		JDC		TAT starts the day received by the	day received	by the			WRC	-									16	HCL: HC		HNO ₃ : HN	
PO #:				lab, if recei	ived by 4:3up) B	ers		0 + 1											H ₂ S0 ₄ : H ₂		NaOH: Na	_
SAMPLE RECEIPT		Temp Blank:	Yes (Nn) Wet Ice:	Wet Ice:	Yes	No	nete		DR0			1		-			*			H ₃ PO ₄ : HP	1		
Received Intact:			Thermometer ID:	r ID:	#14	6	araı	(802			2			_		-			OLE	NaHSO ₄ : NABIS	NABIS		
Cooler Custody Seals:	Yes	No (N/A	Correction Factor:	actor:	to	C	P													Na ₂ S ₂ U ₃ : NaSU ₃	NaSO ₃	:	
Sample Custody Seals:	Yes	No N/A	Temperature Reading:	Reading:	2,0	3														Zn Acetate+NaUH: Zn	e+NaO	A SIAL SADO	
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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:	OGRID:
CHEVRON U S A INC	4323
6301 Deauville Blvd	Action Number:
Midland, TX 79706	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 fo	or 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)

CHEVRON U S A INC	4323
6301 Deauville Blvd	Action Number:
Midland, TX 79706	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 se	afety 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.
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative c ed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releathe OCD does not relieve the operator of liability should their operations have failed to a	nowledge and understand that pursuant to OCD rules and regulations all operators are required uses which may endanger public health or the environment. The acceptance of a C-141 report by idequately investigate and remediate contamination that pose a threat to groundwater, surface a does not relieve the operator of responsibility for compliance with any other federal, state, or
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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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS, Page 3

Action 479266

QUESTIONS (continued)

Operator:	OGRID:
CHEVRON U S A INC	4323
6301 Deauville Blvd	Action Number:
Midland, TX 79706	479266
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approva release discovery date.	l and beyond). This information must be provided to the appropriate district office no later than 90 days after the
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		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
Requesting a remediation plan approval with this submission	Yes	
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination as	ssociated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
Chloride (EPA 300.0 or SM4500 Cl B)	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	
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.		
On what estimated date will the remediation commence	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	
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.		

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 479266

QUESTIONS (continued)

Operator:	OGRID:
CHEVRON U S A INC	4323
6301 Deauville Blvd	Action Number:
Midland, TX 79706	479266
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Remediation Plan (continued)		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:		
(Select all answers below that apply.)		
Yes		
fEEM0112342028 LEA LAND LANDFILL		
Not answered.		

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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

Name: Kennedy Lincoln Title: Environmental Specialist I hereby agree and sign off to the above statement Email: kennedy.lincoln@chevron.com Date: 06/26/2025

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

QUESTIONS, Page 5

Action 479266

QUESTIONS (continued)

Operator:	OGRID:
CHEVRON U S A INC	4323
6301 Deauville Blvd	Action Number:
Midland, TX 79706	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:	OGRID:
CHEVRON U S A INC	4323
6301 Deauville Blvd	Action Number:
Midland, TX 79706	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 remedaition 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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QUESTIONS, Page 7

Action 479266

QUESTIONS (continued)

Operator:	OGRID:
CHEVRON U S A INC	4323
6301 Deauville Blvd	Action Number:
Midland, TX 79706	479266
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)
QUESTIONS	
Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
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
	our feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 er must include a top layer, which is either the background thickness of topsoil or one foot of suitable material
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeding 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.
	clamation requirements and any conditions or directives of the OCD. This demonstration should be in the form field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13
The character of the state of t	and decorded that are desired that are seen the OOD and a conduction of the original transfer or the original transfer of the original transfer of the original transfer of the original transfer or
to report and/or file certain release notifications and perform corrective actions for releas the OCD does not relieve the operator of liability should their operations have failed to a water, human health or the environment. In addition, OCD acceptance of a C-141 report	nowledge and understand that pursuant to OCD rules and regulations all operators are required es which may endanger public health or the environment. The acceptance of a C-141 report by dequately investigate and remediate contamination that pose a threat to groundwater, surface does not relieve the operator of responsibility for compliance with any other federal, state, or ally restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed g notification to the OCD when reclamation and re-vegetation are complete.

Name: Kennedy Lincoln Title: Environmental Specialist

Date: 06/26/2025

Email: kennedy.lincoln@chevron.com

I hereby agree and sign off to the above statement

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QUESTIONS, Page 8

Action 479266

QUESTIONS (continued)

Operator:	OGRID:
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	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Revegetation Report			
Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.			
Requesting a restoration complete approval with this submission	No		
Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.			

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CONDITIONS

Action 479266

CONDITIONS

Operator:	OGRID:
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6301 Deauville Blvd	Action Number:
Midland, TX 79706	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