

CARMONA RESOURCES



SITE INFORMATION

Deferral Report
Marquardt 12-13 Federal Com 11H (06.01.2025)
Incident ID: nAPP2515327422
Eddy County, New Mexico
Unit D Sec 12 T25S R26E
32.14901°, -104.24791°

Point of Release: Equipment failure of a 2-inch carbon steel nipple located below the water dump on the separator

Release Date: 06.01.2025

Volume Released: 100 Barrels of Produced Water

Volume Recovered: 35 Barrels of Produced Water

CARMONA RESOURCES



Prepared for:
Cimarex Energy Co. of Colorado
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July 29, 2025

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

Re: Deferral Report
Marquardt 12-13 Federal Com 11H (06.01.2025)
Incident ID: nAPP2515327422
Cimarex Energy Co. of Colorado
Site Location: Unit D, S12, T25S, R26E
(Lat 32.14901°, Long -104.24791°)
Eddy County, New Mexico

Mr. Bratcher:

On behalf of Cimarex Energy Co. of Colorado (Cimarex), Carmona Resources, LLC has prepared this letter to document site assessment and remediation activities for the Marquardt 12-13 Federal Com 11H release. The site is located at 32.14901°, -104.24791° within Unit D, S12, T25S, R26E, in Eddy County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the Notification of Release (NOR) obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on June 1, 2025, due to equipment failure of a 2-inch carbon steel nipple located below the water dump on the separator. It resulted in approximately one hundred (100) barrels of produced water to be released, with twenty (35) barrels of produced water recovered. The spill boundaries are shown in Figure 3. The Notification of Release form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a high karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there are no known water sources within a 0.50-mile radius of the location. The nearest groundwater determination bore is approximately 1.23 miles Northeast of the site in S06, T25S, R27E, and was drilled in 2023. The soil bore was drilled to a depth of 60 feet below the ground surface (ft bgs), no evidence of groundwater was detected. A copy of the summary report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

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

4.0 Site Assessment Activities

Initial Assessment

On June 10, 2025, Carmona Resources personnel performed site assessment activities to evaluate soil impacts stemming from the release. A total of four (4) trench samples (T-1 through T-4) and eight (8) horizontal samples (H-1 through H-8) were installed to total depths ranging from surface to 4.0 ft bgs 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 Cardinal Laboratories in Hobbs, New Mexico. 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 4500. 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 T-1 and T-4 for Benzene, total BTEX, TPH, and Chloride concentrations. Vertical delineation was not achieved in the areas of T-2 and T-3 due to dense geological formations. These areas were addressed during remediation activities and were vertically delineated via composite floor samples. Refer to Table 1.

Horizontal Delineation

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

5.0 Remediation Activities

Beginning on July 14, 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 July 18, 2025, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The area of T-1 was excavated to a depth ranging between 3.0 ft to 3.25 ft bgs. The areas of T-2 and T-3 were excavated to a depth ranging between 4.5 ft to 4.75 ft bgs. The area of T-4 was excavated to depths of 4.0 ft bgs. A total of twenty-two (22) confirmation floor samples (CS-1 through CS-22) were collected, and nineteen (19) sidewall samples (SW-1 through SW-19) 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. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figures 4A through 4B.

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

Deferment Area

A 2 ft buffer zone on each side of Cimarex's containment walls of the facility will be deferred per 19.15.29.12.C.2 NMAC. To remove all contaminated material, major facility deconstruction would have to take place. Removing soil within that buffer zone could potentially cause structural instability and might result in additional releases in the future as backfill material can shift and settle over time. The deferred areas are defined by the following composite confirmation sidewall samples: SW-3, SW-4, SW-10, SW-11, and SW-14 through SW-17. Approximately 3,600 square feet, with an estimated 600 cubic yards (based off of an average depth of 4.5' bgs), of contamination were left under the secondary containment. Refer to Table 2 and Figure 5.



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 June 5, 2024, before being utilized. The backfill material was sourced from the Fred Beard backfill pit (32.161928°, -104.316363°). Refer to Table 2. Approximately 3,904 square feet of contamination was remediated, resulting in approximately 714 cubic yards of material excavated and transported offsite for proper disposal.

6.0 Conclusions

Based on the area, safety, and active facility equipment, Cimarex requests to defer the chloride impact surrounding the secondary containment of the tank battery. The site has been fully delineated, by way of confirmation sidewall samples during confirmation sampling, to satisfy the requirements of 19.15.29.12.C.2 NMAC. Remediation of the deferred area will be completed during plugging and abandonment activities or when equipment is removed, whichever comes first. Approximately 7,504 square feet, resulting in approximately 600 cubic yards will be remediated and reclaimed during that time. If you have any questions regarding this report or need additional information, please contact us at 432-813-8988.

Sincerely,

Carmona Resources, LLC

Ashton Thielke
Environmental Manager

Gilbert Priego
Project Manager

FIGURES

CARMONA RESOURCES



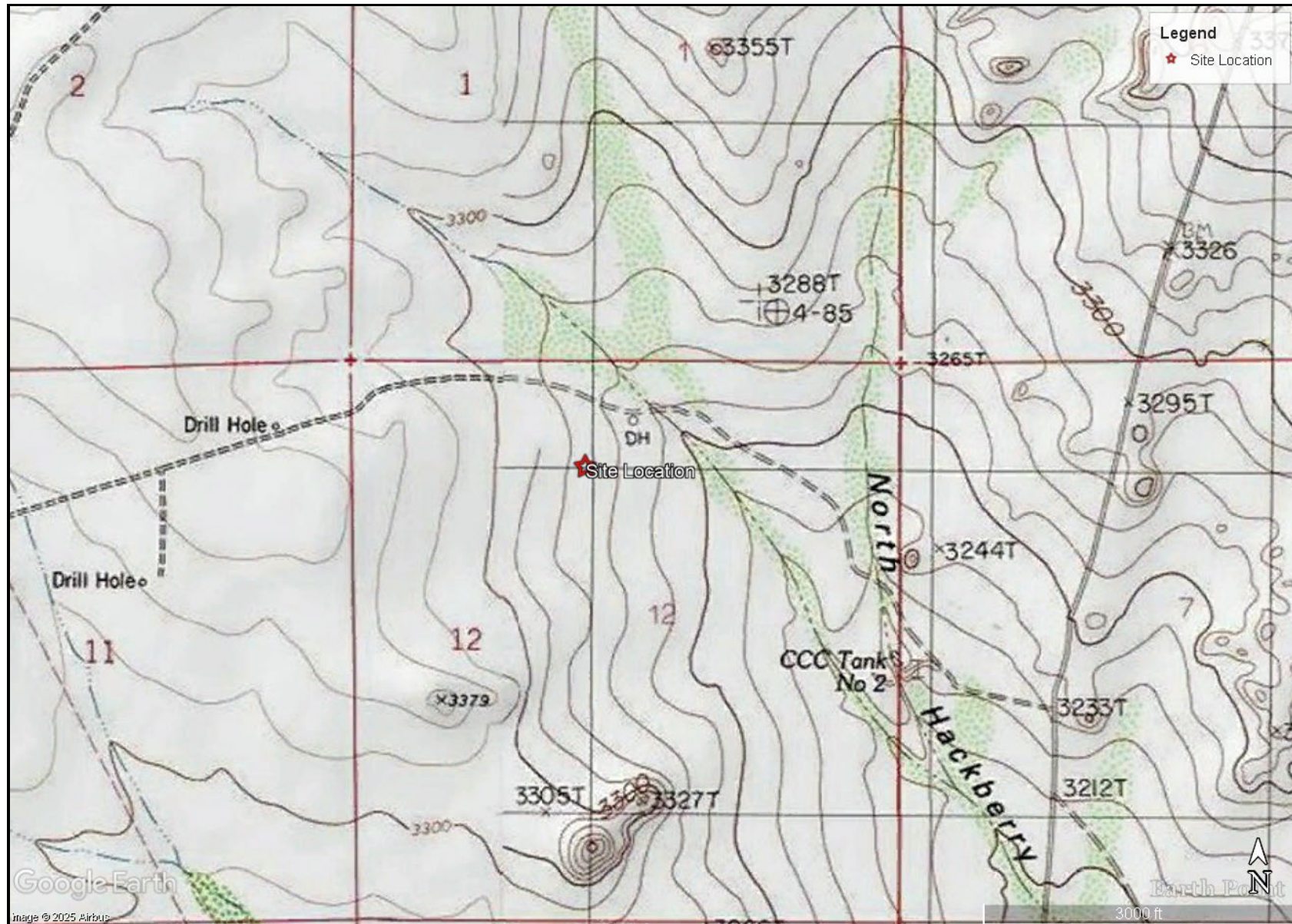


OVERVIEW MAP
CIMAREX ENERGY CO. OF COLORADO
MARQUARDT 12-13 FEDERAL COM 11H
EDDY COUNTY, NEW MEXICO
32.14901°, -104.24791°

CARMONA RESOURCES



FIGURE 1

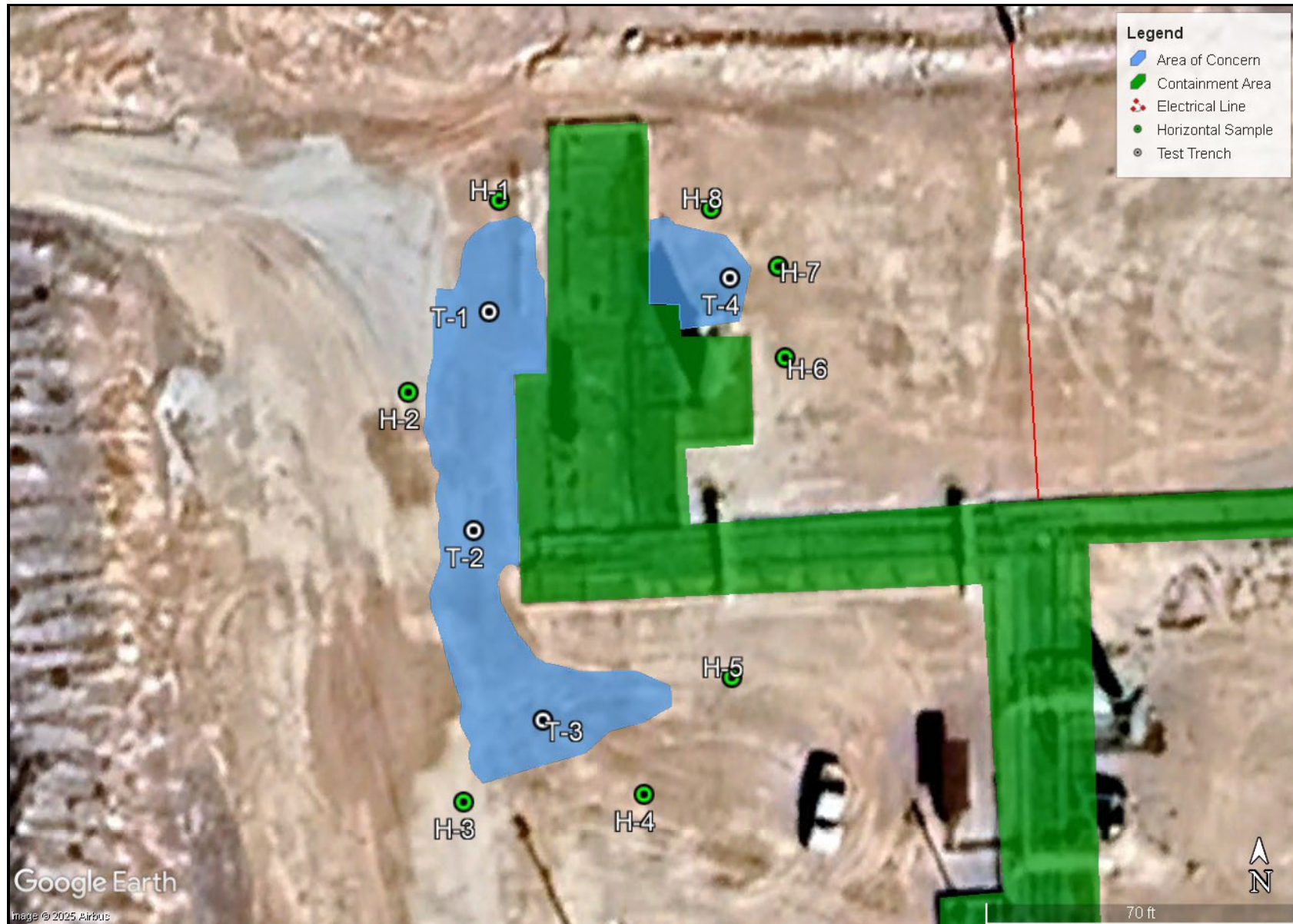


TOPOGRAPHIC MAP
 CIMAREX ENERGY CO. OF COLORADO
 MARQUARDT 12-13 FEDERAL COM 11H
 EDDY COUNTY, NEW MEXICO
 32.14901°, -104.24791°

CARMONA RESOURCES



FIGURE 2

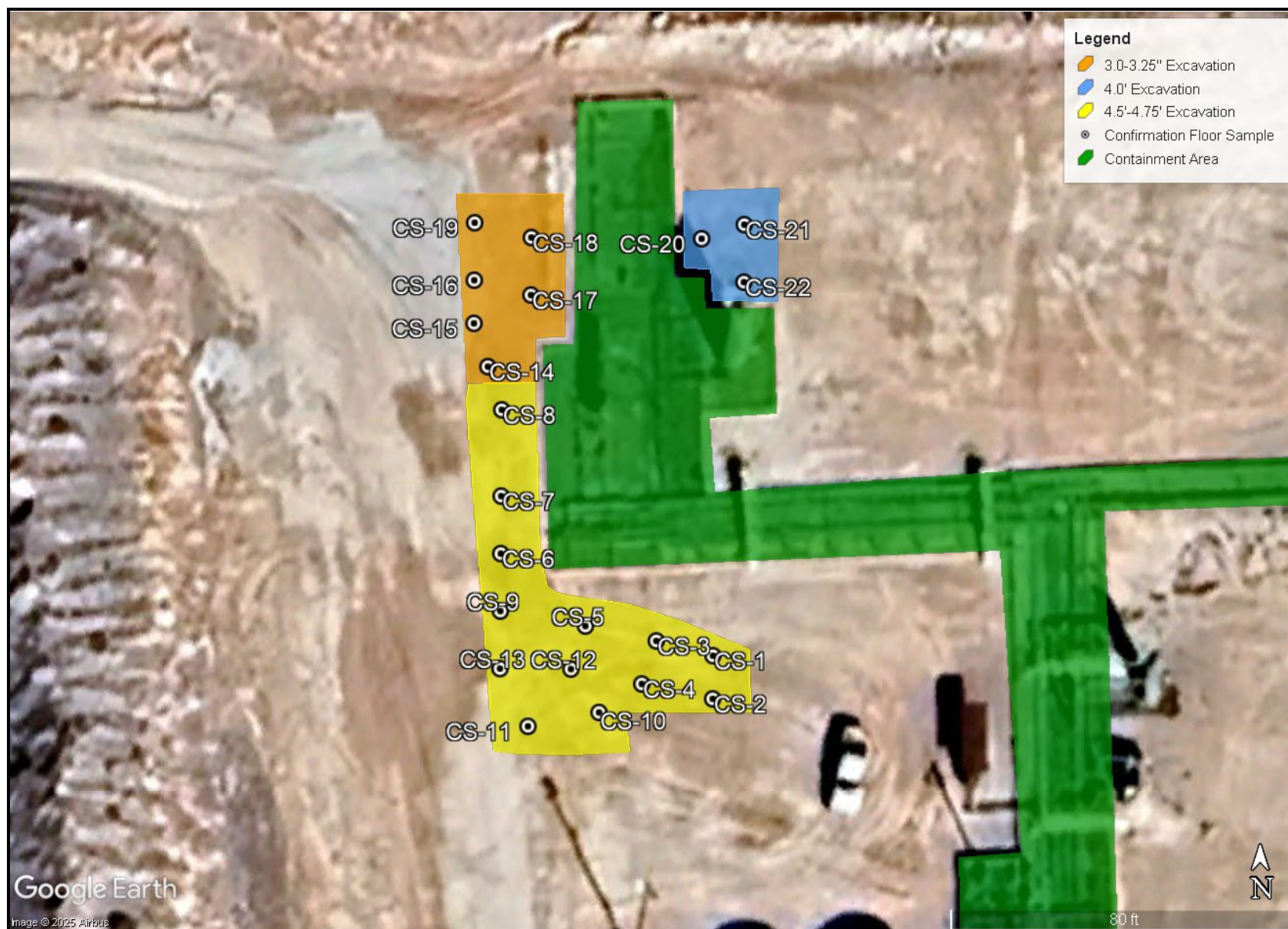


SAMPLE LOCATION MAP
 CIMAREX ENERGY CO. OF COLORADO
 MARQUARDT 12-13 FEDERAL COM 11H
 EDDY COUNTY, NEW MEXICO
 32.14901°, -104.24791°

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FIGURE 3

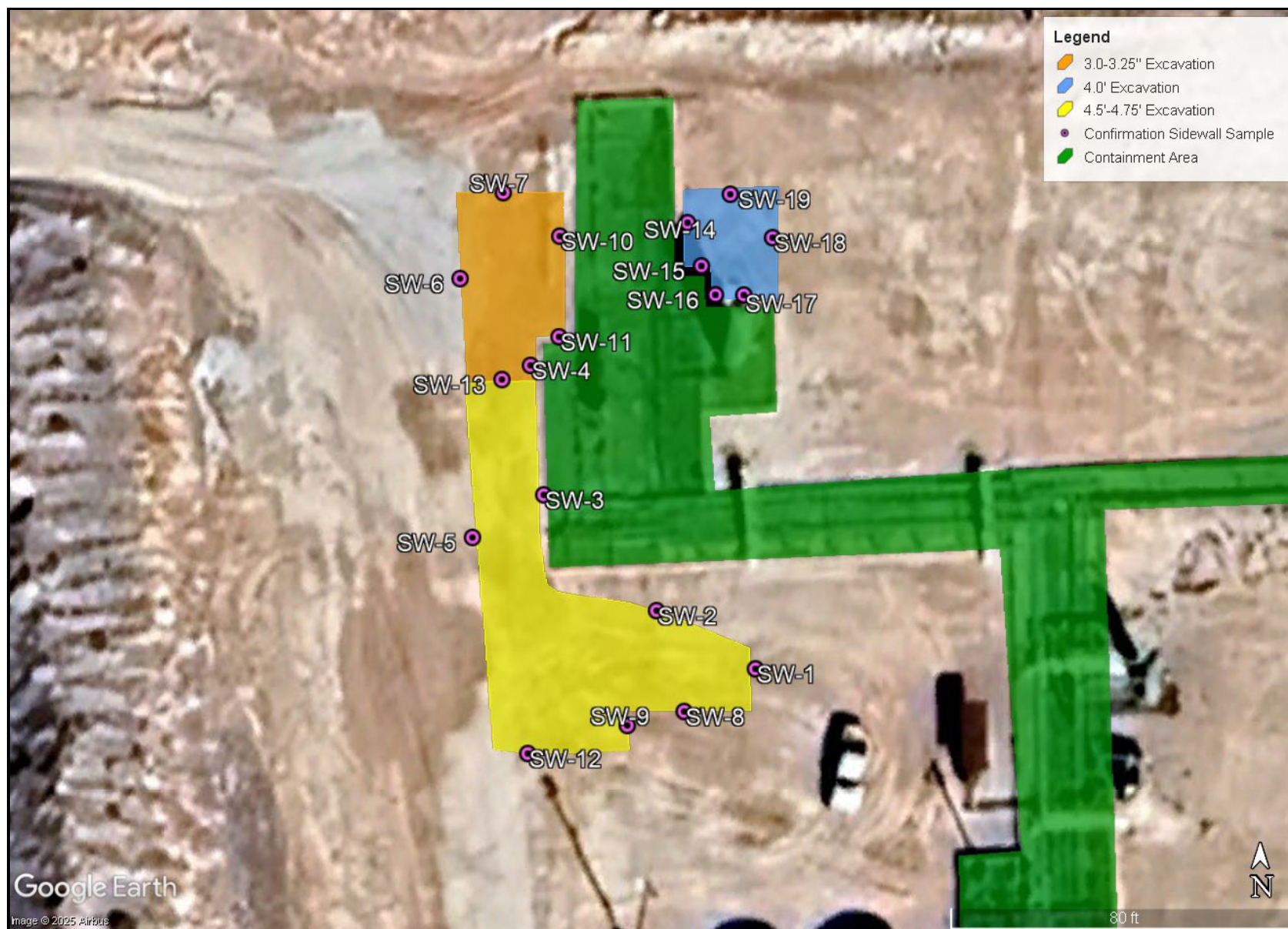


EXCAVATION DEPTH MAP
 CIMAREX ENERGY CO. OF COLORADO
 MARQUARDT 12-13 FEDERAL COM 11H
 EDDY COUNTY, NEW MEXICO
 32.14901°, -104.24791°

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FIGURE 4A

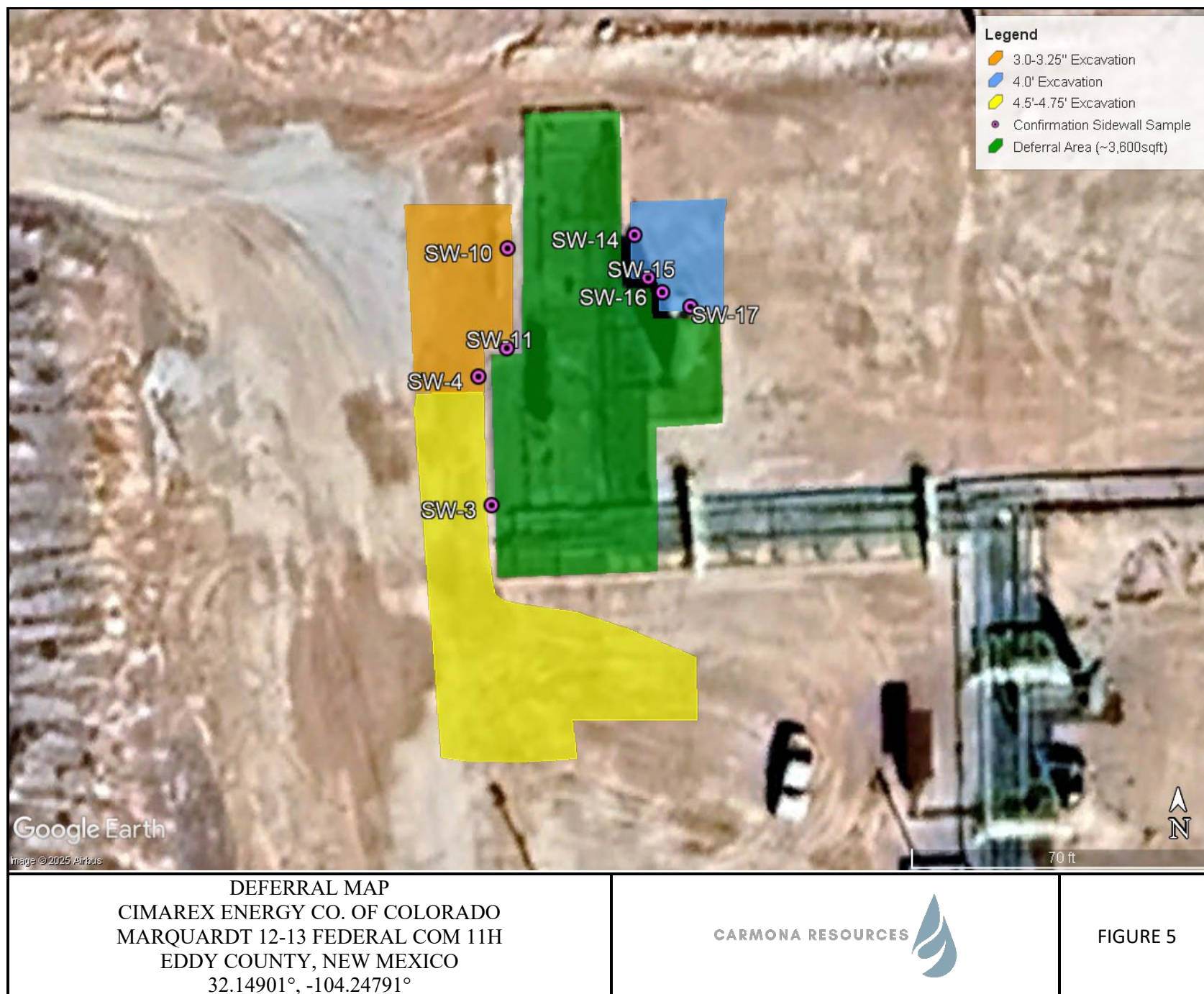


EXCAVATION DEPTH MAP
CIMAREX ENERGY CO. OF COLORADO
MARQUARDT 12-13 FEDERAL COM 11H
EDDY COUNTY, NEW MEXICO
32.14901°, -104.24791°

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FIGURE 4B



APPENDIX A

CARMONA RESOURCES



Table 1
Cimarex Energy Co. of Colorado
Marquardt 12-13 (06.01.2025)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
T-1	6/10/2025	0-1.0'	<10.0	15.9	<10.0	15.9	<0.050	<0.050	<0.050	<0.150	<0.300	7,060
	"	1.5'	<10.0	64.1	<10.0	64.1	<0.050	<0.050	<0.050	<0.150	<0.300	5,600
	"	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,650
	"	3.0' R	<10.0	10.1	<10.0	10.1	<0.050	<0.050	<0.050	<0.150	<0.300	544
T-2	6/10/2025	0-1.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	832
	"	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,440
	"	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,360
	"	3.0' R	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	848
T-3	6/10/2025	0-1.0'	<10.0	467	<10.0	467	<0.050	<0.050	<0.050	<0.150	<0.300	11,400
	"	1.5'	<10.0	36.8	<10.0	36.8	<0.050	<0.050	<0.050	<0.150	<0.300	1,710
	"	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	400
	"	3.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304
	"	4.0' R	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	992
T-4	6/10/2025	0-1.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,660
	"	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,180
	"	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,360
	"	3.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	688
	"	4.0' R	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	480
Regulatory Criteria^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

T - Trench Sample

R - Refusal Due to Dense Geology

Removed

Table 1
Cimarex Energy Co. of Colorado
Marquardt 12-13 (06.01.2025)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
H-1	6/10/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	448
H-2	6/10/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
H-3	6/10/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
H-4	6/10/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	384
H-5	6/10/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
H-6	6/10/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
H-7	6/10/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
H-8	6/10/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
Regulatory Criteria^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(H) - Horizontal Sample

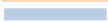
Table 2
Cimarex Energy Co. of Colorado
Marquardt 12-13 (06.01.2025)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	7/21/2025	4.5'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	130
CS-2	7/21/2025	4.5'	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	85.6
CS-3	7/21/2025	4.5'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	98.8
CS-4	7/21/2025	4.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	102
CS-5	7/21/2025	4.5'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	83.7
CS-6	7/21/2025	4.5'	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	93.1
CS-7	7/21/2025	4.5'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	282
CS-8	7/21/2025	4.5'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	276
CS-9	7/21/2025	4.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	100
CS-10	7/21/2025	4.5'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	110
CS-11	7/21/2025	4.5'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	114
CS-12	7/21/2025	4.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	167
CS-13	7/21/2025	4.5'	<50.0	194	<50.0	194	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	269
	7/22/2025	4.75'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	11.2
CS-14	7/21/2025	3.0'	<49.8	146	<49.8	146	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	307
	7/22/2025	3.25'	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<9.98
CS-15	7/21/2025	3.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	97.2
CS-16	7/21/2025	3.0'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	172
CS-17	7/21/2025	3.0'	<49.9	63.4	<49.9	63.4	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	220
CS-18	7/21/2025	3.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	180
CS-19	7/21/2025	3.0'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	145
CS-20	7/22/2025	4.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	85.4
CS-21	7/22/2025	4.0'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	116
CS-22	7/22/2025	4.0'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	139
Regulatory Criteria ^A						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

^A – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH - Total Petroleum Hydrocarbons
ft - feet
CS - Confirmation Floor Sample
Removed

Table 2
Cimarex Energy Co. of Colorado
Marquardt 12-13 (06.01.2025)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-1	7/21/2025	4.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	122
SW-2	7/21/2025	4.5'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	99.0
SW-3	7/21/2025	4.5'	<49.8	136	<49.8	136	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1,810
SW-4	7/21/2025	3.0'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	3,350
SW-5	7/21/2025	4.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	106
SW-6	7/21/2025	3.0'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	186
SW-7	7/21/2025	3.0'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	238
SW-8	7/21/2025	4.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	174
SW-9	7/21/2025	4.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	206
SW-10	7/21/2025	3.0'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	4,440
SW-11	7/21/2025	3.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	4,390
SW-12	7/21/2025	4.5'	<49.9	123	<49.9	123	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	349
	7/22/2025	4.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	10.4
SW-13	7/21/2025	3.0'-4.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	89.1
SW-14	7/22/2025	4.0'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	3,840
SW-15	7/22/2025	4.0'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	3,130
SW-16	7/22/2025	4.0'	<49.8	52.7	<49.8	52.7	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	9,490
SW-17	7/22/2025	4.0'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	7,670
SW-18	7/22/2025	4.0'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	108
SW-19	7/22/2025	4.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	220
Fred Beard Backfill	7/21/2025	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	89.4
Regulatory Criteria ^A						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

^A – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH - Total Petroleum Hydrocarbons
ft - feet
CS - Confirmation Floor Sample
 Deferral Area
 Removed

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Cimarex Energy Co. of Colorado

Photograph No. 1

Facility: Marquardt 12-13 Federal Com 11H
(06.01.2025)

County: Eddy County, New Mexico

Description:

View Northwest, Area of CS-1 through CS-5; CS-9 through CS-13.



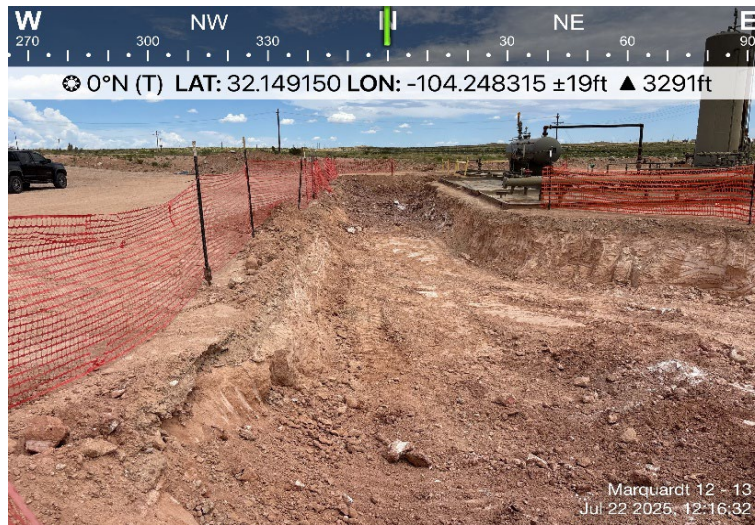
Photograph No. 2

Facility: Marquardt 12-13 Federal Com 11H

County: Eddy County, New Mexico

Description:

View North, Area of CS-6 through CS-13.



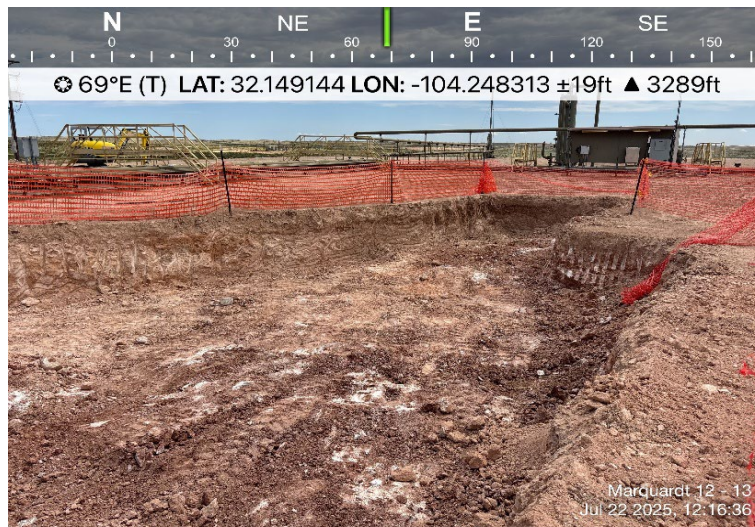
Photograph No. 3

Facility: Marquardt 12-13 federal Com 11H

County: Eddy County, New Mexico

Description:

View Northeast, Area of CS-1 through CS-5; CS-9 through CS-13.



PHOTOGRAPHIC LOG

Cimarex Energy Co. of Colorado

Photograph No. 4

Facility: Marquardt 12-13 Federal Com 11H
(06.01.2025)

County: Eddy County, New Mexico

Description:

View South, Area of CS-14 through CS-19.



Photograph No. 5

Facility: Marquardt 12-13 Federal Com 11H

County: Eddy County, New Mexico

Description:

View East, Area of CS-14 through CS-19.



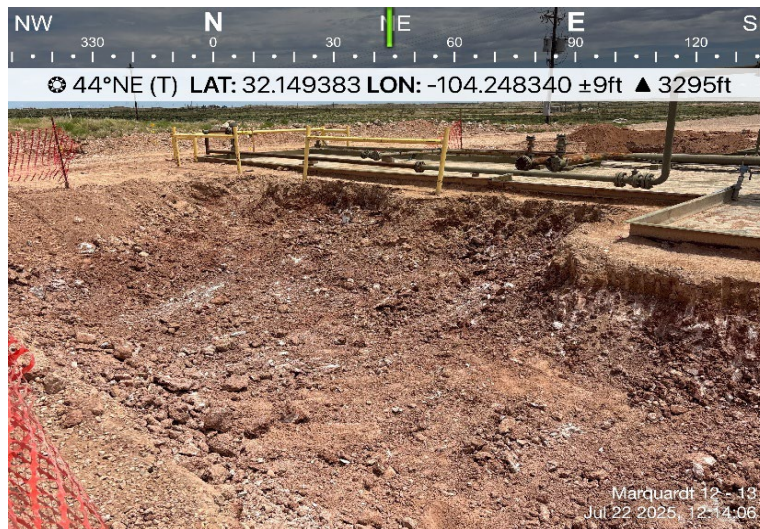
Photograph No. 6

Facility: Marquardt 12-13 federal Com 11H

County: Eddy County, New Mexico

Description:

View East, Area of CS-14 through CS-19.



PHOTOGRAPHIC LOG

Cimarex Energy Co. of Colorado

Photograph No. 7

Facility: Marquardt 12-13 Federal Com 11H
(06.01.2025)

County: Eddy County, New Mexico

Description:

View Southwest, Area of CS-20 through CS-22.



Photograph No. 8

Facility: Marquardt 12-13 Federal Com 11H

County: Eddy County, New Mexico

Description:

View Southwest, Area of CS-20 through CS-22.



APPENDIX C

CARMONA RESOURCES



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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 469606

QUESTIONS

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 469606
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Marquardt 12-13 Federal Com 11H
Date Release Discovered	06/01/2025
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Dump Valve Produced Water Released: 100 BBL Recovered: 35 BBL Lost: 65 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	We had a reportable release at the Marquardt 12-13 Federal Com 11H due to a failure of a 2-inch carbon steel nipple located below the water dump on the separator. The fluid level reached the berm kill switch, which successfully shut in the well. Unfortunately, the pressure from the release created a hole in the lined containment, allowing fluid to escape beneath the containment and onto the well pad. This incident resulted in a total release of 60 barrels of produced water onto the lined containment and 40 barrels of produced water onto the well pad. A vacuum truck was able to recover 35 barrels of fluid. In the coming weeks, we will evaluate the affected soils and implement the necessary remediation measures.

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State of New Mexico
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QUESTIONS, Page 2

Action 469606

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 469606
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph 4 of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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Oil Conservation Division
1220 S. St Francis Dr.
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ACKNOWLEDGMENTS

Action 469606

ACKNOWLEDGMENTS

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 469606
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

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

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1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 469606

CONDITIONS

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 469606
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
lluig	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	6/2/2025

Measurements received from
pumper.

Outside (average)

150'x9'x3" =60.11 bbl

Inside (average)

75'x24'x1.5"=40.07 bbl

Small skim of oil, less that .25 bbl

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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 472243

QUESTIONS

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 472243
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2515327422
Incident Name	NAPP2515327422 MARQUARDT 12-13 FEDERAL COM 11H @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received
Incident Facility	[fAPP2201726152] Marquardt 12-13 Federal Com 11H

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	Marquardt 12-13 Federal Com 11H
Date Release Discovered	06/01/2025
Surface Owner	Federal

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

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Dump Valve Produced Water Released: 100 BBL Recovered: 35 BBL Lost: 65 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	We had a reportable release at the Marquardt 12-13 Federal Com 11H due to a failure of a 2-inch carbon steel nipple located below the water dump on the separator. The fluid level reached the berm kill switch, which successfully shut in the well. Unfortunately, the pressure from the release created a hole in the lined containment, allowing fluid to escape beneath the containment and onto the well pad. This incident resulted in a total release of 60 barrels of produced water onto the lined containment and 40 barrels of produced water onto the well pad. A vacuum truck was able to recover 35 barrels of fluid. In the coming weeks, we will evaluate the affected soils and implement the necessary remediation measures.

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Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
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QUESTIONS, Page 2

Action 472243

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 472243
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

I hereby agree and sign off to the above statement	Name: Nathaniel Rose Title: EHS Specialists Email: nathaniel.rose@coterra.com Date: 06/09/2025
--	---

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
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QUESTIONS, Page 3

Action 472243

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 472243
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

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

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

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

CONDITIONS

Action 472243

CONDITIONS

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 472243
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
nvez	None	6/10/2025

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

QUESTIONS

Action 486321

QUESTIONS

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 486321
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2515327422
Incident Name	NAPP2515327422 MARQUARDT 12-13 FEDERAL COM 11H @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2201726152] Marquardt 12-13 Federal Com 11H

Location of Release Source	
Site Name	Marquardt 12-13 Federal Com 11H
Date Release Discovered	06/01/2025
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	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	07/21/2025
Time sampling will commence	08:00 AM
 Warning: Notification can not be less than two business days prior to conducting final sampling. 	
Please provide any information necessary for observers to contact samplers	432-813-8988 - Carmona Resources
Please provide any information necessary for navigation to sampling site	32.14901,-104.24791 Composite confirmation samples will be collected. The area under the equipment and falcon lined containment will be deferred until abandonment or facility deconstruction, whichever comes first.

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

General Information
Phone: (505) 629-6116

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Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
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CONDITIONS

Action 486321

CONDITIONS

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 486321
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
athielke	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.	7/18/2025
athielke	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	7/18/2025

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

QUESTIONS

Action 486323

QUESTIONS

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 486323
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2515327422
Incident Name	NAPP2515327422 MARQUARDT 12-13 FEDERAL COM 11H @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2201726152] Marquardt 12-13 Federal Com 11H

Location of Release Source	
Site Name	Marquardt 12-13 Federal Com 11H
Date Release Discovered	06/01/2025
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	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	07/22/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	432-813-8988 - Carmona Resources
Please provide any information necessary for navigation to sampling site	32.14901,-104.24791 Composite confirmation samples will be collected. The area under the equipment and falcon lined containment will be deferred until abandonment or facility deconstruction, whichever comes first.

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CONDITIONS

Action 486323

CONDITIONS

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 486323
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
athielke	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.	7/18/2025
athielke	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	7/18/2025

APPENDIX D

CARMONA RESOURCES

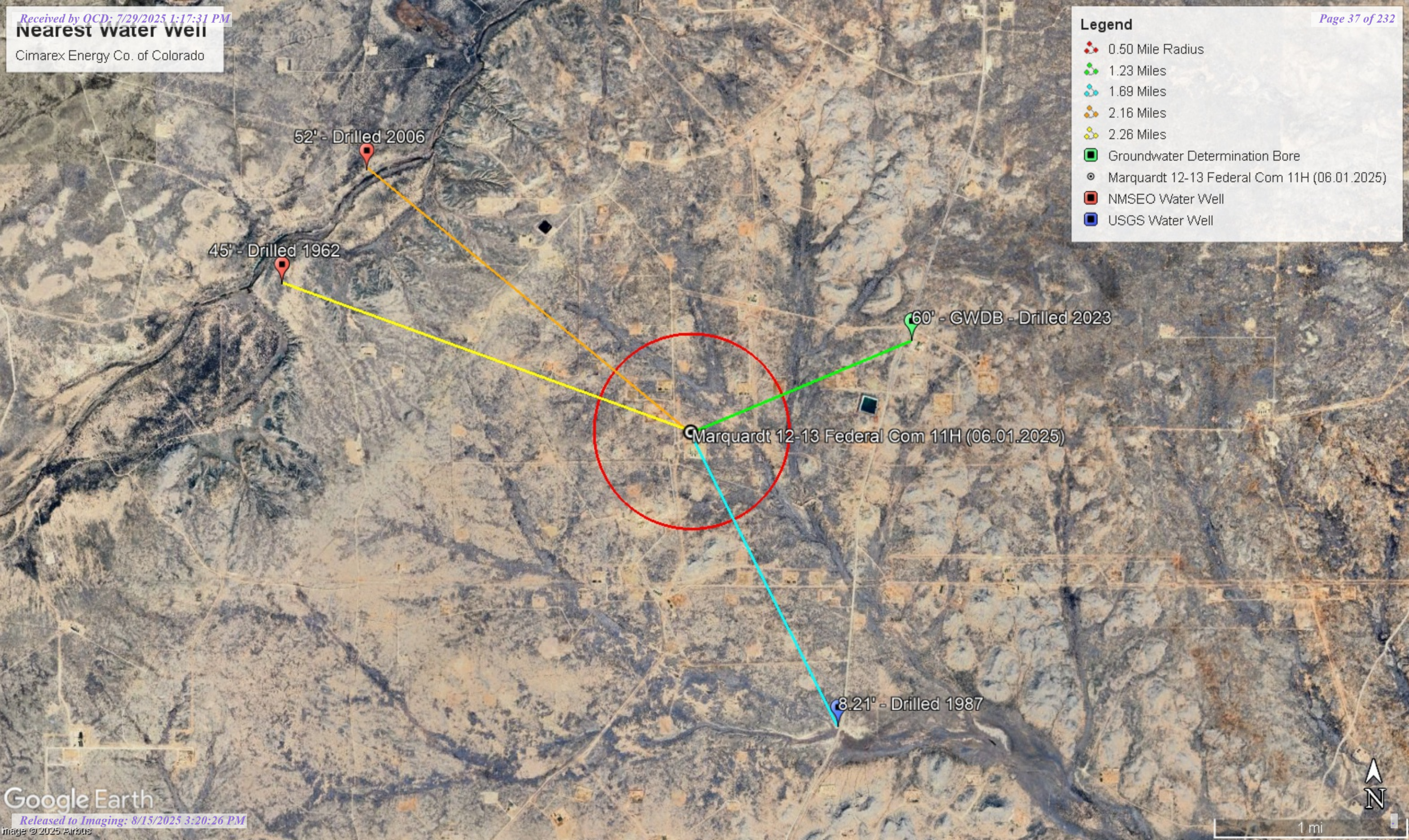


Nearest water well

Cimarex Energy Co. of Colorado

Legend

- 0.50 Mile Radius
- 1.23 Miles
- 1.69 Miles
- 2.16 Miles
- 2.26 Miles
- Groundwater Determination Bore
- Marquardt 12-13 Federal Com 11H (06.01.2025)
- NMSEO Water Well
- USGS Water Well



High Karst

Cimarex Energy Co. of Colorado

Legend

- High
- Marquardt 12-13 Federal Com 11H (06.01.2025)
- Medium

Marquardt 12-13 Federal Com 11H (06.01.2025)





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are
smallest to
largest)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	(meters)	(In feet)		
													Distance	Well Depth	Depth Water	Water Column
C 03569 POD1		CUB	ED	NE	NW	NW	14	25S	26E	568861.7	3555746.9		2523	30	0	30
C 03654 POD1		CUB	ED	NE	SW	NW	24	25S	26E	570654.5	3553773.1		3437			
C 03200 POD1		C	ED	NE	SW	SE	34	24S	26E	568206.3	3559349.9		3465	80	52	28
C 01089		C	ED	SW	SE	NW	03	25S	26E	567505.0	3558398.0 *		3623	96	45	51
C 04586 POD1		C	ED	SE	NW	NW	35	24S	26E	568993.3	3560476.0		3802	150		
C 00819		C	ED		SE	SE	26	24S	26E	570022.0	3560935.0 *		3842	62	42	20

Average Depth to Water: 34 feet

Minimum Depth: 0 feet

Maximum Depth: 52 feet

Record Count: 6

UTM Filters (in meters):

Easting: 570924.68

Northing: 3557200.23

Radius: 4000

* UTM location was derived from PLSS - see Help

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

Scoter 6-31 Federal Com #7H, #43H, #44H CTB

Cimarex Energy Co.
Incident# nRM2015743815 & nAPP2436140206
Eddy County, NM
Water Bore Map

Legend

 Groundwater Determination Bore

748

 Groundwater Determination Bore

Google Earth

Image © 2025 Airbus
Released to Imaging: 8/15/2025 3:20:26 PM

300 ft



SOIL BORE LOG

Project:	Scoter 6-31 Fed Com #7H,43H,44H Battery	Date:	May 31, 2023
Type:	Exploratory Water Bore	Location:	Scoter 6-31 Fed Com 7H,43H,44H Battery

Depth	Soil Type	Classification	Comments
0'	Caliche		
5'	Gypsum/Clay		Gypsum-70% Clay-30%
10'	Gypsum/Red Clay		Gypsum-50% Red Clay-50%
15"	Gypsum/Red Clay		Gypsum-50% Red Clay-50%
20'	Gypsum/Red Clay		Gypsum-50% Red Clay-50%
25'	Gypsum		
30'	Gypsum/Red Clay		Gypsum-20% Red Clay-80%
35'	Gypsum/Red Clay		Gypsum-90% Red Clay-10%
40'	Gypsum/Red Clay		Gypsum-50% Red Clay-50%
45'	Gypsum/Red Clay		Gypsum-50% Red Clay-50%
50'	Gypsum/Red Clay		Gypsum-50% Red Clay-50%
55'	Gypsum/Red Clay		Gypsum-50% Red Clay-50%
60' TD	Gypsum/Red Clay		Gypsum-50% Red Clay-50%
			No Groundwater 5/31/2023 - 6/08/2023
			GPS: 32.155795,-104.22849



USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

GO

Click to hideNews Bulletins

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

Groundwater levels for New Mexico

Click to hide state-specific text

i Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 320737104140602

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

USGS 320737104140602 25S.26E.13.44222 A

Eddy County, New Mexico
Latitude 32°07'37", Longitude 104°14'06" NAD27
Land-surface elevation 3,198 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1983-02-01			D	62610	3187.92	NGVD29	1		Z	
1983-02-01			D	62611	3189.58	NAVD88	1		Z	
1983-02-01			D	72019	8.42		1		Z	
1987-10-08			D	62610	3188.13	NGVD29	1		Z	
1987-10-08			D	62611	3189.79	NAVD88	1		Z	
1987-10-08			D	72019	8.21		1		Z	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988

6/2/25, 3:35 PM

Section	Code	Description
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

[Questions or Comments](#)
[Help](#)
[Data Tips](#)
[Explanation of terms](#)
[Subscribe for system changes](#)

[Accessibility](#) [FOIA](#) [Privacy](#) [Policies and Notices](#)
[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)
Title: Groundwater for New Mexico: Water Levels
URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>



Page Contact Information: [New Mexico Water Data Maintainer](#)
Page Last Modified: 2025-06-02 16:34:44 EDT
0.38 0.31 nadww02



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)							
		(quarters are smallest to largest)				(NAD83 UTM in meters)			
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
C	03200 POD1	2	3	4	34	24S	26E	568206	3559349
Driller License: 685		Driller Company:		BRAZEAL, JOHN					
Driller Name:		WAYNE BRAZEAL							
Drill Start Date: 08/12/2005		Drill Finish Date:		08/20/2005		Plug Date:			
Log File Date: 08/18/2006		PCW Rev Date:				Source:		Shallow	
Pump Type:		Pipe Discharge Size:				Estimated Yield:		8 GPM	
Casing Size:		Depth Well:		80 feet		Depth Water:		52 feet	
Water Bearing Stratifications:		Top	Bottom	Description					
		65	75	Sandstone/Gravel/Conglomerate					

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3/22/23 11:01 AM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

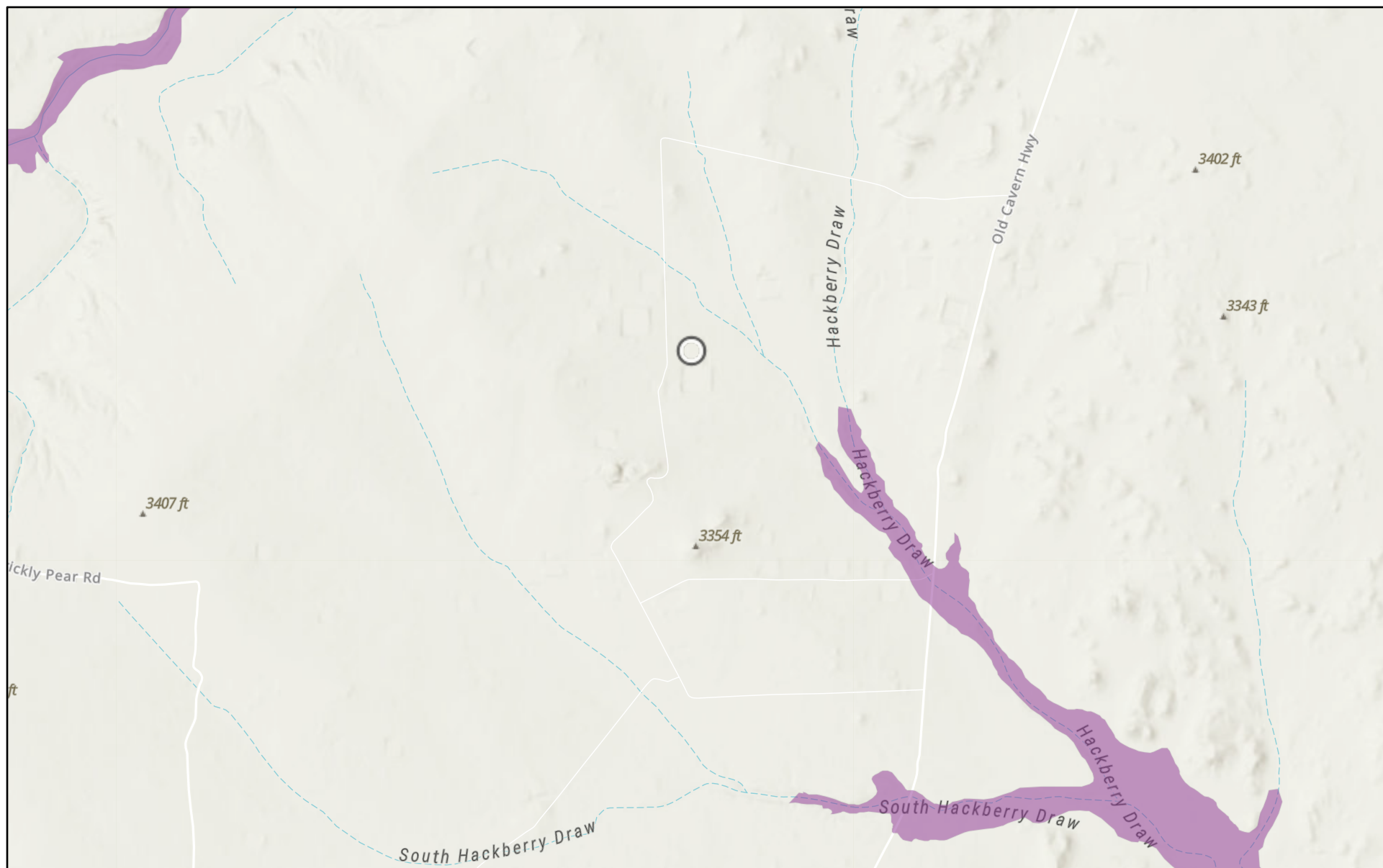
Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(quarters are smallest to largest)				(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y		
C	01089	3	4	1	03	25S	26E	567505	3558398*		
x											
Driller License:		46		Driller Company:			ABBOTT BROTHERS COMPANY				
Driller Name:		ABBOTT, FLOYD									
Drill Start Date:		08/06/1962		Drill Finish Date:			08/07/1962		Plug Date:		11/01/1962
Log File Date:		08/17/1962		PCW Rev Date:					Source:		Shallow
Pump Type:					Pipe Discharge Size:					Estimated Yield:	
Casing Size:		7.00		Depth Well:			96 feet		Depth Water:		45 feet
x											
Water Bearing Stratifications:				Top	Bottom	Description					
				45	65	Sandstone/Gravel/Conglomerate					
				65	75	Sandstone/Gravel/Conglomerate					
				75	90	Sandstone/Gravel/Conglomerate					
x											
Casing Perforations:				Top	Bottom						
				45	90						
x											

*UTM location was derived from PLSS - see Help

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

Marquardt 12-13 Federal Com 11H (06.01.2025)

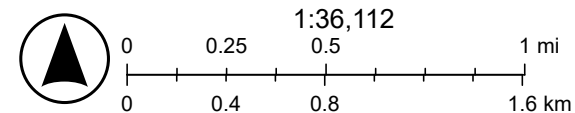


6/2/2025

USA Flood Hazard Areas

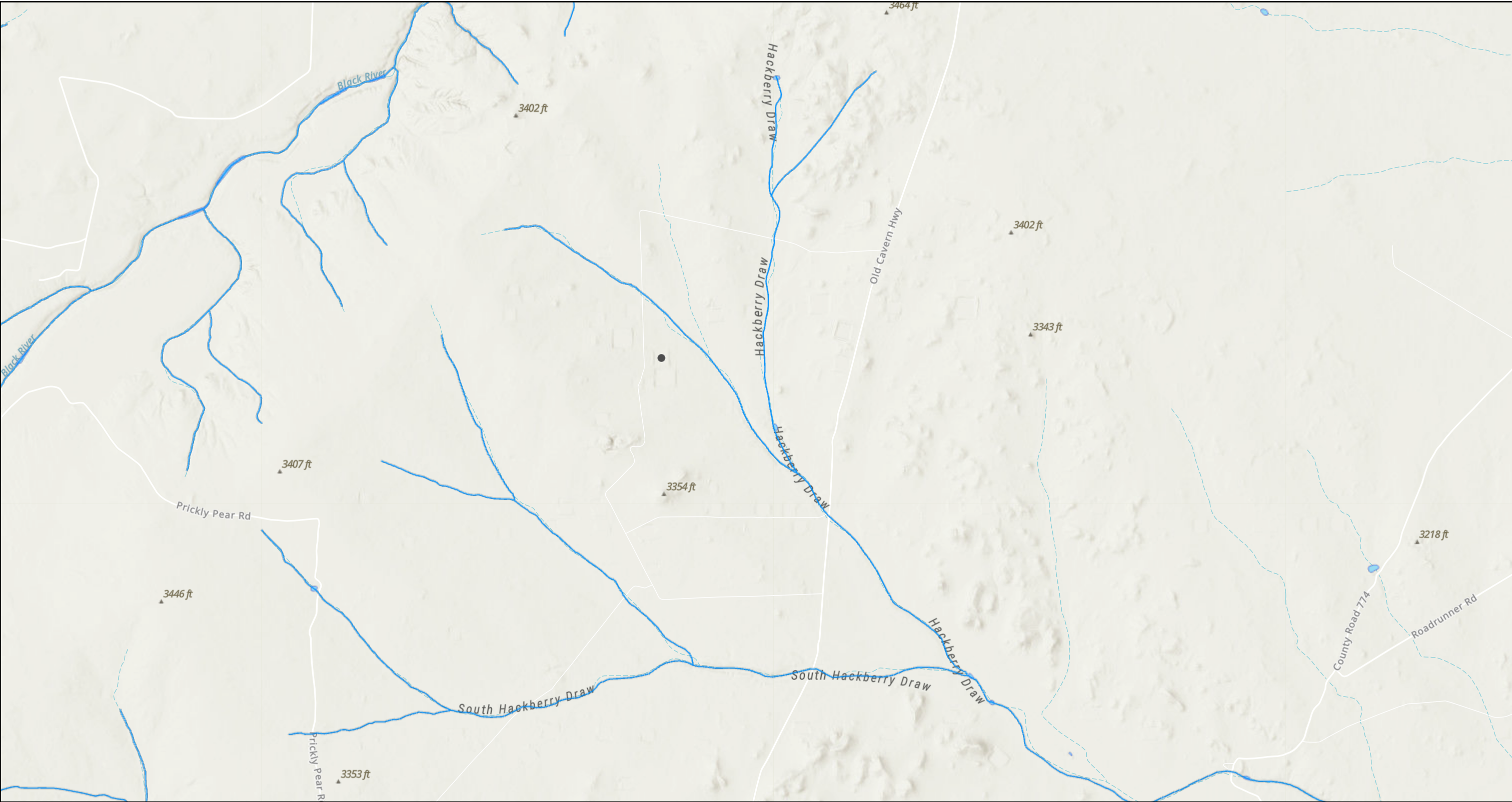
 1% Annual Chance Flood Hazard

World_Hillshade



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

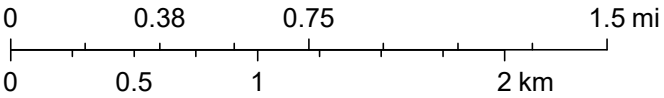
Marquardt 12-13 Federal Com 11H (06.01.2025)



6/2/2025, 3:29:46 PM

- OSW Water Bodys
- OSE Streams

1:36,112



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

APPENDIX E

CARMONA RESOURCES





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

June 12, 2025

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: MARQUARDT 12-13 (06.01.2025)

Enclosed are the results of analyses for samples received by the laboratory on 06/10/25 15:42.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/10/2025	Sampling Date:	06/10/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	MARQUARDT 12-13 (06.01.2025)	Sampling Condition:	Cool & Intact
Project Number:	2749	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY CO, NM		

Sample ID: T - 1 (0-1.0') (H253448-01)

BTX 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2025	ND	1.75	87.3	2.00	3.46	
Toluene*	<0.050	0.050	06/11/2025	ND	1.84	92.2	2.00	4.50	
Ethylbenzene*	<0.050	0.050	06/11/2025	ND	1.82	90.8	2.00	5.03	
Total Xylenes*	<0.150	0.150	06/11/2025	ND	5.38	89.7	6.00	5.28	
Total BTX	<0.300	0.300	06/11/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 71.5-134

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7060	16.0	06/11/2025	ND	432	108	400	7.69	

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	06/11/2025	ND	216	108	200	2.24	
DRO >C10-C28*	15.9	10.0	06/11/2025	ND	189	94.5	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	06/11/2025	ND					

Surrogate: 1-Chlorooctane 110 % 44.4-145

Surrogate: 1-Chlorooctadecane 115 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/10/2025
 Reported: 06/12/2025
 Project Name: MARQUARDT 12-13 (06.01.2025)
 Project Number: 2749
 Project Location: CIMAREX - EDDY CO, NM

Sampling Date: 06/10/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: T - 1 (1.5') (H253448-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/11/2025	ND	1.75	87.3	2.00	3.46		
Toluene*	<0.050	0.050	06/11/2025	ND	1.84	92.2	2.00	4.50		
Ethylbenzene*	<0.050	0.050	06/11/2025	ND	1.82	90.8	2.00	5.03		
Total Xylenes*	<0.150	0.150	06/11/2025	ND	5.38	89.7	6.00	5.28		
Total BTEX	<0.300	0.300	06/11/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5600	16.0	06/11/2025	ND	432	108	400	7.69		

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	06/11/2025	ND	216	108	200	2.24	
DRO >C10-C28*	64.1	10.0	06/11/2025	ND	189	94.5	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	06/11/2025	ND					

Surrogate: 1-Chlorooctane 113 % 44.4-145

Surrogate: 1-Chlorooctadecane 115 % 40.6-153

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/10/2025
 Reported: 06/12/2025
 Project Name: MARQUARDT 12-13 (06.01.2025)
 Project Number: 2749
 Project Location: CIMAREX - EDDY CO, NM

Sampling Date: 06/10/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: T - 1 (2.0') (H253448-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/11/2025	ND	1.75	87.3	2.00	3.46		
Toluene*	<0.050	0.050	06/11/2025	ND	1.84	92.2	2.00	4.50		
Ethylbenzene*	<0.050	0.050	06/11/2025	ND	1.82	90.8	2.00	5.03		
Total Xylenes*	<0.150	0.150	06/11/2025	ND	5.38	89.7	6.00	5.28		
Total BTEX	<0.300	0.300	06/11/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1650	16.0	06/11/2025	ND	432	108	400	7.69		

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	06/11/2025	ND	216	108	200	2.24	
DRO >C10-C28*	<10.0	10.0	06/11/2025	ND	189	94.5	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	06/11/2025	ND					

Surrogate: 1-Chlorooctane 110 % 44.4-145

Surrogate: 1-Chlorooctadecane 110 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/10/2025
 Reported: 06/12/2025
 Project Name: MARQUARDT 12-13 (06.01.2025)
 Project Number: 2749
 Project Location: CIMAREX - EDDY CO, NM

Sampling Date: 06/10/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: T - 1 (3.0') R (H253448-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/11/2025	ND	1.75	87.3	2.00	3.46		
Toluene*	<0.050	0.050	06/11/2025	ND	1.84	92.2	2.00	4.50		
Ethylbenzene*	<0.050	0.050	06/11/2025	ND	1.82	90.8	2.00	5.03		
Total Xylenes*	<0.150	0.150	06/11/2025	ND	5.38	89.7	6.00	5.28		
Total BTEX	<0.300	0.300	06/11/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	06/11/2025	ND	432	108	400	7.69		

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	06/11/2025	ND	216	108	200	2.24	
DRO >C10-C28*	10.1	10.0	06/11/2025	ND	189	94.5	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	06/11/2025	ND					

Surrogate: 1-Chlorooctane 116 % 44.4-145

Surrogate: 1-Chlorooctadecane 116 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/10/2025
 Reported: 06/12/2025
 Project Name: MARQUARDT 12-13 (06.01.2025)
 Project Number: 2749
 Project Location: CIMAREX - EDDY CO, NM

Sampling Date: 06/10/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: T - 2 (0-1.0') (H253448-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/11/2025	ND	1.75	87.3	2.00	3.46		
Toluene*	<0.050	0.050	06/11/2025	ND	1.84	92.2	2.00	4.50		
Ethylbenzene*	<0.050	0.050	06/11/2025	ND	1.82	90.8	2.00	5.03		
Total Xylenes*	<0.150	0.150	06/11/2025	ND	5.38	89.7	6.00	5.28		
Total BTEX	<0.300	0.300	06/11/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	832	16.0	06/11/2025	ND	432	108	400	7.69		

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	06/11/2025	ND	216	108	200	2.24	
DRO >C10-C28*	<10.0	10.0	06/11/2025	ND	189	94.5	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	06/11/2025	ND					

Surrogate: 1-Chlorooctane 112 % 44.4-145

Surrogate: 1-Chlorooctadecane 110 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/10/2025
 Reported: 06/12/2025
 Project Name: MARQUARDT 12-13 (06.01.2025)
 Project Number: 2749
 Project Location: CIMAREX - EDDY CO, NM

Sampling Date: 06/10/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: T - 2 (1.5') (H253448-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/11/2025	ND	1.75	87.3	2.00	3.46		
Toluene*	<0.050	0.050	06/11/2025	ND	1.84	92.2	2.00	4.50		
Ethylbenzene*	<0.050	0.050	06/11/2025	ND	1.82	90.8	2.00	5.03		
Total Xylenes*	<0.150	0.150	06/11/2025	ND	5.38	89.7	6.00	5.28		
Total BTEX	<0.300	0.300	06/11/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1440	16.0	06/11/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2025	ND	216	108	200	2.24	
DRO >C10-C28*	<10.0	10.0	06/11/2025	ND	189	94.5	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	06/11/2025	ND					

Surrogate: 1-Chlorooctane 111 % 44.4-145

Surrogate: 1-Chlorooctadecane 114 % 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: 06/10/2025
 Reported: 06/12/2025
 Project Name: MARQUARDT 12-13 (06.01.2025)
 Project Number: 2749
 Project Location: CIMAREX - EDDY CO, NM

Sampling Date: 06/10/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: T - 2 (2.0') (H253448-07)

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	06/11/2025	ND	1.75	87.3	2.00	3.46		
Toluene*	<0.050	0.050	06/11/2025	ND	1.84	92.2	2.00	4.50		
Ethylbenzene*	<0.050	0.050	06/11/2025	ND	1.82	90.8	2.00	5.03		
Total Xylenes*	<0.150	0.150	06/11/2025	ND	5.38	89.7	6.00	5.28		
Total BTEX	<0.300	0.300	06/11/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1360	16.0	06/11/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2025	ND	216	108	200	2.24	
DRO >C10-C28*	<10.0	10.0	06/11/2025	ND	189	94.5	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	06/11/2025	ND					

Surrogate: 1-Chlorooctane 105 % 44.4-145

Surrogate: 1-Chlorooctadecane 106 % 40.6-153

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Analytical Results For:

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

Received: 06/10/2025
 Reported: 06/12/2025
 Project Name: MARQUARDT 12-13 (06.01.2025)
 Project Number: 2749
 Project Location: CIMAREX - EDDY CO, NM

Sampling Date: 06/10/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: T - 2 (3.0') R (H253448-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/11/2025	ND	1.75	87.3	2.00	3.46		
Toluene*	<0.050	0.050	06/11/2025	ND	1.84	92.2	2.00	4.50		
Ethylbenzene*	<0.050	0.050	06/11/2025	ND	1.82	90.8	2.00	5.03		
Total Xylenes*	<0.150	0.150	06/11/2025	ND	5.38	89.7	6.00	5.28		
Total BTEX	<0.300	0.300	06/11/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	848	16.0	06/11/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2025	ND	216	108	200	2.24	
DRO >C10-C28*	<10.0	10.0	06/11/2025	ND	189	94.5	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	06/11/2025	ND					

Surrogate: 1-Chlorooctane 128 % 44.4-145

Surrogate: 1-Chlorooctadecane 131 % 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: 06/10/2025
 Reported: 06/12/2025
 Project Name: MARQUARDT 12-13 (06.01.2025)
 Project Number: 2749
 Project Location: CIMAREX - EDDY CO, NM

Sampling Date: 06/10/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: T - 3 (0-1.0') (H253448-09)

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	06/11/2025	ND	1.75	87.3	2.00	3.46	
Toluene*	<0.050	0.050	06/11/2025	ND	1.84	92.2	2.00	4.50	
Ethylbenzene*	<0.050	0.050	06/11/2025	ND	1.82	90.8	2.00	5.03	
Total Xylenes*	<0.150	0.150	06/11/2025	ND	5.38	89.7	6.00	5.28	
Total BTEX	<0.300	0.300	06/11/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	11400	16.0	06/11/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2025	ND	216	108	200	2.24	
DRO >C10-C28*	467	10.0	06/11/2025	ND	189	94.5	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	06/11/2025	ND					

Surrogate: 1-Chlorooctane 106 % 44.4-145

Surrogate: 1-Chlorooctadecane 123 % 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: 06/10/2025
 Reported: 06/12/2025
 Project Name: MARQUARDT 12-13 (06.01.2025)
 Project Number: 2749
 Project Location: CIMAREX - EDDY CO, NM

Sampling Date: 06/10/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: T - 3 (1.5') (H253448-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/11/2025	ND	1.75	87.3	2.00	3.46		
Toluene*	<0.050	0.050	06/11/2025	ND	1.84	92.2	2.00	4.50		
Ethylbenzene*	<0.050	0.050	06/11/2025	ND	1.82	90.8	2.00	5.03		
Total Xylenes*	<0.150	0.150	06/11/2025	ND	5.38	89.7	6.00	5.28		
Total BTEX	<0.300	0.300	06/11/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1710	16.0	06/11/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2025	ND	216	108	200	2.24	
DRO >C10-C28*	36.8	10.0	06/11/2025	ND	189	94.5	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	06/11/2025	ND					

Surrogate: 1-Chlorooctane 117 % 44.4-145

Surrogate: 1-Chlorooctadecane 119 % 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: 06/10/2025
 Reported: 06/12/2025
 Project Name: MARQUARDT 12-13 (06.01.2025)
 Project Number: 2749
 Project Location: CIMAREX - EDDY CO, NM

Sampling Date: 06/10/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: T - 3 (2.0') (H253448-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/11/2025	ND	1.75	87.3	2.00	3.46		
Toluene*	<0.050	0.050	06/11/2025	ND	1.84	92.2	2.00	4.50		
Ethylbenzene*	<0.050	0.050	06/11/2025	ND	1.82	90.8	2.00	5.03		
Total Xylenes*	<0.150	0.150	06/11/2025	ND	5.38	89.7	6.00	5.28		
Total BTEX	<0.300	0.300	06/11/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	06/11/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2025	ND	216	108	200	2.24	
DRO >C10-C28*	<10.0	10.0	06/11/2025	ND	189	94.5	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	06/11/2025	ND					

Surrogate: 1-Chlorooctane 110 % 44.4-145

Surrogate: 1-Chlorooctadecane 111 % 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: 06/10/2025
 Reported: 06/12/2025
 Project Name: MARQUARDT 12-13 (06.01.2025)
 Project Number: 2749
 Project Location: CIMAREX - EDDY CO, NM

Sampling Date: 06/10/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: T - 3 (3.0') (H253448-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/11/2025	ND	1.75	87.3	2.00	3.46		
Toluene*	<0.050	0.050	06/11/2025	ND	1.84	92.2	2.00	4.50		
Ethylbenzene*	<0.050	0.050	06/11/2025	ND	1.82	90.8	2.00	5.03		
Total Xylenes*	<0.150	0.150	06/11/2025	ND	5.38	89.7	6.00	5.28		
Total BTEX	<0.300	0.300	06/11/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	06/11/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2025	ND	216	108	200	2.24	
DRO >C10-C28*	<10.0	10.0	06/11/2025	ND	189	94.5	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	06/11/2025	ND					

Surrogate: 1-Chlorooctane 123 % 44.4-145

Surrogate: 1-Chlorooctadecane 123 % 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: 06/10/2025
 Reported: 06/12/2025
 Project Name: MARQUARDT 12-13 (06.01.2025)
 Project Number: 2749
 Project Location: CIMAREX - EDDY CO, NM

Sampling Date: 06/10/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: T - 3 (4.0') R (H253448-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/11/2025	ND	1.75	87.3	2.00	3.46		
Toluene*	<0.050	0.050	06/11/2025	ND	1.84	92.2	2.00	4.50		
Ethylbenzene*	<0.050	0.050	06/11/2025	ND	1.82	90.8	2.00	5.03		
Total Xylenes*	<0.150	0.150	06/11/2025	ND	5.38	89.7	6.00	5.28		
Total BTEX	<0.300	0.300	06/11/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	992	16.0	06/11/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2025	ND	216	108	200	2.24	
DRO >C10-C28*	<10.0	10.0	06/11/2025	ND	189	94.5	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	06/11/2025	ND					

Surrogate: 1-Chlorooctane 119 % 44.4-145

Surrogate: 1-Chlorooctadecane 118 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/10/2025
 Reported: 06/12/2025
 Project Name: MARQUARDT 12-13 (06.01.2025)
 Project Number: 2749
 Project Location: CIMAREX - EDDY CO, NM

Sampling Date: 06/10/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: T - 4 (0-1.0') (H253448-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/11/2025	ND	1.75	87.3	2.00	3.46		
Toluene*	<0.050	0.050	06/11/2025	ND	1.84	92.2	2.00	4.50		
Ethylbenzene*	<0.050	0.050	06/11/2025	ND	1.82	90.8	2.00	5.03		
Total Xylenes*	<0.150	0.150	06/11/2025	ND	5.38	89.7	6.00	5.28		
Total BTEX	<0.300	0.300	06/11/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1660	16.0	06/11/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2025	ND	216	108	200	2.24	
DRO >C10-C28*	<10.0	10.0	06/11/2025	ND	189	94.5	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	06/11/2025	ND					

Surrogate: 1-Chlorooctane 120 % 44.4-145

Surrogate: 1-Chlorooctadecane 119 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/10/2025
 Reported: 06/12/2025
 Project Name: MARQUARDT 12-13 (06.01.2025)
 Project Number: 2749
 Project Location: CIMAREX - EDDY CO, NM

Sampling Date: 06/10/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: T - 4 (1.5') (H253448-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/11/2025	ND	1.75	87.3	2.00	3.46		
Toluene*	<0.050	0.050	06/11/2025	ND	1.84	92.2	2.00	4.50		
Ethylbenzene*	<0.050	0.050	06/11/2025	ND	1.82	90.8	2.00	5.03		
Total Xylenes*	<0.150	0.150	06/11/2025	ND	5.38	89.7	6.00	5.28		
Total BTEX	<0.300	0.300	06/11/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1180	16.0	06/11/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2025	ND	216	108	200	2.24	
DRO >C10-C28*	<10.0	10.0	06/11/2025	ND	189	94.5	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	06/11/2025	ND					

Surrogate: 1-Chlorooctane 121 % 44.4-145

Surrogate: 1-Chlorooctadecane 121 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/10/2025
 Reported: 06/12/2025
 Project Name: MARQUARDT 12-13 (06.01.2025)
 Project Number: 2749
 Project Location: CIMAREX - EDDY CO, NM

Sampling Date: 06/10/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: T - 4 (2.0') (H253448-16)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2025	ND	1.75	87.3	2.00	3.46	
Toluene*	<0.050	0.050	06/11/2025	ND	1.84	92.2	2.00	4.50	
Ethylbenzene*	<0.050	0.050	06/11/2025	ND	1.82	90.8	2.00	5.03	
Total Xylenes*	<0.150	0.150	06/11/2025	ND	5.38	89.7	6.00	5.28	
Total BTEX	<0.300	0.300	06/11/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3360	16.0	06/11/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2025	ND	216	108	200	2.24	
DRO >C10-C28*	<10.0	10.0	06/11/2025	ND	189	94.5	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	06/11/2025	ND					

Surrogate: 1-Chlorooctane 112 % 44.4-145

Surrogate: 1-Chlorooctadecane 115 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/10/2025
 Reported: 06/12/2025
 Project Name: MARQUARDT 12-13 (06.01.2025)
 Project Number: 2749
 Project Location: CIMAREX - EDDY CO, NM

Sampling Date: 06/10/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: T - 4 (3.0') (H253448-17)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/11/2025	ND	1.75	87.3	2.00	3.46		
Toluene*	<0.050	0.050	06/11/2025	ND	1.84	92.2	2.00	4.50		
Ethylbenzene*	<0.050	0.050	06/11/2025	ND	1.82	90.8	2.00	5.03		
Total Xylenes*	<0.150	0.150	06/11/2025	ND	5.38	89.7	6.00	5.28		
Total BTEX	<0.300	0.300	06/11/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	06/11/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2025	ND	216	108	200	2.24	
DRO >C10-C28*	<10.0	10.0	06/11/2025	ND	189	94.5	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	06/11/2025	ND					

Surrogate: 1-Chlorooctane 112 % 44.4-145

Surrogate: 1-Chlorooctadecane 113 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/10/2025
 Reported: 06/12/2025
 Project Name: MARQUARDT 12-13 (06.01.2025)
 Project Number: 2749
 Project Location: CIMAREX - EDDY CO, NM

Sampling Date: 06/10/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: T - 4 (4.0') R (H253448-18)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/11/2025	ND	1.75	87.3	2.00	3.46		
Toluene*	<0.050	0.050	06/11/2025	ND	1.84	92.2	2.00	4.50		
Ethylbenzene*	<0.050	0.050	06/11/2025	ND	1.82	90.8	2.00	5.03		
Total Xylenes*	<0.150	0.150	06/11/2025	ND	5.38	89.7	6.00	5.28		
Total BTEX	<0.300	0.300	06/11/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	06/11/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2025	ND	216	108	200	2.24	
DRO >C10-C28*	<10.0	10.0	06/11/2025	ND	189	94.5	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	06/11/2025	ND					

Surrogate: 1-Chlorooctane 113 % 44.4-145

Surrogate: 1-Chlorooctadecane 113 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in cursive script, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H253448Page 1 of 2

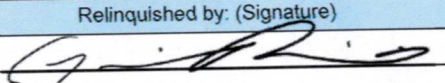
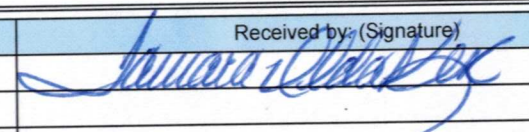
Page 21 of 22

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

Work Order Comments	
Program: UST/PST	☐ PRP ☐ Brownfields ☐ RC ☐ perfund ☐
State of Project:	
Reporting: Level I	☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐
Deliverables: EDD	☐ ADaPT ☐ Other:

Project Name:		Turn Around		ANALYSIS REQUEST												Preservative Codes					
Marquardt 12-13 (06.01.2025)		☐ Routine ☒ Rush														None: NO DI Water: H ₂ O					
Project Number: 2749		Due Date: 48 Hours														Cool: Cool MeOH: Me					
Project Location: Eddy Co, NM																HCL: HC HNO ₃ : HN					
Sampler's Name: JDC																H ₂ SO ₄ : H ₂ NaOH: Na					
PO #:																H ₃ PO ₄ : HP					
SAMPLE RECEIPT		Temp Blank:		Wet Ice:		Parameters														Sample Comments	
Received intact:		Yes No		Yes No		BTEX 2 21B															
Cooler Custody Seals:		Yes No		Yes No		TPH 8015M (GRC + DRO + MRO)															
Sample Custody Seals:		Yes No		Yes No		Chloride 4500															
Total Containers:																					

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	6-10-25		6-10-25 1542

Chain of Custody

Work Order No: H253448Page 2 of 2

Page 22 of 22

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

Work Order Comments	
Program: UST/PST	☐ PRP ☐ Brownfields ☐ RC ☐ perfund ☐
State of Project:	
Reporting: Level II	☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐
Deliverables: EDD	☐ ADaPT ☐ Other:

Project Name:	Marquardt 12-13 (06.01.2025)		Turn Around *		Pres. Code	ANALYSIS REQUEST																Preservative Codes				
Project Number:	2749		☐ Routine ☒ Rush			Parameters	BTEX 8/21B TPH 8015M (GRC + DRO + MRO) Chloride 4500																None: NO		DI Water: H ₂ O	
Project Location:	Eddy Co, NM		Due Date:	48 Hours																			Hold	Cool: Cool		MeOH: Me
Sampler's Name:	JDC																							HCL: HC		HNO ₃ : HN
PO #:																						H ₂ SO ₄ : H ₂		NaOH: Na		
SAMPLE RECEIPT		Temp Blank:	Yes ☒ No ☐	Wet Ice:	Yes ☐ No ☒																	H ₃ PO ₄ : HP				
Received Inlet:	Yes ☒ No ☐	Thermometer ID:	#190																			NaHSC ₄ : NABIC				
Cooler Custody Seals:	Yes ☐ No ☒ N/A	Correction Factor:	+0.3E																			Na ₂ S ₂ O ₃ : NaSO ₃				
Sample Custody Seals:	Yes ☐ No ☒ N/A	Temperature Reading:	4.9C																			Zn Acetate+NaOH: Zn				
Total Containers:		Corrected Temperature:	5.2C																			NaOH+Ascorbic Acid: SAPC				
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont																	Sample Comments			
T-3 (2.0')	6/10/2025		X		G	1	X	X	X																	
T-3 (3.0')	6/10/2025		X		G	1	X	X	X																	
T-3 (4.0')R	6/10/2025		X		G	1	X	X	X																	
T-4 (0-1.0')	6/10/2025		X		G	1	X	X	X																	
T-4 (1.5')	6/10/2025		X		G	1	X	X	X																	
T-4 (2.0')	6/10/2025		X		G	1	X	X	X																	
T-4 (3.0')	6/10/2025		X		G	1	X	X	X																	
T-4 (4.0')R	6/10/2025		X		G	1	X	X	X																	

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	6-10-25		6-10-25 1542



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

June 16, 2025

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: MARQUARDT 12-13 (06.01.2025)

Enclosed are the results of analyses for samples received by the laboratory on 06/10/25 15:42.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/10/2025	Sampling Date:	06/10/2025
Reported:	06/16/2025	Sampling Type:	Soil
Project Name:	MARQUARDT 12-13 (06.01.2025)	Sampling Condition:	Cool & Intact
Project Number:	2749	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY CO, NM		

Sample ID: H - 1 (0-0.5') (H253449-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2025	ND	1.85	92.6	2.00	1.71	
Toluene*	<0.050	0.050	06/11/2025	ND	1.90	94.8	2.00	3.38	
Ethylbenzene*	<0.050	0.050	06/11/2025	ND	1.91	95.6	2.00	3.61	
Total Xylenes*	<0.150	0.150	06/11/2025	ND	5.74	95.6	6.00	3.45	
Total BTX	<0.300	0.300	06/11/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	06/11/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2025	ND	209	104	200	0.249	
DRO >C10-C28*	<10.0	10.0	06/11/2025	ND	194	97.1	200	3.08	
EXT DRO >C28-C36	<10.0	10.0	06/11/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 105 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/10/2025
 Reported: 06/16/2025
 Project Name: MARQUARDT 12-13 (06.01.2025)
 Project Number: 2749
 Project Location: CIMAREX - EDDY CO, NM

Sampling Date: 06/10/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H - 2 (0-0.5') (H253449-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/11/2025	ND	1.85	92.6	2.00	1.71		
Toluene*	<0.050	0.050	06/11/2025	ND	1.90	94.8	2.00	3.38		
Ethylbenzene*	<0.050	0.050	06/11/2025	ND	1.91	95.6	2.00	3.61		
Total Xylenes*	<0.150	0.150	06/11/2025	ND	5.74	95.6	6.00	3.45		
Total BTEX	<0.300	0.300	06/11/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	06/11/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2025	ND	209	104	200	0.249	
DRO >C10-C28*	<10.0	10.0	06/16/2025	ND	194	97.1	200	3.08	
EXT DRO >C28-C36	<10.0	10.0	06/16/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 97.8 % 40.6-153

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Analytical Results For:

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

Received: 06/10/2025
 Reported: 06/16/2025
 Project Name: MARQUARDT 12-13 (06.01.2025)
 Project Number: 2749
 Project Location: CIMAREX - EDDY CO, NM

Sampling Date: 06/10/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H - 3 (0-0.5') (H253449-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/11/2025	ND	1.85	92.6	2.00	1.71		
Toluene*	<0.050	0.050	06/11/2025	ND	1.90	94.8	2.00	3.38		
Ethylbenzene*	<0.050	0.050	06/11/2025	ND	1.91	95.6	2.00	3.61		
Total Xylenes*	<0.150	0.150	06/11/2025	ND	5.74	95.6	6.00	3.45		
Total BTEX	<0.300	0.300	06/11/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	06/11/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2025	ND	209	104	200	0.249	
DRO >C10-C28*	<10.0	10.0	06/11/2025	ND	194	97.1	200	3.08	
EXT DRO >C28-C36	<10.0	10.0	06/11/2025	ND					

Surrogate: 1-Chlorooctane 57.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 57.7 % 40.6-153

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Analytical Results For:

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

Received: 06/10/2025
 Reported: 06/16/2025
 Project Name: MARQUARDT 12-13 (06.01.2025)
 Project Number: 2749
 Project Location: CIMAREX - EDDY CO, NM

Sampling Date: 06/10/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H - 4 (0-0.5') (H253449-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/11/2025	ND	1.85	92.6	2.00	1.71		
Toluene*	<0.050	0.050	06/11/2025	ND	1.90	94.8	2.00	3.38		
Ethylbenzene*	<0.050	0.050	06/11/2025	ND	1.91	95.6	2.00	3.61		
Total Xylenes*	<0.150	0.150	06/11/2025	ND	5.74	95.6	6.00	3.45		
Total BTEX	<0.300	0.300	06/11/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	06/11/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2025	ND	209	104	200	0.249	
DRO >C10-C28*	<10.0	10.0	06/11/2025	ND	194	97.1	200	3.08	
EXT DRO >C28-C36	<10.0	10.0	06/11/2025	ND					

Surrogate: 1-Chlorooctane 107 % 44.4-145

Surrogate: 1-Chlorooctadecane 112 % 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: 06/10/2025
 Reported: 06/16/2025
 Project Name: MARQUARDT 12-13 (06.01.2025)
 Project Number: 2749
 Project Location: CIMAREX - EDDY CO, NM

Sampling Date: 06/10/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H - 5 (0-0.5') (H253449-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/11/2025	ND	1.85	92.6	2.00	1.71		
Toluene*	<0.050	0.050	06/11/2025	ND	1.90	94.8	2.00	3.38		
Ethylbenzene*	<0.050	0.050	06/11/2025	ND	1.91	95.6	2.00	3.61		
Total Xylenes*	<0.150	0.150	06/11/2025	ND	5.74	95.6	6.00	3.45		
Total BTEX	<0.300	0.300	06/11/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/11/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2025	ND	209	104	200	0.249	
DRO >C10-C28*	<10.0	10.0	06/11/2025	ND	194	97.1	200	3.08	
EXT DRO >C28-C36	<10.0	10.0	06/11/2025	ND					

Surrogate: 1-Chlorooctane 96.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 101 % 40.6-153

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Analytical Results For:

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

Received: 06/10/2025
 Reported: 06/16/2025
 Project Name: MARQUARDT 12-13 (06.01.2025)
 Project Number: 2749
 Project Location: CIMAREX - EDDY CO, NM

Sampling Date: 06/10/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H - 6 (0-0.5') (H253449-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/11/2025	ND	1.85	92.6	2.00	1.71		
Toluene*	<0.050	0.050	06/11/2025	ND	1.90	94.8	2.00	3.38		
Ethylbenzene*	<0.050	0.050	06/11/2025	ND	1.91	95.6	2.00	3.61		
Total Xylenes*	<0.150	0.150	06/11/2025	ND	5.74	95.6	6.00	3.45		
Total BTEX	<0.300	0.300	06/11/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	06/11/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2025	ND	209	104	200	0.249	
DRO >C10-C28*	<10.0	10.0	06/11/2025	ND	194	97.1	200	3.08	
EXT DRO >C28-C36	<10.0	10.0	06/11/2025	ND					

Surrogate: 1-Chlorooctane 96.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.3 % 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: 06/10/2025
 Reported: 06/16/2025
 Project Name: MARQUARDT 12-13 (06.01.2025)
 Project Number: 2749
 Project Location: CIMAREX - EDDY CO, NM

Sampling Date: 06/10/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H - 7 (0-0.5') (H253449-07)

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	06/11/2025	ND	1.85	92.6	2.00	1.71		
Toluene*	<0.050	0.050	06/11/2025	ND	1.90	94.8	2.00	3.38		
Ethylbenzene*	<0.050	0.050	06/11/2025	ND	1.91	95.6	2.00	3.61		
Total Xylenes*	<0.150	0.150	06/11/2025	ND	5.74	95.6	6.00	3.45		
Total BTEX	<0.300	0.300	06/11/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/11/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2025	ND	209	104	200	0.249	
DRO >C10-C28*	<10.0	10.0	06/11/2025	ND	194	97.1	200	3.08	
EXT DRO >C28-C36	<10.0	10.0	06/11/2025	ND					

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 108 % 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: 06/10/2025
 Reported: 06/16/2025
 Project Name: MARQUARDT 12-13 (06.01.2025)
 Project Number: 2749
 Project Location: CIMAREX - EDDY CO, NM

Sampling Date: 06/10/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H - 8 (0-0.5') (H253449-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/11/2025	ND	1.85	92.6	2.00	1.71		
Toluene*	<0.050	0.050	06/11/2025	ND	1.90	94.8	2.00	3.38		
Ethylbenzene*	<0.050	0.050	06/11/2025	ND	1.91	95.6	2.00	3.61		
Total Xylenes*	<0.150	0.150	06/11/2025	ND	5.74	95.6	6.00	3.45		
Total BTEX	<0.300	0.300	06/11/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	06/11/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2025	ND	209	104	200	0.249	
DRO >C10-C28*	<10.0	10.0	06/11/2025	ND	194	97.1	200	3.08	
EXT DRO >C28-C36	<10.0	10.0	06/11/2025	ND					

Surrogate: 1-Chlorooctane 88.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.6 % 40.6-153

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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No:

H253449

Page 1 of 1

Page 11 of 11

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

Work Order Comments	
Program:	UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ Superfund ☐
State of Project:	
Reporting:	Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐
Deliverables:	EDD ☐ ADaPT ☐ Other: ☐

Project Information							ANALYSIS REQUEST															Preservative Codes	
Project Name:	Marquardt 12-13 (06.01.2025)			Turn Around		Pres. Code																None: NO DI Water: H ₂ O	
Project Number:	2749			☒ Routine	☐ Rush																	Cool: Cool MeOH: Me	
Project Location:	Eddy Co, NM			Due Date:	Standard																	HCL: HC HNO ₃ : HN	
Sampler's Name:	JDC																					H ₂ SO ₄ : H ₂ NaOH: Na	
PO #:																						H ₃ PO ₄ : HP	
SAMPLE RECEIPT		Temp Blank:	Yes ☐ No ☒	Wet Ice:	Yes ☐ No ☒																	NaHSO ₄ : NaHS	
Received intact:		Yes ☒ No ☐	Thermometer ID:	#140																		Na ₂ S ₂ O ₃ : NaSO ₃	
Cooler Custody Seals:		Yes ☐ No ☒ N/A	Correction Factor:	+0.5°C																		Zn Acetate+NaOH: Zn	
Sample Custody Seals:		Yes ☐ No ☒ N/A	Temperature Reading:	4.9°C																		NaOH+Ascorbic Acid: SAPC	
Total Containers:				Corrected Temperature:	5.2°C																		
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont																Sample Comments	
H-1 (0-0.5')	6/10/2025		X		G	1	X	X	X														
H-2 (0-0.5')	6/10/2025		X		G	1	X	X	X														
H-3 (0-0.5')	6/10/2025		X		G	1	X	X	X														
H-4 (0-0.5')	6/10/2025		X		G	1	X	X	X														
H-5 (0-0.5')	6/10/2025		X		G	1	X	X	X														
H-6 (0-0.5')	6/10/2025		X		G	1	X	X	X														
H-7 (0-0.5')	6/10/2025		X		G	1	X	X	X														
H-8 (0-0.5')	6/10/2025		X		G	1	X	X	X														

Comments:

Relinquished by: (Signature)

Date/Time

6/10/25

Received by: (Signature)

Date/Time

6/10/25/1523



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/23/2025 11:39:51 AM

JOB DESCRIPTION

Marquardt 12-13 (06.01.2025)
2749

JOB NUMBER

890-8490-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

Eurofins Carlsbad

Job Notes

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

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

Authorization



Generated
7/23/2025 11:39:51 AM

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

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Laboratory Job ID: 890-8490-1
SDG: 2749

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1

Job ID: 890-8490-1

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Job Narrative 890-8490-1

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

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

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

Receipt

The samples were received on 7/21/2025 4:14 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 2.6°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS - 1 (4.5') (890-8490-1), CS - 2 (4.5') (890-8490-2), CS - 3 (4.5') (890-8490-3), CS - 4 (4.5') (890-8490-4), CS - 5 (4.5') (890-8490-5), CS - 6 (4.5') (890-8490-6), CS - 7 (4.5') (890-8490-7), CS - 8 (4.5') (890-8490-8), CS - 9 (4.5') (890-8490-9), CS - 10 (4.5') (890-8490-10), CS - 11 (4.5') (890-8490-11), CS - 12 (4.5') (890-8490-12), CS - 13 (4.5') (890-8490-13), CS - 14 (3.0') (890-8490-14), CS - 15 (3.0') (890-8490-15), CS - 16 (3.0') (890-8490-16), CS - 17 (3.0') (890-8490-17), CS - 18 (3.0') (890-8490-18), CS - 19 (3.0') (890-8490-19), SW - 1 (4.5') (890-8490-20), SW - 2 (4.5') (890-8490-21), SW - 3 (4.5') (890-8490-22), SW - 4 (3.0') (890-8490-23), SW - 5 (4.5') (890-8490-24), SW - 6 (3.0') (890-8490-25), SW - 7 (3.0') (890-8490-26), SW - 8 (4.5') (890-8490-27), SW - 9 (4.5') (890-8490-28), SW - 10 (3.0') (890-8490-29), SW - 11 (3.0') (890-8490-30), SW - 12 (4.5') (890-8490-31) and SW - 13 (3.0'-4.5') (890-8490-32).

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: Surrogate recovery for the following sample was outside control limits: CS - 18 (3.0') (890-8490-18). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-114633/2-A) and (LCSD 880-114633/3-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-114633 and analytical batch 880-114680 was outside the upper control limits.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-114633 and analytical batch 880-114680 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.

HPLC/IC

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-114655 and analytical batch 880-114674 were outside control limits. 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.

The associated samples are: SW - 4 (3.0') (890-8490-23), SW - 5 (4.5') (890-8490-24), SW - 6 (3.0') (890-8490-25), SW - 7 (3.0') (890-8490-26), SW - 8 (4.5') (890-8490-27), SW - 9 (4.5') (890-8490-28), SW - 10 (3.0') (890-8490-29), SW - 11 (3.0') (890-8490-30), SW - 12 (4.5') (890-8490-31), SW - 13 (3.0'-4.5') (890-8490-32), (890-8490-A-23-D MS) and (890-8490-A-23-E MSD).

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Case Narrative

Client: Carmona Resources
Project: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1

Job ID: 890-8490-1 (Continued) **Eurofins Carlsbad**

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

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Client Sample Results

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

Client Sample ID: CS - 1 (4.5')

Lab Sample ID: 890-8490-1

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:14	07/22/25 11:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:14	07/22/25 11:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:14	07/22/25 11:54	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/22/25 08:14	07/22/25 11:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:14	07/22/25 11:54	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/22/25 08:14	07/22/25 11:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	07/22/25 08:14	07/22/25 11:54	1
1,4-Difluorobenzene (Surr)	93		70 - 130	07/22/25 08:14	07/22/25 11:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/22/25 11:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/22/25 15:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/22/25 08:14	07/22/25 15:29	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/22/25 08:14	07/22/25 15:29	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/22/25 08:14	07/22/25 15:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	104		70 - 130	07/22/25 08:14	07/22/25 15:29	1
o-Terphenyl (Surr)	106		70 - 130	07/22/25 08:14	07/22/25 15:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	130		9.98		mg/Kg			07/22/25 13:12	1

Client Sample ID: CS - 2 (4.5')

Lab Sample ID: 890-8490-2

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:14	07/22/25 12:14	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:14	07/22/25 12:14	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:14	07/22/25 12:14	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/22/25 08:14	07/22/25 12:14	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:14	07/22/25 12:14	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/22/25 08:14	07/22/25 12:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	07/22/25 08:14	07/22/25 12:14	1
1,4-Difluorobenzene (Surr)	106		70 - 130	07/22/25 08:14	07/22/25 12:14	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

Client Sample ID: CS - 2 (4.5')

Lab Sample ID: 890-8490-2

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/22/25 12:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			07/22/25 15:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		07/22/25 08:14	07/22/25 15:44	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		07/22/25 08:14	07/22/25 15:44	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		07/22/25 08:14	07/22/25 15:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	102		70 - 130				07/22/25 08:14	07/22/25 15:44	1
o-Terphenyl (Surr)	105		70 - 130				07/22/25 08:14	07/22/25 15:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	85.6		10.1		mg/Kg			07/22/25 13:34	1

Client Sample ID: CS - 3 (4.5')

Lab Sample ID: 890-8490-3

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/22/25 08:14	07/22/25 12:35	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/22/25 08:14	07/22/25 12:35	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/22/25 08:14	07/22/25 12:35	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/22/25 08:14	07/22/25 12:35	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/22/25 08:14	07/22/25 12:35	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/22/25 08:14	07/22/25 12:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				07/22/25 08:14	07/22/25 12:35	1
1,4-Difluorobenzene (Surr)	104		70 - 130				07/22/25 08:14	07/22/25 12:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			07/22/25 12:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/22/25 16:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/22/25 08:14	07/22/25 16:00	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/22/25 08:14	07/22/25 16:00	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

Client Sample ID: CS - 3 (4.5')

Lab Sample ID: 890-8490-3

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/22/25 08:14	07/22/25 16:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	112		70 - 130				07/22/25 08:14	07/22/25 16:00	1
o-Terphenyl (Surr)	114		70 - 130				07/22/25 08:14	07/22/25 16:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	98.8		10.1		mg/Kg			07/22/25 13:42	1

Client Sample ID: CS - 4 (4.5')

Lab Sample ID: 890-8490-4

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:14	07/22/25 12:55	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:14	07/22/25 12:55	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:14	07/22/25 12:55	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/22/25 08:14	07/22/25 12:55	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:14	07/22/25 12:55	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/22/25 08:14	07/22/25 12:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				07/22/25 08:14	07/22/25 12:55	1
1,4-Difluorobenzene (Surr)	100		70 - 130				07/22/25 08:14	07/22/25 12:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/22/25 12:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/22/25 16:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/25 08:14	07/22/25 16:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/25 08:14	07/22/25 16:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 08:14	07/22/25 16:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	108		70 - 130				07/22/25 08:14	07/22/25 16:15	1
o-Terphenyl (Surr)	111		70 - 130				07/22/25 08:14	07/22/25 16:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	102		9.98		mg/Kg			07/22/25 13:50	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

Client Sample ID: CS - 5 (4.5')

Lab Sample ID: 890-8490-5

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:14	07/22/25 13:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:14	07/22/25 13:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:14	07/22/25 13:16	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/22/25 08:14	07/22/25 13:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:14	07/22/25 13:16	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/22/25 08:14	07/22/25 13:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	07/22/25 08:14	07/22/25 13:16	1
1,4-Difluorobenzene (Surr)	101		70 - 130	07/22/25 08:14	07/22/25 13:16	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/22/25 13:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/22/25 16:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/22/25 08:14	07/22/25 16:31	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/22/25 08:14	07/22/25 16:31	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/22/25 08:14	07/22/25 16:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	112		70 - 130	07/22/25 08:14	07/22/25 16:31	1
o-Terphenyl (Surr)	116		70 - 130	07/22/25 08:14	07/22/25 16:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	83.7		10.1		mg/Kg			07/22/25 13:57	1

Client Sample ID: CS - 6 (4.5')

Lab Sample ID: 890-8490-6

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/22/25 08:14	07/22/25 13:36	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/22/25 08:14	07/22/25 13:36	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/22/25 08:14	07/22/25 13:36	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		07/22/25 08:14	07/22/25 13:36	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/22/25 08:14	07/22/25 13:36	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/22/25 08:14	07/22/25 13:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	07/22/25 08:14	07/22/25 13:36	1
1,4-Difluorobenzene (Surr)	101		70 - 130	07/22/25 08:14	07/22/25 13:36	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

Client Sample ID: CS - 6 (4.5')

Lab Sample ID: 890-8490-6

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			07/22/25 13:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/22/25 16:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/22/25 08:14	07/22/25 16:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/22/25 08:14	07/22/25 16:46	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/22/25 08:14	07/22/25 16:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	110		70 - 130				07/22/25 08:14	07/22/25 16:46	1
o-Terphenyl (Surr)	112		70 - 130				07/22/25 08:14	07/22/25 16:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	93.1		10.0		mg/Kg			07/22/25 14:20	1

Client Sample ID: CS - 7 (4.5')

Lab Sample ID: 890-8490-7

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:14	07/22/25 13:57	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:14	07/22/25 13:57	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:14	07/22/25 13:57	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/22/25 08:14	07/22/25 13:57	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:14	07/22/25 13:57	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/22/25 08:14	07/22/25 13:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				07/22/25 08:14	07/22/25 13:57	1
1,4-Difluorobenzene (Surr)	102		70 - 130				07/22/25 08:14	07/22/25 13:57	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/22/25 13:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/22/25 17:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/25 08:14	07/22/25 17:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/25 08:14	07/22/25 17:20	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

Client Sample ID: CS - 7 (4.5')

Lab Sample ID: 890-8490-7

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 08:14	07/22/25 17:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	114		70 - 130				07/22/25 08:14	07/22/25 17:20	1
o-Terphenyl (Surr)	120		70 - 130				07/22/25 08:14	07/22/25 17:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	282		10.0		mg/Kg			07/22/25 14:28	1

Client Sample ID: CS - 8 (4.5')

Lab Sample ID: 890-8490-8

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:14	07/22/25 14:17	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:14	07/22/25 14:17	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:14	07/22/25 14:17	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/22/25 08:14	07/22/25 14:17	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:14	07/22/25 14:17	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/22/25 08:14	07/22/25 14:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				07/22/25 08:14	07/22/25 14:17	1
1,4-Difluorobenzene (Surr)	97		70 - 130				07/22/25 08:14	07/22/25 14:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/22/25 14:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/22/25 17:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/25 08:14	07/22/25 17:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/25 08:14	07/22/25 17:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 08:14	07/22/25 17:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	113		70 - 130				07/22/25 08:14	07/22/25 17:35	1
o-Terphenyl (Surr)	117		70 - 130				07/22/25 08:14	07/22/25 17:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	276		9.98		mg/Kg			07/22/25 14:36	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

Client Sample ID: CS - 9 (4.5')

Lab Sample ID: 890-8490-9

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:14	07/22/25 14:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:14	07/22/25 14:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:14	07/22/25 14:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/22/25 08:14	07/22/25 14:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:14	07/22/25 14:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/22/25 08:14	07/22/25 14:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	07/22/25 08:14	07/22/25 14:38	1
1,4-Difluorobenzene (Surr)	101		70 - 130	07/22/25 08:14	07/22/25 14:38	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/22/25 14:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/22/25 17:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/22/25 08:14	07/22/25 17:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/22/25 08:14	07/22/25 17:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/22/25 08:14	07/22/25 17:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	113		70 - 130	07/22/25 08:14	07/22/25 17:51	1
o-Terphenyl (Surr)	117		70 - 130	07/22/25 08:14	07/22/25 17:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	100		10.1		mg/Kg			07/22/25 14:43	1

Client Sample ID: CS - 10 (4.5')

Lab Sample ID: 890-8490-10

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/22/25 08:14	07/22/25 14:58	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/22/25 08:14	07/22/25 14:58	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/22/25 08:14	07/22/25 14:58	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		07/22/25 08:14	07/22/25 14:58	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/22/25 08:14	07/22/25 14:58	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		07/22/25 08:14	07/22/25 14:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	07/22/25 08:14	07/22/25 14:58	1
1,4-Difluorobenzene (Surr)	103		70 - 130	07/22/25 08:14	07/22/25 14:58	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

Client Sample ID: CS - 10 (4.5')

Lab Sample ID: 890-8490-10

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			07/22/25 14:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/22/25 18:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/22/25 08:14	07/22/25 18:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/22/25 08:14	07/22/25 18:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/22/25 08:14	07/22/25 18:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	110		70 - 130				07/22/25 08:14	07/22/25 18:06	1
o-Terphenyl (Surr)	116		70 - 130				07/22/25 08:14	07/22/25 18:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	110		10.1		mg/Kg			07/22/25 14:51	1

Client Sample ID: CS - 11 (4.5')

Lab Sample ID: 890-8490-11

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:14	07/22/25 16:33	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:14	07/22/25 16:33	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:14	07/22/25 16:33	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/22/25 08:14	07/22/25 16:33	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:14	07/22/25 16:33	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/22/25 08:14	07/22/25 16:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				07/22/25 08:14	07/22/25 16:33	1
1,4-Difluorobenzene (Surr)	93		70 - 130				07/22/25 08:14	07/22/25 16:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/22/25 16:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/22/25 18:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/25 08:14	07/22/25 18:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/25 08:14	07/22/25 18:22	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

Client Sample ID: CS - 11 (4.5')

Lab Sample ID: 890-8490-11

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 08:14	07/22/25 18:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	109		70 - 130				07/22/25 08:14	07/22/25 18:22	1
o-Terphenyl (Surr)	113		70 - 130				07/22/25 08:14	07/22/25 18:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	114		9.96		mg/Kg			07/22/25 14:59	1

Client Sample ID: CS - 12 (4.5')

Lab Sample ID: 890-8490-12

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:14	07/22/25 16:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:14	07/22/25 16:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:14	07/22/25 16:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/22/25 08:14	07/22/25 16:53	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:14	07/22/25 16:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/22/25 08:14	07/22/25 16:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				07/22/25 08:14	07/22/25 16:53	1
1,4-Difluorobenzene (Surr)	105		70 - 130				07/22/25 08:14	07/22/25 16:53	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/22/25 16:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/22/25 18:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/22/25 08:14	07/22/25 18:37	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/22/25 08:14	07/22/25 18:37	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/22/25 08:14	07/22/25 18:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	112		70 - 130				07/22/25 08:14	07/22/25 18:37	1
o-Terphenyl (Surr)	115		70 - 130				07/22/25 08:14	07/22/25 18:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	167		10.1		mg/Kg			07/22/25 15:21	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

Client Sample ID: CS - 13 (4.5')

Lab Sample ID: 890-8490-13

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:14	07/22/25 17:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:14	07/22/25 17:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:14	07/22/25 17:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/22/25 08:14	07/22/25 17:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:14	07/22/25 17:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/22/25 08:14	07/22/25 17:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	07/22/25 08:14	07/22/25 17:14	1
1,4-Difluorobenzene (Surr)	104		70 - 130	07/22/25 08:14	07/22/25 17:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/22/25 17:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	194		50.0		mg/Kg			07/22/25 18:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/25 08:14	07/22/25 18:52	1
Diesel Range Organics (Over C10-C28)	194		50.0		mg/Kg		07/22/25 08:14	07/22/25 18:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 08:14	07/22/25 18:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	109		70 - 130	07/22/25 08:14	07/22/25 18:52	1
o-Terphenyl (Surr)	112		70 - 130	07/22/25 08:14	07/22/25 18:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	269		10.1		mg/Kg			07/22/25 15:29	1

Client Sample ID: CS - 14 (3.0')

Lab Sample ID: 890-8490-14

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:14	07/22/25 17:34	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:14	07/22/25 17:34	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:14	07/22/25 17:34	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/22/25 08:14	07/22/25 17:34	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:14	07/22/25 17:34	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/22/25 08:14	07/22/25 17:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	07/22/25 08:14	07/22/25 17:34	1
1,4-Difluorobenzene (Surr)	101		70 - 130	07/22/25 08:14	07/22/25 17:34	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

Client Sample ID: CS - 14 (3.0')

Lab Sample ID: 890-8490-14

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/22/25 17:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	146		49.8		mg/Kg			07/22/25 19:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/22/25 08:14	07/22/25 19:08	1
Diesel Range Organics (Over C10-C28)	146		49.8		mg/Kg		07/22/25 08:14	07/22/25 19:08	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/22/25 08:14	07/22/25 19:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	106		70 - 130				07/22/25 08:14	07/22/25 19:08	1
o-Terphenyl (Surr)	110		70 - 130				07/22/25 08:14	07/22/25 19:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	307		9.98		mg/Kg			07/22/25 15:52	1

Client Sample ID: CS - 15 (3.0')

Lab Sample ID: 890-8490-15

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:14	07/22/25 17:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:14	07/22/25 17:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:14	07/22/25 17:55	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/22/25 08:14	07/22/25 17:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:14	07/22/25 17:55	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/22/25 08:14	07/22/25 17:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				07/22/25 08:14	07/22/25 17:55	1
1,4-Difluorobenzene (Surr)	103		70 - 130				07/22/25 08:14	07/22/25 17:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/22/25 17:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/22/25 19:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/25 08:14	07/22/25 19:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/25 08:14	07/22/25 19:23	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

Client Sample ID: CS - 15 (3.0')

Lab Sample ID: 890-8490-15

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 08:14	07/22/25 19:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	110		70 - 130				07/22/25 08:14	07/22/25 19:23	1
o-Terphenyl (Surr)	118		70 - 130				07/22/25 08:14	07/22/25 19:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	97.2		10.1		mg/Kg			07/22/25 16:00	1

Client Sample ID: CS - 16 (3.0')

Lab Sample ID: 890-8490-16

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:14	07/22/25 18:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:14	07/22/25 18:16	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:14	07/22/25 18:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/22/25 08:14	07/22/25 18:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:14	07/22/25 18:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/22/25 08:14	07/22/25 18:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				07/22/25 08:14	07/22/25 18:16	1
1,4-Difluorobenzene (Surr)	103		70 - 130				07/22/25 08:14	07/22/25 18:16	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/22/25 18:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/22/25 19:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/25 08:14	07/22/25 19:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/25 08:14	07/22/25 19:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 08:14	07/22/25 19:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130				07/22/25 08:14	07/22/25 19:39	1
o-Terphenyl (Surr)	112		70 - 130				07/22/25 08:14	07/22/25 19:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	172		10.1		mg/Kg			07/22/25 16:07	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

Client Sample ID: CS - 17 (3.0')

Lab Sample ID: 890-8490-17

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:14	07/22/25 18:36	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:14	07/22/25 18:36	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:14	07/22/25 18:36	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/22/25 08:14	07/22/25 18:36	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:14	07/22/25 18:36	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/22/25 08:14	07/22/25 18:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	07/22/25 08:14	07/22/25 18:36	1
1,4-Difluorobenzene (Surr)	103		70 - 130	07/22/25 08:14	07/22/25 18:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/22/25 18:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	63.4		49.9		mg/Kg			07/22/25 10:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	49.9		mg/Kg		07/22/25 08:15	07/22/25 10:20	1
Diesel Range Organics (Over C10-C28)	63.4	F1	49.9		mg/Kg		07/22/25 08:15	07/22/25 10:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/22/25 08:15	07/22/25 10:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	120		70 - 130	07/22/25 08:15	07/22/25 10:20	1
o-Terphenyl (Surr)	129		70 - 130	07/22/25 08:15	07/22/25 10:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	220		10.0		mg/Kg			07/22/25 16:15	1

Client Sample ID: CS - 18 (3.0')

Lab Sample ID: 890-8490-18

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:14	07/22/25 18:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:14	07/22/25 18:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:14	07/22/25 18:57	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/22/25 08:14	07/22/25 18:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:14	07/22/25 18:57	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/22/25 08:14	07/22/25 18:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	07/22/25 08:14	07/22/25 18:57	1
1,4-Difluorobenzene (Surr)	103		70 - 130	07/22/25 08:14	07/22/25 18:57	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

Client Sample ID: CS - 18 (3.0')

Lab Sample ID: 890-8490-18

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/22/25 18:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/22/25 11:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/25 08:15	07/22/25 11:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/25 08:15	07/22/25 11:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 08:15	07/22/25 11:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	124		70 - 130				07/22/25 08:15	07/22/25 11:07	1
o-Terphenyl (Surr)	133	S1+	70 - 130				07/22/25 08:15	07/22/25 11:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	180		9.98		mg/Kg			07/22/25 16:23	1

Client Sample ID: CS - 19 (3.0')

Lab Sample ID: 890-8490-19

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:14	07/22/25 19:17	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:14	07/22/25 19:17	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:14	07/22/25 19:17	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/22/25 08:14	07/22/25 19:17	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:14	07/22/25 19:17	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/22/25 08:14	07/22/25 19:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				07/22/25 08:14	07/22/25 19:17	1
1,4-Difluorobenzene (Surr)	97		70 - 130				07/22/25 08:14	07/22/25 19:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/22/25 19:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/22/25 11:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/25 08:15	07/22/25 11:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/25 08:15	07/22/25 11:22	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

Client Sample ID: CS - 19 (3.0')

Lab Sample ID: 890-8490-19

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 08:15	07/22/25 11:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	112		70 - 130				07/22/25 08:15	07/22/25 11:22	1
o-Terphenyl (Surr)	119		70 - 130				07/22/25 08:15	07/22/25 11:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	145		10.0		mg/Kg			07/22/25 16:30	1

Client Sample ID: SW - 1 (4.5')

Lab Sample ID: 890-8490-20

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:14	07/22/25 19:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:14	07/22/25 19:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:14	07/22/25 19:38	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/22/25 08:14	07/22/25 19:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:14	07/22/25 19:38	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/22/25 08:14	07/22/25 19:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				07/22/25 08:14	07/22/25 19:38	1
1,4-Difluorobenzene (Surr)	105		70 - 130				07/22/25 08:14	07/22/25 19:38	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/22/25 19:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/22/25 11:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/22/25 08:15	07/22/25 11:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/22/25 08:15	07/22/25 11:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/22/25 08:15	07/22/25 11:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	119		70 - 130				07/22/25 08:15	07/22/25 11:38	1
o-Terphenyl (Surr)	129		70 - 130				07/22/25 08:15	07/22/25 11:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	122		9.96		mg/Kg			07/22/25 13:09	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

Client Sample ID: SW - 2 (4.5')

Lab Sample ID: 890-8490-21

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/22/25 08:12	07/22/25 14:07	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/22/25 08:12	07/22/25 14:07	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/22/25 08:12	07/22/25 14:07	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		07/22/25 08:12	07/22/25 14:07	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/22/25 08:12	07/22/25 14:07	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/22/25 08:12	07/22/25 14:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	07/22/25 08:12	07/22/25 14:07	1
1,4-Difluorobenzene (Surr)	98		70 - 130	07/22/25 08:12	07/22/25 14:07	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			07/22/25 14:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/22/25 15:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/25 08:15	07/22/25 15:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/25 08:15	07/22/25 15:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 08:15	07/22/25 15:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	124		70 - 130	07/22/25 08:15	07/22/25 15:29	1
o-Terphenyl (Surr)	129		70 - 130	07/22/25 08:15	07/22/25 15:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	99.0		10.1		mg/Kg			07/22/25 13:15	1

Client Sample ID: SW - 3 (4.5')

Lab Sample ID: 890-8490-22

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:12	07/22/25 14:27	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:12	07/22/25 14:27	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:12	07/22/25 14:27	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/22/25 08:12	07/22/25 14:27	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:12	07/22/25 14:27	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/22/25 08:12	07/22/25 14:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	07/22/25 08:12	07/22/25 14:27	1
1,4-Difluorobenzene (Surr)	99		70 - 130	07/22/25 08:12	07/22/25 14:27	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

Client Sample ID: SW - 3 (4.5')

Lab Sample ID: 890-8490-22

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/22/25 14:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	136		49.8		mg/Kg			07/22/25 15:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/22/25 08:15	07/22/25 15:44	1
Diesel Range Organics (Over C10-C28)	136		49.8		mg/Kg		07/22/25 08:15	07/22/25 15:44	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/22/25 08:15	07/22/25 15:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	114		70 - 130				07/22/25 08:15	07/22/25 15:44	1
o-Terphenyl (Surr)	124		70 - 130				07/22/25 08:15	07/22/25 15:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1810		50.1		mg/Kg			07/22/25 13:21	5

Client Sample ID: SW - 4 (3.0')

Lab Sample ID: 890-8490-23

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:12	07/22/25 14:48	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:12	07/22/25 14:48	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:12	07/22/25 14:48	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/22/25 08:12	07/22/25 14:48	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:12	07/22/25 14:48	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/22/25 08:12	07/22/25 14:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				07/22/25 08:12	07/22/25 14:48	1
1,4-Difluorobenzene (Surr)	97		70 - 130				07/22/25 08:12	07/22/25 14:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/22/25 14:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/22/25 16:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/22/25 08:15	07/22/25 16:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/22/25 08:15	07/22/25 16:00	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

Client Sample ID: SW - 4 (3.0')

Lab Sample ID: 890-8490-23

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/22/25 08:15	07/22/25 16:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	123		70 - 130				07/22/25 08:15	07/22/25 16:00	1
o-Terphenyl (Surr)	128		70 - 130				07/22/25 08:15	07/22/25 16:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3350	F1	50.5		mg/Kg			07/22/25 13:26	5

Client Sample ID: SW - 5 (4.5')

Lab Sample ID: 890-8490-24

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:12	07/22/25 16:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:12	07/22/25 16:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:12	07/22/25 16:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/22/25 08:12	07/22/25 16:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:12	07/22/25 16:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/22/25 08:12	07/22/25 16:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				07/22/25 08:12	07/22/25 16:43	1
1,4-Difluorobenzene (Surr)	100		70 - 130				07/22/25 08:12	07/22/25 16:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/22/25 16:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/22/25 16:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/25 08:15	07/22/25 16:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/25 08:15	07/22/25 16:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 08:15	07/22/25 16:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	125		70 - 130				07/22/25 08:15	07/22/25 16:15	1
o-Terphenyl (Surr)	128		70 - 130				07/22/25 08:15	07/22/25 16:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	106		9.98		mg/Kg			07/22/25 13:43	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

Client Sample ID: SW - 6 (3.0')

Lab Sample ID: 890-8490-25

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/22/25 08:12	07/22/25 17:04	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/22/25 08:12	07/22/25 17:04	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/22/25 08:12	07/22/25 17:04	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		07/22/25 08:12	07/22/25 17:04	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/22/25 08:12	07/22/25 17:04	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		07/22/25 08:12	07/22/25 17:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	07/22/25 08:12	07/22/25 17:04	1
1,4-Difluorobenzene (Surr)	100		70 - 130	07/22/25 08:12	07/22/25 17:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			07/22/25 17:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/22/25 16:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/25 08:15	07/22/25 16:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/25 08:15	07/22/25 16:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 08:15	07/22/25 16:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	125		70 - 130	07/22/25 08:15	07/22/25 16:31	1
o-Terphenyl (Surr)	127		70 - 130	07/22/25 08:15	07/22/25 16:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	186		10.1		mg/Kg			07/22/25 13:49	1

Client Sample ID: SW - 7 (3.0')

Lab Sample ID: 890-8490-26

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:12	07/22/25 17:24	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:12	07/22/25 17:24	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:12	07/22/25 17:24	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/22/25 08:12	07/22/25 17:24	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:12	07/22/25 17:24	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/22/25 08:12	07/22/25 17:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	07/22/25 08:12	07/22/25 17:24	1
1,4-Difluorobenzene (Surr)	101		70 - 130	07/22/25 08:12	07/22/25 17:24	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

Client Sample ID: SW - 7 (3.0')

Lab Sample ID: 890-8490-26

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/22/25 17:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/22/25 16:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/25 08:15	07/22/25 16:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/25 08:15	07/22/25 16:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 08:15	07/22/25 16:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	120		70 - 130				07/22/25 08:15	07/22/25 16:46	1
o-Terphenyl (Surr)	121		70 - 130				07/22/25 08:15	07/22/25 16:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	238		10.1		mg/Kg			07/22/25 14:06	1

Client Sample ID: SW - 8 (4.5')

Lab Sample ID: 890-8490-27

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:12	07/22/25 17:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:12	07/22/25 17:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:12	07/22/25 17:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/22/25 08:12	07/22/25 17:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:12	07/22/25 17:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/22/25 08:12	07/22/25 17:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				07/22/25 08:12	07/22/25 17:45	1
1,4-Difluorobenzene (Surr)	98		70 - 130				07/22/25 08:12	07/22/25 17:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/22/25 17:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/22/25 17:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/22/25 08:15	07/22/25 17:20	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/22/25 08:15	07/22/25 17:20	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

Client Sample ID: SW - 8 (4.5')

Lab Sample ID: 890-8490-27

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/22/25 08:15	07/22/25 17:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	114		70 - 130				07/22/25 08:15	07/22/25 17:20	1
o-Terphenyl (Surr)	116		70 - 130				07/22/25 08:15	07/22/25 17:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	174		9.98		mg/Kg			07/22/25 14:12	1

Client Sample ID: SW - 9 (4.5)

Lab Sample ID: 890-8490-28

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:12	07/22/25 18:05	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:12	07/22/25 18:05	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:12	07/22/25 18:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/22/25 08:12	07/22/25 18:05	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:12	07/22/25 18:05	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/22/25 08:12	07/22/25 18:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				07/22/25 08:12	07/22/25 18:05	1
1,4-Difluorobenzene (Surr)	100		70 - 130				07/22/25 08:12	07/22/25 18:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/22/25 18:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/22/25 17:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/22/25 08:15	07/22/25 17:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/22/25 08:15	07/22/25 17:35	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/22/25 08:15	07/22/25 17:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	123		70 - 130				07/22/25 08:15	07/22/25 17:35	1
o-Terphenyl (Surr)	125		70 - 130				07/22/25 08:15	07/22/25 17:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	206		10.1		mg/Kg			07/22/25 14:17	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

Client Sample ID: SW - 10 (3.0')

Lab Sample ID: 890-8490-29

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:12	07/22/25 18:26	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:12	07/22/25 18:26	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:12	07/22/25 18:26	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/22/25 08:12	07/22/25 18:26	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:12	07/22/25 18:26	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/22/25 08:12	07/22/25 18:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	07/22/25 08:12	07/22/25 18:26	1
1,4-Difluorobenzene (Surr)	98		70 - 130	07/22/25 08:12	07/22/25 18:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/22/25 18:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/22/25 17:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/25 08:15	07/22/25 17:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/25 08:15	07/22/25 17:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 08:15	07/22/25 17:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	127		70 - 130	07/22/25 08:15	07/22/25 17:51	1
o-Terphenyl (Surr)	130		70 - 130	07/22/25 08:15	07/22/25 17:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4440		50.1		mg/Kg			07/22/25 14:23	5

Client Sample ID: SW - 11 (3.0')

Lab Sample ID: 890-8490-30

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:12	07/22/25 18:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:12	07/22/25 18:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:12	07/22/25 18:46	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/22/25 08:12	07/22/25 18:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:12	07/22/25 18:46	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/22/25 08:12	07/22/25 18:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	07/22/25 08:12	07/22/25 18:46	1
1,4-Difluorobenzene (Surr)	100		70 - 130	07/22/25 08:12	07/22/25 18:46	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

Client Sample ID: SW - 11 (3.0')

Lab Sample ID: 890-8490-30

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/22/25 18:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/22/25 18:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/22/25 08:15	07/22/25 18:06	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/22/25 08:15	07/22/25 18:06	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/22/25 08:15	07/22/25 18:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	125		70 - 130				07/22/25 08:15	07/22/25 18:06	1
o-Terphenyl (Surr)	130		70 - 130				07/22/25 08:15	07/22/25 18:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4390		49.9		mg/Kg			07/22/25 14:28	5

Client Sample ID: SW - 12 (4.5')

Lab Sample ID: 890-8490-31

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:12	07/22/25 19:06	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:12	07/22/25 19:06	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:12	07/22/25 19:06	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/22/25 08:12	07/22/25 19:06	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:12	07/22/25 19:06	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/22/25 08:12	07/22/25 19:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				07/22/25 08:12	07/22/25 19:06	1
1,4-Difluorobenzene (Surr)	99		70 - 130				07/22/25 08:12	07/22/25 19:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/22/25 19:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	123		49.9		mg/Kg			07/22/25 18:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/22/25 08:15	07/22/25 18:22	1
Diesel Range Organics (Over C10-C28)	123		49.9		mg/Kg		07/22/25 08:15	07/22/25 18:22	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

Client Sample ID: SW - 12 (4.5')

Lab Sample ID: 890-8490-31

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/22/25 08:15	07/22/25 18:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	119		70 - 130				07/22/25 08:15	07/22/25 18:22	1
o-Terphenyl (Surr)	123		70 - 130				07/22/25 08:15	07/22/25 18:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	349		10.0		mg/Kg			07/22/25 14:34	1

Client Sample ID: SW - 13 (3.0'-4.5')

Lab Sample ID: 890-8490-32

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:12	07/22/25 19:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:12	07/22/25 19:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:12	07/22/25 19:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/22/25 08:12	07/22/25 19:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:12	07/22/25 19:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/22/25 08:12	07/22/25 19:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				07/22/25 08:12	07/22/25 19:27	1
1,4-Difluorobenzene (Surr)	98		70 - 130				07/22/25 08:12	07/22/25 19:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/22/25 19:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/22/25 18:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/25 08:15	07/22/25 18:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/25 08:15	07/22/25 18:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 08:15	07/22/25 18:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	124		70 - 130				07/22/25 08:15	07/22/25 18:37	1
o-Terphenyl (Surr)	127		70 - 130				07/22/25 08:15	07/22/25 18:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	89.1		9.96		mg/Kg			07/22/25 14:40	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
890-8490-1	CS - 1 (4.5')	106	93
890-8490-1 MS	CS - 1 (4.5')	103	106
890-8490-1 MSD	CS - 1 (4.5')	99	102
890-8490-2	CS - 2 (4.5')	95	106
890-8490-3	CS - 3 (4.5')	99	104
890-8490-4	CS - 4 (4.5')	96	100
890-8490-5	CS - 5 (4.5')	94	101
890-8490-6	CS - 6 (4.5')	95	101
890-8490-7	CS - 7 (4.5')	102	102
890-8490-8	CS - 8 (4.5')	96	97
890-8490-9	CS - 9 (4.5')	98	101
890-8490-10	CS - 10 (4.5')	103	103
890-8490-11	CS - 11 (4.5')	114	93
890-8490-12	CS - 12 (4.5')	96	105
890-8490-13	CS - 13 (4.5')	96	104
890-8490-14	CS - 14 (3.0')	92	101
890-8490-15	CS - 15 (3.0')	101	103
890-8490-16	CS - 16 (3.0')	98	103
890-8490-17	CS - 17 (3.0')	96	103
890-8490-18	CS - 18 (3.0')	104	103
890-8490-19	CS - 19 (3.0')	101	97
890-8490-20	SW - 1 (4.5')	101	105
890-8490-21	SW - 2 (4.5')	110	98
890-8490-22	SW - 3 (4.5')	103	99
890-8490-23	SW - 4 (3.0')	108	97
890-8490-24	SW - 5 (4.5')	105	100
890-8490-25	SW - 6 (3.0')	103	100
890-8490-26	SW - 7 (3.0')	111	101
890-8490-27	SW - 8 (4.5')	110	98
890-8490-28	SW - 9 (4.5)	103	100
890-8490-29	SW - 10 (3.0')	109	98
890-8490-30	SW - 11 (3.0')	102	100
890-8490-31	SW - 12 (4.5')	106	99
890-8490-32	SW - 13 (3.0'-4.5')	108	98
890-8492-A-1-H MS	Matrix Spike	106	104
890-8492-A-1-I MSD	Matrix Spike Duplicate	104	103
LCS 880-114639/1-A	Lab Control Sample	100	104
LCS 880-114644/1-A	Lab Control Sample	101	112
LCSD 880-114639/2-A	Lab Control Sample Dup	102	105
LCSD 880-114644/2-A	Lab Control Sample Dup	97	107
MB 880-114639/5-A	Method Blank	96	94
MB 880-114644/5-A	Method Blank	102	88

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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Surrogate Summary

Client: Carmona Resources

Job ID: 890-8490-1

Project/Site: Marquardt 12-13 (06.01.2025)

SDG: 2749

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-8490-1	CS - 1 (4.5')	104	106
890-8490-2	CS - 2 (4.5')	102	105
890-8490-3	CS - 3 (4.5')	112	114
890-8490-4	CS - 4 (4.5')	108	111
890-8490-5	CS - 5 (4.5')	112	116
890-8490-6	CS - 6 (4.5')	110	112
890-8490-7	CS - 7 (4.5')	114	120
890-8490-8	CS - 8 (4.5')	113	117
890-8490-9	CS - 9 (4.5')	113	117
890-8490-10	CS - 10 (4.5')	110	116
890-8490-11	CS - 11 (4.5')	109	113
890-8490-12	CS - 12 (4.5')	112	115
890-8490-13	CS - 13 (4.5')	109	112
890-8490-14	CS - 14 (3.0')	106	110
890-8490-15	CS - 15 (3.0')	110	118
890-8490-16	CS - 16 (3.0')	107	112
890-8490-17	CS - 17 (3.0')	120	129
890-8490-17 MS	CS - 17 (3.0')	125	125
890-8490-17 MSD	CS - 17 (3.0')	124	121
890-8490-18	CS - 18 (3.0')	124	133 S1+
890-8490-19	CS - 19 (3.0')	112	119
890-8490-20	SW - 1 (4.5')	119	129
890-8490-21	SW - 2 (4.5')	124	129
890-8490-22	SW - 3 (4.5')	114	124
890-8490-23	SW - 4 (3.0')	123	128
890-8490-24	SW - 5 (4.5')	125	128
890-8490-25	SW - 6 (3.0')	125	127
890-8490-26	SW - 7 (3.0')	120	121
890-8490-27	SW - 8 (4.5')	114	116
890-8490-28	SW - 9 (4.5)	123	125
890-8490-29	SW - 10 (3.0')	127	130
890-8490-30	SW - 11 (3.0')	125	130
890-8490-31	SW - 12 (4.5')	119	123
890-8490-32	SW - 13 (3.0'-4.5')	124	127
890-8492-A-1-F MS	Matrix Spike	111	108
890-8492-A-1-G MSD	Matrix Spike Duplicate	109	106
LCS 880-114632/2-A	Lab Control Sample	120	116
LCS 880-114633/2-A	Lab Control Sample	131 S1+	135 S1+
LCSD 880-114632/3-A	Lab Control Sample Dup	124	119
LCSD 880-114633/3-A	Lab Control Sample Dup	136 S1+	140 S1+
MB 880-114632/1-A	Method Blank	107	122
MB 880-114633/1-A	Method Blank	118	133 S1+

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

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QC Sample Results

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-114639/5-A

Matrix: Solid

Analysis Batch: 114646

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114639

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:12	07/22/25 11:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:12	07/22/25 11:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:12	07/22/25 11:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/22/25 08:12	07/22/25 11:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:12	07/22/25 11:22	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/22/25 08:12	07/22/25 11:22	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	07/22/25 08:12	07/22/25 11:22	1
1,4-Difluorobenzene (Surr)	94		70 - 130	07/22/25 08:12	07/22/25 11:22	1

Lab Sample ID: LCS 880-114639/1-A

Matrix: Solid

Analysis Batch: 114646

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 114639

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1027		mg/Kg		103	70 - 130
Toluene	0.100	0.08831		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.09374		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	0.200	0.1822		mg/Kg		91	70 - 130
o-Xylene	0.100	0.09211		mg/Kg		92	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: LCSD 880-114639/2-A

Matrix: Solid

Analysis Batch: 114646

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 114639

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1071		mg/Kg		107	70 - 130	4	35
Toluene	0.100	0.09198		mg/Kg		92	70 - 130	4	35
Ethylbenzene	0.100	0.09747		mg/Kg		97	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.1895		mg/Kg		95	70 - 130	4	35
o-Xylene	0.100	0.09564		mg/Kg		96	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 890-8492-A-1-H MS

Matrix: Solid

Analysis Batch: 114646

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 114639

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1036		mg/Kg		104	70 - 130
Toluene	<0.00200	U	0.100	0.08880		mg/Kg		89	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

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

Lab Sample ID: 890-8492-A-1-H MS

Matrix: Solid

Analysis Batch: 114646

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 114639

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.09438		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1836		mg/Kg		92	70 - 130
o-Xylene	<0.00200	U	0.100	0.09282		mg/Kg		93	70 - 130

Surrogate	MS %Recovery	MS Qualifier	MS Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 890-8492-A-1-I MSD

Matrix: Solid

Analysis Batch: 114646

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 114639

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.1008		mg/Kg		101	70 - 130	3	35
Toluene	<0.00200	U	0.100	0.08690		mg/Kg		87	70 - 130	2	35
Ethylbenzene	<0.00200	U	0.100	0.09249		mg/Kg		92	70 - 130	2	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1796		mg/Kg		90	70 - 130	2	35
o-Xylene	<0.00200	U	0.100	0.09066		mg/Kg		91	70 - 130	2	35

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: MB 880-114644/5-A

Matrix: Solid

Analysis Batch: 114647

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114644

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:14	07/22/25 11:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:14	07/22/25 11:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:14	07/22/25 11:32	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/22/25 08:14	07/22/25 11:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:14	07/22/25 11:32	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/22/25 08:14	07/22/25 11:32	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	07/22/25 08:14	07/22/25 11:32	1
1,4-Difluorobenzene (Surr)	88		70 - 130	07/22/25 08:14	07/22/25 11:32	1

Lab Sample ID: LCS 880-114644/1-A

Matrix: Solid

Analysis Batch: 114647

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 114644

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1032		mg/Kg		103	70 - 130
Toluene	0.100	0.09234		mg/Kg		92	70 - 130
Ethylbenzene	0.100	0.1034		mg/Kg		103	70 - 130
m-Xylene & p-Xylene	0.200	0.2046		mg/Kg		102	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

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

Lab Sample ID: LCS 880-114644/1-A

Matrix: Solid

Analysis Batch: 114647

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 114644

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.1017		mg/Kg		102	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: LCSD 880-114644/2-A

Matrix: Solid

Analysis Batch: 114647

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 114644

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1038		mg/Kg		104	70 - 130	1	35
Toluene	0.100	0.09397		mg/Kg		94	70 - 130	2	35
Ethylbenzene	0.100	0.1058		mg/Kg		106	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2086		mg/Kg		104	70 - 130	2	35
o-Xylene	0.100	0.1035		mg/Kg		103	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: 890-8490-1 MS

Matrix: Solid

Analysis Batch: 114647

Client Sample ID: CS - 1 (4.5')

Prep Type: Total/NA

Prep Batch: 114644

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09896		mg/Kg		99	70 - 130
Toluene	<0.00200	U	0.100	0.08991		mg/Kg		90	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.1005		mg/Kg		100	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1985		mg/Kg		99	70 - 130
o-Xylene	<0.00200	U	0.100	0.09837		mg/Kg		98	70 - 130

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

Lab Sample ID: 890-8490-1 MSD

Matrix: Solid

Analysis Batch: 114647

Client Sample ID: CS - 1 (4.5')

Prep Type: Total/NA

Prep Batch: 114644

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.1004		mg/Kg		100	70 - 130	1	35
Toluene	<0.00200	U	0.100	0.09227		mg/Kg		92	70 - 130	3	35
Ethylbenzene	<0.00200	U	0.100	0.1023		mg/Kg		102	70 - 130	2	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2018		mg/Kg		101	70 - 130	2	35
o-Xylene	<0.00200	U	0.100	0.09985		mg/Kg		100	70 - 130	1	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

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

Lab Sample ID: 890-8490-1 MSD

Matrix: Solid

Analysis Batch: 114647

Client Sample ID: CS - 1 (4.5')

Prep Type: Total/NA

Prep Batch: 114644

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

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

Lab Sample ID: MB 880-114632/1-A

Matrix: Solid

Analysis Batch: 114678

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114632

Analyte	MB	MB								
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/25 08:10	07/22/25 03:17	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/25 08:10	07/22/25 03:17	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 08:10	07/22/25 03:17	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
1-Chlorooctane (Surr)	107		70 - 130				07/22/25 08:10	07/22/25 03:17	1	
o-Terphenyl (Surr)	122		70 - 130				07/22/25 08:10	07/22/25 03:17	1	

Lab Sample ID: LCS 880-114632/2-A

Matrix: Solid

Analysis Batch: 114678

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 114632

Analyte	Spike	LCS	LCS					%Rec		
	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Gasoline Range Organics (GRO)-C6-C10	1000	1006		mg/Kg		101	70 - 130			
Diesel Range Organics (Over C10-C28)	1000	878.2		mg/Kg		88	70 - 130			
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane (Surr)	120		70 - 130							
o-Terphenyl (Surr)	116		70 - 130							

Lab Sample ID: LCSD 880-114632/3-A

Matrix: Solid

Analysis Batch: 114678

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 114632

Analyte	Spike	LCSD	LCSD					%Rec		RPD
	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	1000	1022		mg/Kg		102	70 - 130	2	20	
Diesel Range Organics (Over C10-C28)	1000	926.6		mg/Kg		93	70 - 130	5	20	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane (Surr)	124		70 - 130							
o-Terphenyl (Surr)	119		70 - 130							

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QC Sample Results

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

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

Lab Sample ID: 890-8492-A-1-F MS

Matrix: Solid

Analysis Batch: 114678

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 114632

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	816.1		mg/Kg		82	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	999	756.4		mg/Kg		73	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane (Surr)	111		70 - 130						
o-Terphenyl (Surr)	108		70 - 130						

Lab Sample ID: 890-8492-A-1-G MSD

Matrix: Solid

Analysis Batch: 114678

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 114632

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	803.2		mg/Kg		80	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	736.1		mg/Kg		71	70 - 130	3	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	109		70 - 130								
o-Terphenyl (Surr)	106		70 - 130								

Lab Sample ID: MB 880-114633/1-A

Matrix: Solid

Analysis Batch: 114680

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114633

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/25 08:10	07/22/25 03:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/25 08:10	07/22/25 03:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 08:10	07/22/25 03:17	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	118		70 - 130				07/22/25 08:10	07/22/25 03:17	1
o-Terphenyl (Surr)	133	S1+	70 - 130				07/22/25 08:10	07/22/25 03:17	1

Lab Sample ID: LCS 880-114633/2-A

Matrix: Solid

Analysis Batch: 114680

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 114633

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	991.6		mg/Kg		99	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1194		mg/Kg		119	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

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

Lab Sample ID: LCS 880-114633/2-A

Matrix: Solid

Analysis Batch: 114680

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 114633

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	131	S1+	70 - 130
o-Terphenyl (Surr)	135	S1+	70 - 130

Lab Sample ID: LCSD 880-114633/3-A

Matrix: Solid

Analysis Batch: 114680

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 114633

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1017		mg/Kg		102	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	1205		mg/Kg		121	70 - 130	1	20
Surrogate	LCSD	LCSD									
	%Recovery	Qualifier									
1-Chlorooctane (Surr)	136	S1+									
o-Terphenyl (Surr)	140	S1+									

Lab Sample ID: 890-8490-17 MS

Matrix: Solid

Analysis Batch: 114680

Client Sample ID: CS - 17 (3.0')

Prep Type: Total/NA

Prep Batch: 114633

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	1000	527.5	F1	mg/Kg		53	70 - 130		
Diesel Range Organics (Over C10-C28)	63.4	F1	1000	589.9	F1	mg/Kg		53	70 - 130		
Surrogate	MS	MS									
	%Recovery	Qualifier									
1-Chlorooctane (Surr)	125										
o-Terphenyl (Surr)	125										

Lab Sample ID: 890-8490-17 MSD

Matrix: Solid

Analysis Batch: 114680

Client Sample ID: CS - 17 (3.0')

Prep Type: Total/NA

Prep Batch: 114633

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	1000	529.0	F1	mg/Kg		53	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	63.4	F1	1000	584.1	F1	mg/Kg		52	70 - 130	1	20
Surrogate	MSD	MSD									
	%Recovery	Qualifier									
1-Chlorooctane (Surr)	124										
o-Terphenyl (Surr)	121										

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QC Sample Results

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-114655/1-A

Matrix: Solid

Analysis Batch: 114674

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			07/22/25 11:33	1

Lab Sample ID: LCS 880-114655/2-A

Matrix: Solid

Analysis Batch: 114674

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	247.4		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-114655/3-A

Matrix: Solid

Analysis Batch: 114674

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	246.2		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 890-8490-23 MS

Matrix: Solid

Analysis Batch: 114674

Client Sample ID: SW - 4 (3.0')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3350	F1	1260	5226	F1	mg/Kg		149	90 - 110

Lab Sample ID: 890-8490-23 MSD

Matrix: Solid

Analysis Batch: 114674

Client Sample ID: SW - 4 (3.0')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3350	F1	1260	5229	F1	mg/Kg		149	90 - 110	0	20

Lab Sample ID: MB 880-114650/1-A

Matrix: Solid

Analysis Batch: 114676

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			07/22/25 12:49	1

Lab Sample ID: LCS 880-114650/2-A

Matrix: Solid

Analysis Batch: 114676

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	232.9		mg/Kg		93	90 - 110

Lab Sample ID: LCSD 880-114650/3-A

Matrix: Solid

Analysis Batch: 114676

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	227.3		mg/Kg		91	90 - 110	2	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-8490-1 MS

Matrix: Solid

Analysis Batch: 114676

Client Sample ID: CS - 1 (4.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	130		250	362.6		mg/Kg		93	90 - 110		

Lab Sample ID: 890-8490-1 MSD

Matrix: Solid

Analysis Batch: 114676

Client Sample ID: CS - 1 (4.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	130		250	354.2		mg/Kg		90	90 - 110	2	20

Lab Sample ID: 890-8490-11 MS

Matrix: Solid

Analysis Batch: 114676

Client Sample ID: CS - 11 (4.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	114		249	349.8		mg/Kg		95	90 - 110		

Lab Sample ID: 890-8490-11 MSD

Matrix: Solid

Analysis Batch: 114676

Client Sample ID: CS - 11 (4.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	114		249	351.3		mg/Kg		95	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

GC VOA

Prep Batch: 114639

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8490-21	SW - 2 (4.5')	Total/NA	Solid	5035	
890-8490-22	SW - 3 (4.5')	Total/NA	Solid	5035	
890-8490-23	SW - 4 (3.0')	Total/NA	Solid	5035	
890-8490-24	SW - 5 (4.5')	Total/NA	Solid	5035	
890-8490-25	SW - 6 (3.0')	Total/NA	Solid	5035	
890-8490-26	SW - 7 (3.0')	Total/NA	Solid	5035	
890-8490-27	SW - 8 (4.5')	Total/NA	Solid	5035	
890-8490-28	SW - 9 (4.5)	Total/NA	Solid	5035	
890-8490-29	SW - 10 (3.0')	Total/NA	Solid	5035	
890-8490-30	SW - 11 (3.0')	Total/NA	Solid	5035	
890-8490-31	SW - 12 (4.5')	Total/NA	Solid	5035	
890-8490-32	SW - 13 (3.0'-4.5')	Total/NA	Solid	5035	
MB 880-114639/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-114639/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-114639/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8492-A-1-H MS	Matrix Spike	Total/NA	Solid	5035	
890-8492-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 114644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8490-1	CS - 1 (4.5')	Total/NA	Solid	5035	
890-8490-2	CS - 2 (4.5')	Total/NA	Solid	5035	
890-8490-3	CS - 3 (4.5')	Total/NA	Solid	5035	
890-8490-4	CS - 4 (4.5')	Total/NA	Solid	5035	
890-8490-5	CS - 5 (4.5')	Total/NA	Solid	5035	
890-8490-6	CS - 6 (4.5')	Total/NA	Solid	5035	
890-8490-7	CS - 7 (4.5')	Total/NA	Solid	5035	
890-8490-8	CS - 8 (4.5')	Total/NA	Solid	5035	
890-8490-9	CS - 9 (4.5')	Total/NA	Solid	5035	
890-8490-10	CS - 10 (4.5')	Total/NA	Solid	5035	
890-8490-11	CS - 11 (4.5')	Total/NA	Solid	5035	
890-8490-12	CS - 12 (4.5')	Total/NA	Solid	5035	
890-8490-13	CS - 13 (4.5')	Total/NA	Solid	5035	
890-8490-14	CS - 14 (3.0')	Total/NA	Solid	5035	
890-8490-15	CS - 15 (3.0')	Total/NA	Solid	5035	
890-8490-16	CS - 16 (3.0')	Total/NA	Solid	5035	
890-8490-17	CS - 17 (3.0')	Total/NA	Solid	5035	
890-8490-18	CS - 18 (3.0')	Total/NA	Solid	5035	
890-8490-19	CS - 19 (3.0')	Total/NA	Solid	5035	
890-8490-20	SW - 1 (4.5')	Total/NA	Solid	5035	
MB 880-114644/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-114644/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-114644/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8490-1 MS	CS - 1 (4.5')	Total/NA	Solid	5035	
890-8490-1 MSD	CS - 1 (4.5')	Total/NA	Solid	5035	

Analysis Batch: 114646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8490-21	SW - 2 (4.5')	Total/NA	Solid	8021B	114639
890-8490-22	SW - 3 (4.5')	Total/NA	Solid	8021B	114639
890-8490-23	SW - 4 (3.0')	Total/NA	Solid	8021B	114639

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QC Association Summary

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

GC VOA (Continued)

Analysis Batch: 114646 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8490-24	SW - 5 (4.5')	Total/NA	Solid	8021B	114639
890-8490-25	SW - 6 (3.0')	Total/NA	Solid	8021B	114639
890-8490-26	SW - 7 (3.0')	Total/NA	Solid	8021B	114639
890-8490-27	SW - 8 (4.5')	Total/NA	Solid	8021B	114639
890-8490-28	SW - 9 (4.5)	Total/NA	Solid	8021B	114639
890-8490-29	SW - 10 (3.0')	Total/NA	Solid	8021B	114639
890-8490-30	SW - 11 (3.0')	Total/NA	Solid	8021B	114639
890-8490-31	SW - 12 (4.5')	Total/NA	Solid	8021B	114639
890-8490-32	SW - 13 (3.0'-4.5')	Total/NA	Solid	8021B	114639
MB 880-114639/5-A	Method Blank	Total/NA	Solid	8021B	114639
LCS 880-114639/1-A	Lab Control Sample	Total/NA	Solid	8021B	114639
LCSD 880-114639/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	114639
890-8492-A-1-H MS	Matrix Spike	Total/NA	Solid	8021B	114639
890-8492-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	114639

Analysis Batch: 114647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8490-1	CS - 1 (4.5')	Total/NA	Solid	8021B	114644
890-8490-2	CS - 2 (4.5')	Total/NA	Solid	8021B	114644
890-8490-3	CS - 3 (4.5')	Total/NA	Solid	8021B	114644
890-8490-4	CS - 4 (4.5')	Total/NA	Solid	8021B	114644
890-8490-5	CS - 5 (4.5')	Total/NA	Solid	8021B	114644
890-8490-6	CS - 6 (4.5')	Total/NA	Solid	8021B	114644
890-8490-7	CS - 7 (4.5')	Total/NA	Solid	8021B	114644
890-8490-8	CS - 8 (4.5')	Total/NA	Solid	8021B	114644
890-8490-9	CS - 9 (4.5')	Total/NA	Solid	8021B	114644
890-8490-10	CS - 10 (4.5')	Total/NA	Solid	8021B	114644
890-8490-11	CS - 11 (4.5')	Total/NA	Solid	8021B	114644
890-8490-12	CS - 12 (4.5')	Total/NA	Solid	8021B	114644
890-8490-13	CS - 13 (4.5')	Total/NA	Solid	8021B	114644
890-8490-14	CS - 14 (3.0')	Total/NA	Solid	8021B	114644
890-8490-15	CS - 15 (3.0')	Total/NA	Solid	8021B	114644
890-8490-16	CS - 16 (3.0')	Total/NA	Solid	8021B	114644
890-8490-17	CS - 17 (3.0')	Total/NA	Solid	8021B	114644
890-8490-18	CS - 18 (3.0')	Total/NA	Solid	8021B	114644
890-8490-19	CS - 19 (3.0')	Total/NA	Solid	8021B	114644
890-8490-20	SW - 1 (4.5')	Total/NA	Solid	8021B	114644
MB 880-114644/5-A	Method Blank	Total/NA	Solid	8021B	114644
LCS 880-114644/1-A	Lab Control Sample	Total/NA	Solid	8021B	114644
LCSD 880-114644/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	114644
890-8490-1 MS	CS - 1 (4.5')	Total/NA	Solid	8021B	114644
890-8490-1 MSD	CS - 1 (4.5')	Total/NA	Solid	8021B	114644

Analysis Batch: 114752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8490-1	CS - 1 (4.5')	Total/NA	Solid	Total BTEX	
890-8490-2	CS - 2 (4.5')	Total/NA	Solid	Total BTEX	
890-8490-3	CS - 3 (4.5')	Total/NA	Solid	Total BTEX	
890-8490-4	CS - 4 (4.5')	Total/NA	Solid	Total BTEX	
890-8490-5	CS - 5 (4.5')	Total/NA	Solid	Total BTEX	
890-8490-6	CS - 6 (4.5')	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

GC VOA (Continued)

Analysis Batch: 114752 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8490-7	CS - 7 (4.5')	Total/NA	Solid	Total BTEX	
890-8490-8	CS - 8 (4.5')	Total/NA	Solid	Total BTEX	
890-8490-9	CS - 9 (4.5')	Total/NA	Solid	Total BTEX	
890-8490-10	CS - 10 (4.5')	Total/NA	Solid	Total BTEX	
890-8490-11	CS - 11 (4.5')	Total/NA	Solid	Total BTEX	
890-8490-12	CS - 12 (4.5')	Total/NA	Solid	Total BTEX	
890-8490-13	CS - 13 (4.5')	Total/NA	Solid	Total BTEX	
890-8490-14	CS - 14 (3.0')	Total/NA	Solid	Total BTEX	
890-8490-15	CS - 15 (3.0')	Total/NA	Solid	Total BTEX	
890-8490-16	CS - 16 (3.0')	Total/NA	Solid	Total BTEX	
890-8490-17	CS - 17 (3.0')	Total/NA	Solid	Total BTEX	
890-8490-18	CS - 18 (3.0')	Total/NA	Solid	Total BTEX	
890-8490-19	CS - 19 (3.0')	Total/NA	Solid	Total BTEX	
890-8490-20	SW - 1 (4.5')	Total/NA	Solid	Total BTEX	
890-8490-21	SW - 2 (4.5')	Total/NA	Solid	Total BTEX	
890-8490-22	SW - 3 (4.5')	Total/NA	Solid	Total BTEX	
890-8490-23	SW - 4 (3.0')	Total/NA	Solid	Total BTEX	
890-8490-24	SW - 5 (4.5')	Total/NA	Solid	Total BTEX	
890-8490-25	SW - 6 (3.0')	Total/NA	Solid	Total BTEX	
890-8490-26	SW - 7 (3.0')	Total/NA	Solid	Total BTEX	
890-8490-27	SW - 8 (4.5')	Total/NA	Solid	Total BTEX	
890-8490-28	SW - 9 (4.5')	Total/NA	Solid	Total BTEX	
890-8490-29	SW - 10 (3.0')	Total/NA	Solid	Total BTEX	
890-8490-30	SW - 11 (3.0')	Total/NA	Solid	Total BTEX	
890-8490-31	SW - 12 (4.5')	Total/NA	Solid	Total BTEX	
890-8490-32	SW - 13 (3.0'-4.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 114632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8490-1	CS - 1 (4.5')	Total/NA	Solid	8015NM Prep	
890-8490-2	CS - 2 (4.5')	Total/NA	Solid	8015NM Prep	
890-8490-3	CS - 3 (4.5')	Total/NA	Solid	8015NM Prep	
890-8490-4	CS - 4 (4.5')	Total/NA	Solid	8015NM Prep	
890-8490-5	CS - 5 (4.5')	Total/NA	Solid	8015NM Prep	
890-8490-6	CS - 6 (4.5')	Total/NA	Solid	8015NM Prep	
890-8490-7	CS - 7 (4.5')	Total/NA	Solid	8015NM Prep	
890-8490-8	CS - 8 (4.5')	Total/NA	Solid	8015NM Prep	
890-8490-9	CS - 9 (4.5')	Total/NA	Solid	8015NM Prep	
890-8490-10	CS - 10 (4.5')	Total/NA	Solid	8015NM Prep	
890-8490-11	CS - 11 (4.5')	Total/NA	Solid	8015NM Prep	
890-8490-12	CS - 12 (4.5')	Total/NA	Solid	8015NM Prep	
890-8490-13	CS - 13 (4.5')	Total/NA	Solid	8015NM Prep	
890-8490-14	CS - 14 (3.0')	Total/NA	Solid	8015NM Prep	
890-8490-15	CS - 15 (3.0')	Total/NA	Solid	8015NM Prep	
890-8490-16	CS - 16 (3.0')	Total/NA	Solid	8015NM Prep	
MB 880-114632/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-114632/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-114632/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8492-A-1-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

GC Semi VOA (Continued)

Prep Batch: 114632 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8492-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 114633

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8490-17	CS - 17 (3.0')	Total/NA	Solid	8015NM Prep	
890-8490-18	CS - 18 (3.0')	Total/NA	Solid	8015NM Prep	
890-8490-19	CS - 19 (3.0')	Total/NA	Solid	8015NM Prep	
890-8490-20	SW - 1 (4.5')	Total/NA	Solid	8015NM Prep	
890-8490-21	SW - 2 (4.5')	Total/NA	Solid	8015NM Prep	
890-8490-22	SW - 3 (4.5')	Total/NA	Solid	8015NM Prep	
890-8490-23	SW - 4 (3.0')	Total/NA	Solid	8015NM Prep	
890-8490-24	SW - 5 (4.5')	Total/NA	Solid	8015NM Prep	
890-8490-25	SW - 6 (3.0')	Total/NA	Solid	8015NM Prep	
890-8490-26	SW - 7 (3.0')	Total/NA	Solid	8015NM Prep	
890-8490-27	SW - 8 (4.5')	Total/NA	Solid	8015NM Prep	
890-8490-28	SW - 9 (4.5)	Total/NA	Solid	8015NM Prep	
890-8490-29	SW - 10 (3.0')	Total/NA	Solid	8015NM Prep	
890-8490-30	SW - 11 (3.0')	Total/NA	Solid	8015NM Prep	
890-8490-31	SW - 12 (4.5')	Total/NA	Solid	8015NM Prep	
890-8490-32	SW - 13 (3.0'-4.5')	Total/NA	Solid	8015NM Prep	
MB 880-114633/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-114633/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-114633/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8490-17 MS	CS - 17 (3.0')	Total/NA	Solid	8015NM Prep	
890-8490-17 MSD	CS - 17 (3.0')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 114678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8490-1	CS - 1 (4.5')	Total/NA	Solid	8015B NM	114632
890-8490-2	CS - 2 (4.5')	Total/NA	Solid	8015B NM	114632
890-8490-3	CS - 3 (4.5')	Total/NA	Solid	8015B NM	114632
890-8490-4	CS - 4 (4.5')	Total/NA	Solid	8015B NM	114632
890-8490-5	CS - 5 (4.5')	Total/NA	Solid	8015B NM	114632
890-8490-6	CS - 6 (4.5')	Total/NA	Solid	8015B NM	114632
890-8490-7	CS - 7 (4.5')	Total/NA	Solid	8015B NM	114632
890-8490-8	CS - 8 (4.5')	Total/NA	Solid	8015B NM	114632
890-8490-9	CS - 9 (4.5')	Total/NA	Solid	8015B NM	114632
890-8490-10	CS - 10 (4.5')	Total/NA	Solid	8015B NM	114632
890-8490-11	CS - 11 (4.5')	Total/NA	Solid	8015B NM	114632
890-8490-12	CS - 12 (4.5')	Total/NA	Solid	8015B NM	114632
890-8490-13	CS - 13 (4.5')	Total/NA	Solid	8015B NM	114632
890-8490-14	CS - 14 (3.0')	Total/NA	Solid	8015B NM	114632
890-8490-15	CS - 15 (3.0')	Total/NA	Solid	8015B NM	114632
890-8490-16	CS - 16 (3.0')	Total/NA	Solid	8015B NM	114632
MB 880-114632/1-A	Method Blank	Total/NA	Solid	8015B NM	114632
LCS 880-114632/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	114632
LCSD 880-114632/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	114632
890-8492-A-1-F MS	Matrix Spike	Total/NA	Solid	8015B NM	114632
890-8492-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	114632

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QC Association Summary

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

GC Semi VOA

Analysis Batch: 114680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8490-17	CS - 17 (3.0')	Total/NA	Solid	8015B NM	114633
890-8490-18	CS - 18 (3.0')	Total/NA	Solid	8015B NM	114633
890-8490-19	CS - 19 (3.0')	Total/NA	Solid	8015B NM	114633
890-8490-20	SW - 1 (4.5')	Total/NA	Solid	8015B NM	114633
890-8490-21	SW - 2 (4.5')	Total/NA	Solid	8015B NM	114633
890-8490-22	SW - 3 (4.5')	Total/NA	Solid	8015B NM	114633
890-8490-23	SW - 4 (3.0')	Total/NA	Solid	8015B NM	114633
890-8490-24	SW - 5 (4.5')	Total/NA	Solid	8015B NM	114633
890-8490-25	SW - 6 (3.0')	Total/NA	Solid	8015B NM	114633
890-8490-26	SW - 7 (3.0')	Total/NA	Solid	8015B NM	114633
890-8490-27	SW - 8 (4.5')	Total/NA	Solid	8015B NM	114633
890-8490-28	SW - 9 (4.5')	Total/NA	Solid	8015B NM	114633
890-8490-29	SW - 10 (3.0')	Total/NA	Solid	8015B NM	114633
890-8490-30	SW - 11 (3.0')	Total/NA	Solid	8015B NM	114633
890-8490-31	SW - 12 (4.5')	Total/NA	Solid	8015B NM	114633
890-8490-32	SW - 13 (3.0'-4.5')	Total/NA	Solid	8015B NM	114633
MB 880-114633/1-A	Method Blank	Total/NA	Solid	8015B NM	114633
LCS 880-114633/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	114633
LCSD 880-114633/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	114633
890-8490-17 MS	CS - 17 (3.0')	Total/NA	Solid	8015B NM	114633
890-8490-17 MSD	CS - 17 (3.0')	Total/NA	Solid	8015B NM	114633

Analysis Batch: 114817

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8490-1	CS - 1 (4.5')	Total/NA	Solid	8015 NM	
890-8490-2	CS - 2 (4.5')	Total/NA	Solid	8015 NM	
890-8490-3	CS - 3 (4.5')	Total/NA	Solid	8015 NM	
890-8490-4	CS - 4 (4.5')	Total/NA	Solid	8015 NM	
890-8490-5	CS - 5 (4.5')	Total/NA	Solid	8015 NM	
890-8490-6	CS - 6 (4.5')	Total/NA	Solid	8015 NM	
890-8490-7	CS - 7 (4.5')	Total/NA	Solid	8015 NM	
890-8490-8	CS - 8 (4.5')	Total/NA	Solid	8015 NM	
890-8490-9	CS - 9 (4.5')	Total/NA	Solid	8015 NM	
890-8490-10	CS - 10 (4.5')	Total/NA	Solid	8015 NM	
890-8490-11	CS - 11 (4.5')	Total/NA	Solid	8015 NM	
890-8490-12	CS - 12 (4.5')	Total/NA	Solid	8015 NM	
890-8490-13	CS - 13 (4.5')	Total/NA	Solid	8015 NM	
890-8490-14	CS - 14 (3.0')	Total/NA	Solid	8015 NM	
890-8490-15	CS - 15 (3.0')	Total/NA	Solid	8015 NM	
890-8490-16	CS - 16 (3.0')	Total/NA	Solid	8015 NM	
890-8490-17	CS - 17 (3.0')	Total/NA	Solid	8015 NM	
890-8490-18	CS - 18 (3.0')	Total/NA	Solid	8015 NM	
890-8490-19	CS - 19 (3.0')	Total/NA	Solid	8015 NM	
890-8490-20	SW - 1 (4.5')	Total/NA	Solid	8015 NM	
890-8490-21	SW - 2 (4.5')	Total/NA	Solid	8015 NM	
890-8490-22	SW - 3 (4.5')	Total/NA	Solid	8015 NM	
890-8490-23	SW - 4 (3.0')	Total/NA	Solid	8015 NM	
890-8490-24	SW - 5 (4.5')	Total/NA	Solid	8015 NM	
890-8490-25	SW - 6 (3.0')	Total/NA	Solid	8015 NM	
890-8490-26	SW - 7 (3.0')	Total/NA	Solid	8015 NM	
890-8490-27	SW - 8 (4.5')	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

GC Semi VOA (Continued)

Analysis Batch: 114817 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8490-28	SW - 9 (4.5')	Total/NA	Solid	8015 NM	
890-8490-29	SW - 10 (3.0')	Total/NA	Solid	8015 NM	
890-8490-30	SW - 11 (3.0')	Total/NA	Solid	8015 NM	
890-8490-31	SW - 12 (4.5')	Total/NA	Solid	8015 NM	
890-8490-32	SW - 13 (3.0'-4.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 114650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8490-1	CS - 1 (4.5')	Soluble	Solid	DI Leach	
890-8490-2	CS - 2 (4.5')	Soluble	Solid	DI Leach	
890-8490-3	CS - 3 (4.5')	Soluble	Solid	DI Leach	
890-8490-4	CS - 4 (4.5')	Soluble	Solid	DI Leach	
890-8490-5	CS - 5 (4.5')	Soluble	Solid	DI Leach	
890-8490-6	CS - 6 (4.5')	Soluble	Solid	DI Leach	
890-8490-7	CS - 7 (4.5')	Soluble	Solid	DI Leach	
890-8490-8	CS - 8 (4.5')	Soluble	Solid	DI Leach	
890-8490-9	CS - 9 (4.5')	Soluble	Solid	DI Leach	
890-8490-10	CS - 10 (4.5')	Soluble	Solid	DI Leach	
890-8490-11	CS - 11 (4.5')	Soluble	Solid	DI Leach	
890-8490-12	CS - 12 (4.5')	Soluble	Solid	DI Leach	
890-8490-13	CS - 13 (4.5')	Soluble	Solid	DI Leach	
890-8490-14	CS - 14 (3.0')	Soluble	Solid	DI Leach	
890-8490-15	CS - 15 (3.0')	Soluble	Solid	DI Leach	
890-8490-16	CS - 16 (3.0')	Soluble	Solid	DI Leach	
890-8490-17	CS - 17 (3.0')	Soluble	Solid	DI Leach	
890-8490-18	CS - 18 (3.0')	Soluble	Solid	DI Leach	
890-8490-19	CS - 19 (3.0')	Soluble	Solid	DI Leach	
MB 880-114650/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-114650/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-114650/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8490-1 MS	CS - 1 (4.5')	Soluble	Solid	DI Leach	
890-8490-1 MSD	CS - 1 (4.5')	Soluble	Solid	DI Leach	
890-8490-11 MS	CS - 11 (4.5')	Soluble	Solid	DI Leach	
890-8490-11 MSD	CS - 11 (4.5')	Soluble	Solid	DI Leach	

Leach Batch: 114655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8490-20	SW - 1 (4.5')	Soluble	Solid	DI Leach	
890-8490-21	SW - 2 (4.5')	Soluble	Solid	DI Leach	
890-8490-22	SW - 3 (4.5')	Soluble	Solid	DI Leach	
890-8490-23	SW - 4 (3.0')	Soluble	Solid	DI Leach	
890-8490-24	SW - 5 (4.5')	Soluble	Solid	DI Leach	
890-8490-25	SW - 6 (3.0')	Soluble	Solid	DI Leach	
890-8490-26	SW - 7 (3.0')	Soluble	Solid	DI Leach	
890-8490-27	SW - 8 (4.5')	Soluble	Solid	DI Leach	
890-8490-28	SW - 9 (4.5')	Soluble	Solid	DI Leach	
890-8490-29	SW - 10 (3.0')	Soluble	Solid	DI Leach	
890-8490-30	SW - 11 (3.0')	Soluble	Solid	DI Leach	
890-8490-31	SW - 12 (4.5')	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

HPLC/IC (Continued)

Leach Batch: 114655 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8490-32	SW - 13 (3.0'-4.5')	Soluble	Solid	DI Leach	
MB 880-114655/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-114655/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-114655/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8490-23 MS	SW - 4 (3.0')	Soluble	Solid	DI Leach	
890-8490-23 MSD	SW - 4 (3.0')	Soluble	Solid	DI Leach	

Analysis Batch: 114674

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8490-20	SW - 1 (4.5')	Soluble	Solid	300.0	114655
890-8490-21	SW - 2 (4.5')	Soluble	Solid	300.0	114655
890-8490-22	SW - 3 (4.5')	Soluble	Solid	300.0	114655
890-8490-23	SW - 4 (3.0')	Soluble	Solid	300.0	114655
890-8490-24	SW - 5 (4.5')	Soluble	Solid	300.0	114655
890-8490-25	SW - 6 (3.0')	Soluble	Solid	300.0	114655
890-8490-26	SW - 7 (3.0')	Soluble	Solid	300.0	114655
890-8490-27	SW - 8 (4.5')	Soluble	Solid	300.0	114655
890-8490-28	SW - 9 (4.5')	Soluble	Solid	300.0	114655
890-8490-29	SW - 10 (3.0')	Soluble	Solid	300.0	114655
890-8490-30	SW - 11 (3.0')	Soluble	Solid	300.0	114655
890-8490-31	SW - 12 (4.5')	Soluble	Solid	300.0	114655
890-8490-32	SW - 13 (3.0'-4.5')	Soluble	Solid	300.0	114655
MB 880-114655/1-A	Method Blank	Soluble	Solid	300.0	114655
LCS 880-114655/2-A	Lab Control Sample	Soluble	Solid	300.0	114655
LCSD 880-114655/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	114655
890-8490-23 MS	SW - 4 (3.0')	Soluble	Solid	300.0	114655
890-8490-23 MSD	SW - 4 (3.0')	Soluble	Solid	300.0	114655

Analysis Batch: 114676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8490-1	CS - 1 (4.5')	Soluble	Solid	300.0	114650
890-8490-2	CS - 2 (4.5')	Soluble	Solid	300.0	114650
890-8490-3	CS - 3 (4.5')	Soluble	Solid	300.0	114650
890-8490-4	CS - 4 (4.5')	Soluble	Solid	300.0	114650
890-8490-5	CS - 5 (4.5')	Soluble	Solid	300.0	114650
890-8490-6	CS - 6 (4.5')	Soluble	Solid	300.0	114650
890-8490-7	CS - 7 (4.5')	Soluble	Solid	300.0	114650
890-8490-8	CS - 8 (4.5')	Soluble	Solid	300.0	114650
890-8490-9	CS - 9 (4.5')	Soluble	Solid	300.0	114650
890-8490-10	CS - 10 (4.5')	Soluble	Solid	300.0	114650
890-8490-11	CS - 11 (4.5')	Soluble	Solid	300.0	114650
890-8490-12	CS - 12 (4.5')	Soluble	Solid	300.0	114650
890-8490-13	CS - 13 (4.5')	Soluble	Solid	300.0	114650
890-8490-14	CS - 14 (3.0')	Soluble	Solid	300.0	114650
890-8490-15	CS - 15 (3.0')	Soluble	Solid	300.0	114650
890-8490-16	CS - 16 (3.0')	Soluble	Solid	300.0	114650
890-8490-17	CS - 17 (3.0')	Soluble	Solid	300.0	114650
890-8490-18	CS - 18 (3.0')	Soluble	Solid	300.0	114650
890-8490-19	CS - 19 (3.0')	Soluble	Solid	300.0	114650
MB 880-114650/1-A	Method Blank	Soluble	Solid	300.0	114650
LCS 880-114650/2-A	Lab Control Sample	Soluble	Solid	300.0	114650

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QC Association Summary

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

HPLC/IC (Continued)

Analysis Batch: 114676 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-114650/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	114650
890-8490-1 MS	CS - 1 (4.5')	Soluble	Solid	300.0	114650
890-8490-1 MSD	CS - 1 (4.5')	Soluble	Solid	300.0	114650
890-8490-11 MS	CS - 11 (4.5')	Soluble	Solid	300.0	114650
890-8490-11 MSD	CS - 11 (4.5')	Soluble	Solid	300.0	114650

- 1
- 2
- 3
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- 9
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- 11
- 12
- 13
- 14

Lab Chronicle

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

Client Sample ID: CS - 1 (4.5')

Lab Sample ID: 890-8490-1

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	114644	07/22/25 08:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114647	07/22/25 11:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114752	07/22/25 11:54	SA	EET MID
Total/NA	Analysis	8015 NM		1			114817	07/22/25 15:29	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	114632	07/22/25 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114678	07/22/25 15:29	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	114650	07/22/25 08:29	SI	EET MID
Soluble	Analysis	300.0		1			114676	07/22/25 13:12	SMC	EET MID

Client Sample ID: CS - 2 (4.5')

Lab Sample ID: 890-8490-2

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	114644	07/22/25 08:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114647	07/22/25 12:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114752	07/22/25 12:14	SA	EET MID
Total/NA	Analysis	8015 NM		1			114817	07/22/25 15:44	SA	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	114632	07/22/25 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114678	07/22/25 15:44	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	114650	07/22/25 08:29	SI	EET MID
Soluble	Analysis	300.0		1			114676	07/22/25 13:34	SMC	EET MID

Client Sample ID: CS - 3 (4.5')

Lab Sample ID: 890-8490-3

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	114644	07/22/25 08:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114647	07/22/25 12:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114752	07/22/25 12:35	SA	EET MID
Total/NA	Analysis	8015 NM		1			114817	07/22/25 16:00	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	114632	07/22/25 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114678	07/22/25 16:00	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	114650	07/22/25 08:29	SI	EET MID
Soluble	Analysis	300.0		1			114676	07/22/25 13:42	SMC	EET MID

Client Sample ID: CS - 4 (4.5')

Lab Sample ID: 890-8490-4

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	114644	07/22/25 08:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114647	07/22/25 12:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114752	07/22/25 12:55	SA	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

Client Sample ID: CS - 4 (4.5')

Lab Sample ID: 890-8490-4

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			114817	07/22/25 16:15	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	114632	07/22/25 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114678	07/22/25 16:15	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	114650	07/22/25 08:29	SI	EET MID
Soluble	Analysis	300.0		1			114676	07/22/25 13:50	SMC	EET MID

Client Sample ID: CS - 5 (4.5')

Lab Sample ID: 890-8490-5

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	114644	07/22/25 08:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114647	07/22/25 13:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114752	07/22/25 13:16	SA	EET MID
Total/NA	Analysis	8015 NM		1			114817	07/22/25 16:31	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	114632	07/22/25 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114678	07/22/25 16:31	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	114650	07/22/25 08:29	SI	EET MID
Soluble	Analysis	300.0		1			114676	07/22/25 13:57	SMC	EET MID

Client Sample ID: CS - 6 (4.5')

Lab Sample ID: 890-8490-6

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	114644	07/22/25 08:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114647	07/22/25 13:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114752	07/22/25 13:36	SA	EET MID
Total/NA	Analysis	8015 NM		1			114817	07/22/25 16:46	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	114632	07/22/25 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114678	07/22/25 16:46	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	114650	07/22/25 08:29	SI	EET MID
Soluble	Analysis	300.0		1			114676	07/22/25 14:20	SMC	EET MID

Client Sample ID: CS - 7 (4.5')

Lab Sample ID: 890-8490-7

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	114644	07/22/25 08:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114647	07/22/25 13:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114752	07/22/25 13:57	SA	EET MID
Total/NA	Analysis	8015 NM		1			114817	07/22/25 17:20	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	114632	07/22/25 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114678	07/22/25 17:20	TKC	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

Client Sample ID: CS - 7 (4.5')

Lab Sample ID: 890-8490-7

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	114650	07/22/25 08:29	SI	EET MID
Soluble	Analysis	300.0		1			114676	07/22/25 14:28	SMC	EET MID

Client Sample ID: CS - 8 (4.5')

Lab Sample ID: 890-8490-8

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	114644	07/22/25 08:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114647	07/22/25 14:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114752	07/22/25 14:17	SA	EET MID
Total/NA	Analysis	8015 NM		1			114817	07/22/25 17:35	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	114632	07/22/25 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114678	07/22/25 17:35	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	114650	07/22/25 08:29	SI	EET MID
Soluble	Analysis	300.0		1			114676	07/22/25 14:36	SMC	EET MID

Client Sample ID: CS - 9 (4.5')

Lab Sample ID: 890-8490-9

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	114644	07/22/25 08:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114647	07/22/25 14:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114752	07/22/25 14:38	SA	EET MID
Total/NA	Analysis	8015 NM		1			114817	07/22/25 17:51	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	114632	07/22/25 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114678	07/22/25 17:51	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	114650	07/22/25 08:29	SI	EET MID
Soluble	Analysis	300.0		1			114676	07/22/25 14:43	SMC	EET MID

Client Sample ID: CS - 10 (4.5')

Lab Sample ID: 890-8490-10

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	114644	07/22/25 08:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114647	07/22/25 14:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114752	07/22/25 14:58	SA	EET MID
Total/NA	Analysis	8015 NM		1			114817	07/22/25 18:06	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	114632	07/22/25 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114678	07/22/25 18:06	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	114650	07/22/25 08:29	SI	EET MID
Soluble	Analysis	300.0		1			114676	07/22/25 14:51	SMC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

Client Sample ID: CS - 11 (4.5')

Lab Sample ID: 890-8490-11

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	114644	07/22/25 08:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114647	07/22/25 16:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114752	07/22/25 16:33	SA	EET MID
Total/NA	Analysis	8015 NM		1			114817	07/22/25 18:22	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	114632	07/22/25 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114678	07/22/25 18:22	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	114650	07/22/25 08:29	SI	EET MID
Soluble	Analysis	300.0		1			114676	07/22/25 14:59	SMC	EET MID

Client Sample ID: CS - 12 (4.5')

Lab Sample ID: 890-8490-12

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	114644	07/22/25 08:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114647	07/22/25 16:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114752	07/22/25 16:53	SA	EET MID
Total/NA	Analysis	8015 NM		1			114817	07/22/25 18:37	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	114632	07/22/25 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114678	07/22/25 18:37	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	114650	07/22/25 08:29	SI	EET MID
Soluble	Analysis	300.0		1			114676	07/22/25 15:21	SMC	EET MID

Client Sample ID: CS - 13 (4.5')

Lab Sample ID: 890-8490-13

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	114644	07/22/25 08:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114647	07/22/25 17:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114752	07/22/25 17:14	SA	EET MID
Total/NA	Analysis	8015 NM		1			114817	07/22/25 18:52	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	114632	07/22/25 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114678	07/22/25 18:52	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	114650	07/22/25 08:29	SI	EET MID
Soluble	Analysis	300.0		1			114676	07/22/25 15:29	SMC	EET MID

Client Sample ID: CS - 14 (3.0')

Lab Sample ID: 890-8490-14

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	114644	07/22/25 08:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114647	07/22/25 17:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114752	07/22/25 17:34	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

Client Sample ID: CS - 14 (3.0')

Lab Sample ID: 890-8490-14

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			114817	07/22/25 19:08	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	114632	07/22/25 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114678	07/22/25 19:08	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	114650	07/22/25 08:29	SI	EET MID
Soluble	Analysis	300.0		1			114676	07/22/25 15:52	SMC	EET MID

Client Sample ID: CS - 15 (3.0')

Lab Sample ID: 890-8490-15

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	114644	07/22/25 08:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114647	07/22/25 17:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114752	07/22/25 17:55	SA	EET MID
Total/NA	Analysis	8015 NM		1			114817	07/22/25 19:23	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	114632	07/22/25 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114678	07/22/25 19:23	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	114650	07/22/25 08:29	SI	EET MID
Soluble	Analysis	300.0		1			114676	07/22/25 16:00	SMC	EET MID

Client Sample ID: CS - 16 (3.0')

Lab Sample ID: 890-8490-16

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	114644	07/22/25 08:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114647	07/22/25 18:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114752	07/22/25 18:16	SA	EET MID
Total/NA	Analysis	8015 NM		1			114817	07/22/25 19:39	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	114632	07/22/25 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114678	07/22/25 19:39	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	114650	07/22/25 08:29	SI	EET MID
Soluble	Analysis	300.0		1			114676	07/22/25 16:07	SMC	EET MID

Client Sample ID: CS - 17 (3.0')

Lab Sample ID: 890-8490-17

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	114644	07/22/25 08:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114647	07/22/25 18:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114752	07/22/25 18:36	SA	EET MID
Total/NA	Analysis	8015 NM		1			114817	07/22/25 10:20	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	114633	07/22/25 08:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114680	07/22/25 10:20	TKC	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

Client Sample ID: CS - 17 (3.0')

Lab Sample ID: 890-8490-17

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	114650	07/22/25 08:29	SI	EET MID
Soluble	Analysis	300.0		1			114676	07/22/25 16:15	SMC	EET MID

Client Sample ID: CS - 18 (3.0')

Lab Sample ID: 890-8490-18

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	114644	07/22/25 08:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114647	07/22/25 18:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114752	07/22/25 18:57	SA	EET MID
Total/NA	Analysis	8015 NM		1			114817	07/22/25 11:07	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	114633	07/22/25 08:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114680	07/22/25 11:07	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	114650	07/22/25 08:29	SI	EET MID
Soluble	Analysis	300.0		1			114676	07/22/25 16:23	SMC	EET MID

Client Sample ID: CS - 19 (3.0')

Lab Sample ID: 890-8490-19

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	114644	07/22/25 08:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114647	07/22/25 19:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114752	07/22/25 19:17	SA	EET MID
Total/NA	Analysis	8015 NM		1			114817	07/22/25 11:22	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	114633	07/22/25 08:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114680	07/22/25 11:22	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	114650	07/22/25 08:29	SI	EET MID
Soluble	Analysis	300.0		1			114676	07/22/25 16:30	SMC	EET MID

Client Sample ID: SW - 1 (4.5')

Lab Sample ID: 890-8490-20

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	114644	07/22/25 08:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114647	07/22/25 19:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114752	07/22/25 19:38	SA	EET MID
Total/NA	Analysis	8015 NM		1			114817	07/22/25 11:38	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	114633	07/22/25 08:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114680	07/22/25 11:38	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	114655	07/22/25 08:33	SI	EET MID
Soluble	Analysis	300.0		1			114674	07/22/25 13:09	SMC	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

Client Sample ID: SW - 2 (4.5')

Lab Sample ID: 890-8490-21

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	114639	07/22/25 08:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114646	07/22/25 14:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114752	07/22/25 14:07	SA	EET MID
Total/NA	Analysis	8015 NM		1			114817	07/22/25 15:29	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	114633	07/22/25 08:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114680	07/22/25 15:29	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	114655	07/22/25 08:33	SI	EET MID
Soluble	Analysis	300.0		1			114674	07/22/25 13:15	SMC	EET MID

Client Sample ID: SW - 3 (4.5')

Lab Sample ID: 890-8490-22

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	114639	07/22/25 08:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114646	07/22/25 14:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114752	07/22/25 14:27	SA	EET MID
Total/NA	Analysis	8015 NM		1			114817	07/22/25 15:44	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	114633	07/22/25 08:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114680	07/22/25 15:44	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	114655	07/22/25 08:33	SI	EET MID
Soluble	Analysis	300.0		5			114674	07/22/25 13:21	SMC	EET MID

Client Sample ID: SW - 4 (3.0')

Lab Sample ID: 890-8490-23

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	114639	07/22/25 08:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114646	07/22/25 14:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114752	07/22/25 14:48	SA	EET MID
Total/NA	Analysis	8015 NM		1			114817	07/22/25 16:00	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	114633	07/22/25 08:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114680	07/22/25 16:00	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	114655	07/22/25 08:33	SI	EET MID
Soluble	Analysis	300.0		5			114674	07/22/25 13:26	SMC	EET MID

Client Sample ID: SW - 5 (4.5')

Lab Sample ID: 890-8490-24

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	114639	07/22/25 08:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114646	07/22/25 16:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114752	07/22/25 16:43	SA	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

Client Sample ID: SW - 5 (4.5')

Lab Sample ID: 890-8490-24

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			114817	07/22/25 16:15	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	114633	07/22/25 08:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114680	07/22/25 16:15	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	114655	07/22/25 08:33	SI	EET MID
Soluble	Analysis	300.0		1			114674	07/22/25 13:43	SMC	EET MID

Client Sample ID: SW - 6 (3.0')

Lab Sample ID: 890-8490-25

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	114639	07/22/25 08:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114646	07/22/25 17:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114752	07/22/25 17:04	SA	EET MID
Total/NA	Analysis	8015 NM		1			114817	07/22/25 16:31	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	114633	07/22/25 08:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114680	07/22/25 16:31	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	114655	07/22/25 08:33	SI	EET MID
Soluble	Analysis	300.0		1			114674	07/22/25 13:49	SMC	EET MID

Client Sample ID: SW - 7 (3.0')

Lab Sample ID: 890-8490-26

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	114639	07/22/25 08:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114646	07/22/25 17:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114752	07/22/25 17:24	SA	EET MID
Total/NA	Analysis	8015 NM		1			114817	07/22/25 16:46	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	114633	07/22/25 08:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114680	07/22/25 16:46	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	114655	07/22/25 08:33	SI	EET MID
Soluble	Analysis	300.0		1			114674	07/22/25 14:06	SMC	EET MID

Client Sample ID: SW - 8 (4.5')

Lab Sample ID: 890-8490-27

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	114639	07/22/25 08:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114646	07/22/25 17:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114752	07/22/25 17:45	SA	EET MID
Total/NA	Analysis	8015 NM		1			114817	07/22/25 17:20	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	114633	07/22/25 08:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114680	07/22/25 17:20	TKC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

Client Sample ID: SW - 8 (4.5')

Lab Sample ID: 890-8490-27

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	114655	07/22/25 08:33	SI	EET MID
Soluble	Analysis	300.0		1			114674	07/22/25 14:12	SMC	EET MID

Client Sample ID: SW - 9 (4.5)

Lab Sample ID: 890-8490-28

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	114639	07/22/25 08:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114646	07/22/25 18:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114752	07/22/25 18:05	SA	EET MID
Total/NA	Analysis	8015 NM		1			114817	07/22/25 17:35	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	114633	07/22/25 08:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114680	07/22/25 17:35	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	114655	07/22/25 08:33	SI	EET MID
Soluble	Analysis	300.0		1			114674	07/22/25 14:17	SMC	EET MID

Client Sample ID: SW - 10 (3.0')

Lab Sample ID: 890-8490-29

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	114639	07/22/25 08:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114646	07/22/25 18:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114752	07/22/25 18:26	SA	EET MID
Total/NA	Analysis	8015 NM		1			114817	07/22/25 17:51	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	114633	07/22/25 08:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114680	07/22/25 17:51	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	114655	07/22/25 08:33	SI	EET MID
Soluble	Analysis	300.0		5			114674	07/22/25 14:23	SMC	EET MID

Client Sample ID: SW - 11 (3.0')

Lab Sample ID: 890-8490-30

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	114639	07/22/25 08:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114646	07/22/25 18:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114752	07/22/25 18:46	SA	EET MID
Total/NA	Analysis	8015 NM		1			114817	07/22/25 18:06	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	114633	07/22/25 08:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114680	07/22/25 18:06	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	114655	07/22/25 08:33	SI	EET MID
Soluble	Analysis	300.0		5			114674	07/22/25 14:28	SMC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

Client Sample ID: SW - 12 (4.5')
Date Collected: 07/21/25 00:00
Date Received: 07/21/25 16:14

Lab Sample ID: 890-8490-31
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	114639	07/22/25 08:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114646	07/22/25 19:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114752	07/22/25 19:06	SA	EET MID
Total/NA	Analysis	8015 NM		1			114817	07/22/25 18:22	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	114633	07/22/25 08:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114680	07/22/25 18:22	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	114655	07/22/25 08:33	SI	EET MID
Soluble	Analysis	300.0		1			114674	07/22/25 14:34	SMC	EET MID

Client Sample ID: SW - 13 (3.0'-4.5')
Date Collected: 07/21/25 00:00
Date Received: 07/21/25 16:14

Lab Sample ID: 890-8490-32
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	114639	07/22/25 08:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114646	07/22/25 19:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114752	07/22/25 19:27	SA	EET MID
Total/NA	Analysis	8015 NM		1			114817	07/22/25 18:37	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	114633	07/22/25 08:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114680	07/22/25 18:37	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	114655	07/22/25 08:33	SI	EET MID
Soluble	Analysis	300.0		1			114674	07/22/25 14:40	SMC	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: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

Laboratory: Eurofins Midland

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

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

Method Summary

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

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: Marquardt 12-13 (06.01.2025)

Job ID: 890-8490-1
SDG: 2749

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-8490-1	CS - 1 (4.5')	Solid	07/21/25 00:00	07/21/25 16:14
890-8490-2	CS - 2 (4.5')	Solid	07/21/25 00:00	07/21/25 16:14
890-8490-3	CS - 3 (4.5')	Solid	07/21/25 00:00	07/21/25 16:14
890-8490-4	CS - 4 (4.5')	Solid	07/21/25 00:00	07/21/25 16:14
890-8490-5	CS - 5 (4.5')	Solid	07/21/25 00:00	07/21/25 16:14
890-8490-6	CS - 6 (4.5')	Solid	07/21/25 00:00	07/21/25 16:14
890-8490-7	CS - 7 (4.5')	Solid	07/21/25 00:00	07/21/25 16:14
890-8490-8	CS - 8 (4.5')	Solid	07/21/25 00:00	07/21/25 16:14
890-8490-9	CS - 9 (4.5')	Solid	07/21/25 00:00	07/21/25 16:14
890-8490-10	CS - 10 (4.5')	Solid	07/21/25 00:00	07/21/25 16:14
890-8490-11	CS - 11 (4.5')	Solid	07/21/25 00:00	07/21/25 16:14
890-8490-12	CS - 12 (4.5')	Solid	07/21/25 00:00	07/21/25 16:14
890-8490-13	CS - 13 (4.5')	Solid	07/21/25 00:00	07/21/25 16:14
890-8490-14	CS - 14 (3.0')	Solid	07/21/25 00:00	07/21/25 16:14
890-8490-15	CS - 15 (3.0')	Solid	07/21/25 00:00	07/21/25 16:14
890-8490-16	CS - 16 (3.0')	Solid	07/21/25 00:00	07/21/25 16:14
890-8490-17	CS - 17 (3.0')	Solid	07/21/25 00:00	07/21/25 16:14
890-8490-18	CS - 18 (3.0')	Solid	07/21/25 00:00	07/21/25 16:14
890-8490-19	CS - 19 (3.0')	Solid	07/21/25 00:00	07/21/25 16:14
890-8490-20	SW - 1 (4.5')	Solid	07/21/25 00:00	07/21/25 16:14
890-8490-21	SW - 2 (4.5')	Solid	07/21/25 00:00	07/21/25 16:14
890-8490-22	SW - 3 (4.5')	Solid	07/21/25 00:00	07/21/25 16:14
890-8490-23	SW - 4 (3.0')	Solid	07/21/25 00:00	07/21/25 16:14
890-8490-24	SW - 5 (4.5')	Solid	07/21/25 00:00	07/21/25 16:14
890-8490-25	SW - 6 (3.0')	Solid	07/21/25 00:00	07/21/25 16:14
890-8490-26	SW - 7 (3.0')	Solid	07/21/25 00:00	07/21/25 16:14
890-8490-27	SW - 8 (4.5')	Solid	07/21/25 00:00	07/21/25 16:14
890-8490-28	SW - 9 (4.5')	Solid	07/21/25 00:00	07/21/25 16:14
890-8490-29	SW - 10 (3.0')	Solid	07/21/25 00:00	07/21/25 16:14
890-8490-30	SW - 11 (3.0')	Solid	07/21/25 00:00	07/21/25 16:14
890-8490-31	SW - 12 (4.5')	Solid	07/21/25 00:00	07/21/25 16:14
890-8490-32	SW - 13 (3.0'-4.5')	Solid	07/21/25 00:00	07/21/25 16:14

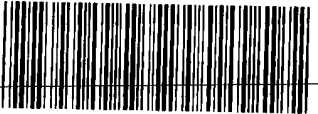
Chain of Custody

Work Order No: _____

Page 1 of 4

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

Work Order Comments	
Program:	UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ Superfund ☐
State of Project:	
Reporting:	Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐
Deliverables:	EDD ☐ ADaPT ☐ Other: _____

Project Name:	Marquardt 12-13 (06.01.2025)		Turn Around		Pres. Code	ANALYSIS REQUEST										Preservative Codes				
Project Number:	2749		☐ Routine ☒ Rush			Parameters	 890-8490 Chain of Custody										None: NO DI Water: H ₂ O			
Project Location:	Eddy Co, NM		Due Date:														48 Hours		Cool: Cool MeOH: Me	
Sampler's Name:	JDC		PO #:																HCL: HC HNO ₃ : HN	
SAMPLE RECEIPT		Temp Blank:	Yes ☒ No ☐	Wet Ice:	Yes ☐ No ☒	Parameters	BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 300.0										H ₂ SO ₄ : H ₂ NaOH: Na			
Received Intact:		Yes ☒ No ☐	Thermometer ID:		T/M/007												H ₃ PO ₄ : HP			
Cooler Custody Seals:		Yes ☐ No ☒ N/A	Correction Factor:		-0.2												NaHSO ₄ : NABIS			
Sample Custody Seals:		Yes ☐ No ☒ N/A	Temperature Reading:		2.8												Na ₂ S ₂ O ₃ : NaSO ₃			
Total Containers:				Corrected Temperature:		2.6		Hold										Zn Acetate+NaOH: Zn		
																		NaOH+Ascorbic Acid: SAPC		
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments			
CS-1 (4.5')	7/21/2025		X		C	1	X	X	X											
CS-2 (4.5')	7/21/2025		X		C	1	X	X	X											
CS-3 (4.5')	7/21/2025		X		C	1	X	X	X											
CS-4 (4.5')	7/21/2025		X		C	1	X	X	X											
CS-5 (4.5')	7/21/2025		X		C	1	X	X	X											
CS-6 (4.5')	7/21/2025		X		C	1	X	X	X											
CS-7 (4.5')	7/21/2025		X		C	1	X	X	X											
CS-8 (4.5')	7/21/2025		X		C	1	X	X	X											
CS-9 (4.5')	7/21/2025		X		C	1	X	X	X											
CS-10 (4.5')	7/21/2025		X		C	1	X	X	X											

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>[Signature]</i>		<i>[Signature]</i>	7/21/2025

Chain of Custody

Work Order No: _____

Page 2 of 4

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

Work Order Comments	
Program: UST/PST	☐ PRP ☐ Brownfields ☐ RC ☐ Superfund ☐
State of Project:	
Reporting: Level II	☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐
Deliverables: EDD	☐ ADaPT ☐ Other:

Project Name:		Turn Around		ANALYSIS REQUEST																Preservative Codes				
Project Number:	2749	☐ Routine ☒ Rush	Pres. Code																	None: NO	DI Water: H ₂ O			
Project Location	Eddy Co, NM	Due Date:	48 Hours																	Cool: Cool	MeOH: Me			
Sampler's Name:	JDC																			HCL: HC	HNO ₃ : HN			
PO #:																				H ₂ SO ₄ : H ₂	NaOH: Na			
SAMPLE RECEIPT		Temp Blank:	Yes ☒ No ☐	Wet Ice:	Yes ☐ No ☒																			
Received Intact:	Yes ☒ No ☐	Thermometer ID:	T-111111																					
Cooler Custody Seals:	Yes ☒ No ☐	Correction Factor:	-0.2																					
Sample Custody Seals:	Yes ☒ No ☐	Temperature Reading:	2.8																					
Total Containers:		Corrected Temperature:	2.6																					
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont																	Sample Comments	
CS-11 (4.5')	7/21/2025		X		C	1	X	X	X															
CS-12 (4.5')	7/21/2025		X		C	1	X	X	X															
CS-13 (4.5')	7/21/2025		X		C	1	X	X	X															
CS-14 (3.0')	7/21/2025		X		C	1	X	X	X															
CS-15 (3.0')	7/21/2025		X		C	1	X	X	X															
CS-16 (3.0')	7/21/2025		X		C	1	X	X	X															
CS-17 (3.0')	7/21/2025		X		C	1	X	X	X															
CS-18 (3.0')	7/21/2025		X		C	1	X	X	X															
CS-19 (3.0')	7/21/2025		X		C	1	X	X	X															
SW-1 (4.5')	7/21/2025		X		C	1	X	X	X															

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>[Signature]</i>		<i>[Signature]</i>	7/21/2025

Chain of Custody

Work Order No: _____

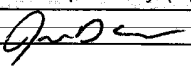
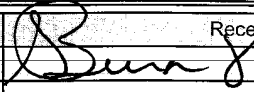
Page 3 of 4

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

Work Order Comments	
Program: UST/PST	☐ PRP ☐ Brownfields ☐ RC ☐ perfund ☐
State of Project:	
Reporting: Level II	☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐
Deliverables: EDD	☐ ADaPT ☐ Other: _____

Project Name:		Marquardt 12-13 (06.01.2025)		Turn Around				ANALYSIS REQUEST										Preservative Codes							
Project Number:		2749		☐ Routine ☒ Rush		Pres. Code												None: NO DI Water: H ₂ O							
Project Location		Eddy Co, NM		Due Date:		48 Hours												Cool: Cool MeOH: Me							
Sampler's Name:		JDC																HCL: HC HNO ₃ : HN							
PO #:																		H ₂ SO ₄ : H ₂ NaOH: Na							
SAMPLE RECEIPT		Temp Blank:		Yes ☒ No ☐		Wet Ice:		Yes ☐ No ☒												H ₃ PO ₄ : HP					
Received Intact:		Yes ☒ No ☐		Thermometer ID:		T-1000												NaHSO ₄ : NABIS							
Cooler Custody Seals:		Yes ☐ No ☒ N/A		Correction Factor:		-0.2												Na ₂ S ₂ O ₃ : NaSO ₃							
Sample Custody Seals:		Yes ☐ No ☒ N/A		Temperature Reading:		2.8												Zn Acetate+NaOH: Zn							
Total Containers:				Corrected Temperature:		2.6												NaOH+Ascorbic Acid: SAPC							
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont												Sample Comments	
SW-2 (4.5')		7/21/2025				X				C		1		X X X											
SW-3 (4.5')		7/21/2025				X				C		1		X X X											
SW-4 (3.0')		7/21/2025				X				C		1		X X X											
SW-5 (4.5')		7/21/2025				X				C		1		X X X											
SW-6 (3.0')		7/21/2025				X				C		1		X X X											
SW-7 (3.0')		7/21/2025				X				C		1		X X X											
SW-8 (4.5')		7/21/2025				X				C		1		X X X											
SW-9 (4.5')		7/21/2025				X				C		1		X X X											
SW-10 (3.0')		7/21/2025				X				C		1		X X X											
SW-11 (3.0')		7/21/2025				X				C		1		X X X											

Comments:			

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			7/21/2025

7/23/2025

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Released to Imaging: 8/15/2025 3:20:26 PM

Chain of Custody

Work Order No: _____

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[illegible]

Eurofins Carlsbad

1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)		Sampler: N/A		Lab PM: Kramer, Jessica		Carrier Tracking No(s): N/A		COC No: 890-5502.1																	
Client Contact: Shipping/Receiving		Phone: N/A		E-Mail: Jessica.Kramer@eurofinsus.com		State of Origin: Texas		Page: Page 1 of 4																	
Company: Eurofins Environment Testing South Centr				Accreditations Required (See note): NELAP - Texas				Job #: 890-8490-1																	
Address: 1211 W. Florida Ave, City: Midland State, Zip: TX, 79701 Phone: 432-704-5440(Tel) Email: N/A		Due Date Requested: 7/23/2025 TAT Requested (days): N/A		Analysis Requested				Preservation Codes:																	
Project Name: MARQUARDT 12-13 (06.01.2025)		PO #: N/A WO #: N/A Project #: 88001161 SSOW#: N/A		<table border="1"> <tr> <th>Field Filtered Sample (Yes or No)</th> <th>Perform MS/MSD (Yes or No)</th> <th>8021B/8035PP_CalcBTEX</th> <th>Total_BTEX_GCV</th> <th>8015MOD_Calc</th> <th>8015MOD_NM8015NM_S_PrepFull TPH</th> <th>300_ORGPM_280DI_LEACHChloride</th> <th>Total Number of containers</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>				Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8021B/8035PP_CalcBTEX	Total_BTEX_GCV	8015MOD_Calc	8015MOD_NM8015NM_S_PrepFull TPH	300_ORGPM_280DI_LEACHChloride	Total Number of containers									Other: N/A	
Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8021B/8035PP_CalcBTEX	Total_BTEX_GCV	8015MOD_Calc	8015MOD_NM8015NM_S_PrepFull TPH	300_ORGPM_280DI_LEACHChloride	Total Number of containers																		
Site: N/A								Special Instructions/Note:																	
Sample Identification - Client ID (Lab ID)		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=soil, BT=Tissue, A=Air)																	
								Preservation Code:																	
CS - 1 (4.5') (890-8490-1)		7/21/25		Central		G		Solid																	
CS - 2 (4.5') (890-8490-2)		7/21/25		Central		G		Solid																	
CS - 3 (4.5') (890-8490-3)		7/21/25		Central		G		Solid																	
CS - 4 (4.5') (890-8490-4)		7/21/25		Central		G		Solid																	
CS - 5 (4.5') (890-8490-5)		7/21/25		Central		G		Solid																	
CS - 6 (4.5') (890-8490-6)		7/21/25		Central		G		Solid																	
CS - 7 (4.5') (890-8490-7)		7/21/25		Central		G		Solid																	
CS - 8 (4.5') (890-8490-8)		7/21/25		Central		G		Solid																	
CS - 9 (4.5') (890-8490-9)		7/21/25		Central		G		Solid																	
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.																									
Possible Hazard Identification				Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																					
Unconfirmed				☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months																					
Deliverable Requested: I, II, III, IV, Other (specify)				Primary Deliverable Rank: 2		Special Instructions/QC Requirements:																			
Empty Kit Relinquished by:				Date:		Time:		Method of Shipment:																	
Relinquished by: <i>[Signature]</i>				Date/Time: 7/21 1645		Company:		Received by: <i>[Signature]</i>																	
Relinquished by:				Date/Time:		Company:		Received by:																	
Relinquished by:				Date/Time:		Company:		Received by:																	
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.:		Cooler Temperature: °C and Other Remarks: 9.2/9.1 IR-8 -0.1																					

Ver: 10/10/2024

Eurofins Carlsbad

1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

Environment Testing

Client Information (Sub Contract Lab)						Sampler: N/A				Lab PM: Kramer, Jessica				Camer Tracking No(s): N/A				COC No: 890-5502.2													
Client Contact: Shipping/Receiving						Phone: N/A				E-Mail: Jessica.Kramer@et.eurofinsus.com				State of Origin: Texas				Page: Page 2 of 4													
Company: Eurofins Environment Testing South Cent										Accreditations Required (See note): NELAP - Texas										Job #: 890-8490-1											
Address: 1211 W. Florida Ave,						Due Date Requested: 7/23/2025						Analysis Requested										Preservation Codes:									
City: Midland						TAT Requested (days): N/A																									
State, Zip: TX, 79701																															
Phone: 432-704-5440(Tel)						PO #: N/A																									
Email: N/A						WO #: N/A																									
Project Name: MARQUARDT 12-13 (06.01.2025)						Project #: 88001161																									
Site: N/A						SSOW#: N/A																									
Sample Identification - Client ID (Lab ID)						Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=organic/ BT=Tissue, Air)		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		801B/4035FP_Calc/BTEX		Total BTEX_GCV		801B/4035FP_Calc		801B/4035FP_NM/8015NM_S_PrepFull TPH		300_ORGFIL_28DDI_LEACHChloride		Total Number of containers		Special Instructions/Note:	
CS - 10 (4.5') (890-8490-10)						7/21/25		Central		G		Solid						X		X		X		X		X		1			
CS - 11 (4.5') (890-8490-11)						7/21/25		Central		G		Solid						X		X		X		X		X		1			
CS - 12 (4.5') (890-8490-12)						7/21/25		Central		G		Solid						X		X		X		X		X		1			
CS - 13 (4.5') (890-8490-13)						7/21/25		Central		G		Solid						X		X		X		X		X		1			
CS - 14 (3.0') (890-8490-14)						7/21/25		Central		G		Solid						X		X		X		X		X		1			
CS - 15 (3.0') (890-8490-15)						7/21/25		Central		G		Solid						X		X		X		X		X		1			
CS - 16 (3.0') (890-8490-16)						7/21/25		Central		G		Solid						X		X		X		X		X		1			
CS - 17 (3.0') (890-8490-17)						7/21/25		Central		G		Solid						X		X		X		X		X		1			
CS - 18 (3.0') (890-8490-18)						7/21/25		Central		G		Solid						X		X		X		X		X		1			
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.																															
Possible Hazard Identification														Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																	
Unconfirmed														☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months																	
Deliverable Requested: I, II, III, IV, Other (specify) _____														Primary Deliverable Rank: 2																	
Empty Kit Relinquished by: _____														Date: _____																	
Relinquished by: _____														Time: _____																	
Relinquished by: _____														Method of Shipment: _____																	
Relinquished by: _____														Received by: _____																	
Relinquished by: _____														Date/Time: _____																	
Relinquished by: _____														Received by: _____																	
Relinquished by: _____														Date/Time: _____																	
Relinquished by: _____														Received by: _____																	
Relinquished by: _____														Date/Time: _____																	
Custody Seals Intact: Δ Yes Δ No														Custody Seal No.: _____																	
Cooler Temperature(s) °C and Other Remarks: 4.3/4.1 IR8 0.1																															

Ver: 10/10/2024

Eurofins Carlsbad

1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record



Environment Testing

[illegible]

Ver: 10/10/2024

Eurofins Carlsbad

1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)		Sampler: N/A		Lab PM: Kramer, Jessica		Carrier Tracking No(s): N/A		COC No: 890-5502.4																																					
Client Contact: Shipping/Receiving		Phone: N/A		E-Mail: Jessica.Kramer@et.eurofinsus.com		State of Origin: Texas		Page: Page 4 of 4																																					
Company: Eurofins Environment Testing South Centr				Accreditations Required (See note): NELAP - Texas				Job #: 890-8490-1																																					
Address: 1211 W. Florida Ave,		Due Date Requested: 7/23/2025		Analysis Requested					Preservation Codes:																																				
City: Midland		TAT Requested (days): N/A		<table border="1"> <tr> <td rowspan="5">Total Number of containers</td> <td>MS/MSD (Yes or No)</td> <td>Perf/MS/MSD (Yes or No)</td> <td>8021B/503GFP_CalcBTEX</td> <td>Total_BTEX_GCV</td> <td>8015MOD_Calc</td> <td>8015MOD_NM/8015NM_S_PrepFull TPH</td> <td>300_ORGFW_28D/DI_LEACHChloride</td> </tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>					Total Number of containers	MS/MSD (Yes or No)	Perf/MS/MSD (Yes or No)	8021B/503GFP_CalcBTEX	Total_BTEX_GCV	8015MOD_Calc	8015MOD_NM/8015NM_S_PrepFull TPH	300_ORGFW_28D/DI_LEACHChloride																													Other: N/A
Total Number of containers	MS/MSD (Yes or No)	Perf/MS/MSD (Yes or No)	8021B/503GFP_CalcBTEX							Total_BTEX_GCV	8015MOD_Calc	8015MOD_NM/8015NM_S_PrepFull TPH	300_ORGFW_28D/DI_LEACHChloride																																
State, Zip: TX, 79701		PO #: N/A																																											
Phone: 432-704-5440(Tel)		WO #: N/A																																											
Email: N/A		Project #: 88001161																																											
Project Name: MARQUARDT 12-13 (06 01.2025)		SSOWW: N/A																																											
Site: N/A																																													
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=Water, S=solid, ST=Soil, A=Air)	Fluid Filtered Sample (Yes or No)	Perf/MS/MSD (Yes or No)	8021B/503GFP_CalcBTEX	Total_BTEX_GCV	8015MOD_Calc	8015MOD_NM/8015NM_S_PrepFull TPH	300_ORGFW_28D/DI_LEACHChloride	Total Number of containers	Special Instructions/Note:																															
SW - 9 (4.5') (890-8490-28)		7/21/25	Central	G	Solid			X	X	X	X	X	1																																
SW - 10 (3.0') (890-8490-29)		7/21/25	Central	G	Solid			X	X	X	X	X	1																																
SW - 11 (3.0') (890-8490-30)		7/21/25	Central	G	Solid			X	X	X	X	X	1																																
SW - 12 (4.5') (890-8490-31)		7/21/25	Central	G	Solid			X	X	X	X	X	1																																
SW - 13 (3.0'-4.5') (890-8490-32)		7/21/25	Central	G	Solid			X	X	X	X	X	1																																
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.																																													
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Unconfirmed						☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months																																							
Deliverable Requested: I, II, III, IV, Other (specify)						Primary Deliverable Rank: 2						Special Instructions/QC Requirements:																																	
Empty Kit Relinquished by:				Date:		Time:		Method of Shipment:																																					
Relinquished by: <i>Burns</i>				Date/Time: 7/21 1645		Company:		Received by: <i>Teddy Fordell</i>				Date/Time: 7/22/25 0800		Company:																															
Relinquished by:				Date/Time:		Company:		Received by:				Date/Time:		Company:																															
Relinquished by:				Date/Time:		Company:		Received by:				Date/Time:		Company:																															
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.:						Cooler Temperature(s) °C and Other Remarks: 4.2/4.1 IR-8 0.1																																					

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-8490-1

SDG Number: 2749

Login Number: 8490

List Number: 1

Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-8490-1

SDG Number: 2749

Login Number: 8490

List Number: 2

Creator: Rios, Minerva

List Source: Eurofins Midland

List Creation: 07/22/25 08:22 AM

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



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/24/2025 12:14:01 PM

JOB DESCRIPTION

MARQUARDT 12-13 (06.01.2025)
2749

JOB NUMBER

890-8494-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

Eurofins Carlsbad

Job Notes

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

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

Authorization



Generated
7/24/2025 12:14:01 PM

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

Client: Carmona Resources
Project/Site: MARQUARDT 12-13 (06.01.2025)

Laboratory Job ID: 890-8494-1
SDG: 2749

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QC Sample Results	14
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Certification Summary	24
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Sample Summary	26
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Definitions/Glossary

Client: Carmona Resources
Project/Site: MARQUARDT 12-13 (06.01.2025)

Job ID: 890-8494-1
SDG: 2749

Qualifiers

GC VOA

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

GC Semi VOA

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: MARQUARDT 12-13 (06.01.2025)

Job ID: 890-8494-1

Job ID: 890-8494-1

Eurofins Carlsbad

Job Narrative 890-8494-1

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

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

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

Receipt

The samples were received on 7/22/2025 1:37 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.4°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 surrogate recovery for the blank associated with preparation batch 880-114776 and analytical batch 880-114802 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: CS-21 (4.0) (890-8494-2). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

Eurofins Carlsbad

Client Sample Results

Client: Carmona Resources
Project/Site: MARQUARDT 12-13 (06.01.2025)

Job ID: 890-8494-1
SDG: 2749

Client Sample ID: CS-20 (4.0)

Lab Sample ID: 890-8494-1

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/22/25 13:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/23/25 08:41	07/23/25 16:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/23/25 08:41	07/23/25 16:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/23/25 08:41	07/23/25 16:32	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/23/25 08:41	07/23/25 16:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/23/25 08:41	07/23/25 16:32	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/23/25 08:41	07/23/25 16:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	07/23/25 08:41	07/23/25 16:32	1
1,4-Difluorobenzene (Surr)	87		70 - 130	07/23/25 08:41	07/23/25 16:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			07/23/25 16:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/23/25 13:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/23/25 07:47	07/23/25 13:56	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/23/25 07:47	07/23/25 13:56	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/23/25 07:47	07/23/25 13:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	90		70 - 130	07/23/25 07:47	07/23/25 13:56	1
o-Terphenyl (Surr)	83		70 - 130	07/23/25 07:47	07/23/25 13:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	85.4		10.1		mg/Kg			07/23/25 14:45	1

Client Sample ID: CS-21 (4.0)

Lab Sample ID: 890-8494-2

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/22/25 13:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/23/25 08:41	07/23/25 16:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/23/25 08:41	07/23/25 16:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/23/25 08:41	07/23/25 16:52	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/23/25 08:41	07/23/25 16:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/23/25 08:41	07/23/25 16:52	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/23/25 08:41	07/23/25 16:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	07/23/25 08:41	07/23/25 16:52	1
1,4-Difluorobenzene (Surr)	99		70 - 130	07/23/25 08:41	07/23/25 16:52	1

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Client Sample Results

Client: Carmona Resources
Project/Site: MARQUARDT 12-13 (06.01.2025)

Job ID: 890-8494-1
SDG: 2749

Client Sample ID: CS-21 (4.0)

Lab Sample ID: 890-8494-2

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/22/25 13:37

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/23/25 16:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/23/25 14:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/23/25 07:47	07/23/25 14:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/23/25 07:47	07/23/25 14:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/23/25 07:47	07/23/25 14:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	75		70 - 130				07/23/25 07:47	07/23/25 14:12	1
o-Terphenyl (Surr)	69	S1-	70 - 130				07/23/25 07:47	07/23/25 14:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	116		10.1		mg/Kg			07/23/25 14:51	1

Client Sample ID: CS-22 (4.0)

Lab Sample ID: 890-8494-3

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/22/25 13:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/23/25 08:41	07/23/25 17:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/23/25 08:41	07/23/25 17:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/23/25 08:41	07/23/25 17:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/23/25 08:41	07/23/25 17:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/23/25 08:41	07/23/25 17:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/23/25 08:41	07/23/25 17:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				07/23/25 08:41	07/23/25 17:13	1
1,4-Difluorobenzene (Surr)	96		70 - 130				07/23/25 08:41	07/23/25 17:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/23/25 17:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/23/25 14:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/23/25 07:47	07/23/25 14:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/23/25 07:47	07/23/25 14:29	1

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Client Sample Results

Client: Carmona Resources
Project/Site: MARQUARDT 12-13 (06.01.2025)

Job ID: 890-8494-1
SDG: 2749

Client Sample ID: CS-22 (4.0)

Lab Sample ID: 890-8494-3

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/22/25 13:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/23/25 07:47	07/23/25 14:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	85		70 - 130				07/23/25 07:47	07/23/25 14:29	1
o-Terphenyl (Surr)	79		70 - 130				07/23/25 07:47	07/23/25 14:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	139		10.1		mg/Kg			07/23/25 15:08	1

Client Sample ID: SW-14 (4.0)

Lab Sample ID: 890-8494-4

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/22/25 13:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/23/25 08:41	07/23/25 17:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/23/25 08:41	07/23/25 17:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/23/25 08:41	07/23/25 17:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/23/25 08:41	07/23/25 17:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/23/25 08:41	07/23/25 17:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/23/25 08:41	07/23/25 17:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				07/23/25 08:41	07/23/25 17:33	1
1,4-Difluorobenzene (Surr)	97		70 - 130				07/23/25 08:41	07/23/25 17:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/23/25 17:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/23/25 15:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/23/25 07:47	07/23/25 15:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/23/25 07:47	07/23/25 15:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/23/25 07:47	07/23/25 15:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	84		70 - 130				07/23/25 07:47	07/23/25 15:22	1
o-Terphenyl (Surr)	81		70 - 130				07/23/25 07:47	07/23/25 15:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3840		99.4		mg/Kg			07/23/25 15:13	10

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Client Sample Results

Client: Carmona Resources
Project/Site: MARQUARDT 12-13 (06.01.2025)

Job ID: 890-8494-1
SDG: 2749

Client Sample ID: SW-15 (4.0)

Lab Sample ID: 890-8494-5

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/22/25 13:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/23/25 08:41	07/23/25 17:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/23/25 08:41	07/23/25 17:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/23/25 08:41	07/23/25 17:54	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/23/25 08:41	07/23/25 17:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/23/25 08:41	07/23/25 17:54	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/23/25 08:41	07/23/25 17:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	07/23/25 08:41	07/23/25 17:54	1
1,4-Difluorobenzene (Surr)	97		70 - 130	07/23/25 08:41	07/23/25 17:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/23/25 17:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/23/25 15:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/23/25 07:47	07/23/25 15:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/23/25 07:47	07/23/25 15:39	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/23/25 07:47	07/23/25 15:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	79		70 - 130	07/23/25 07:47	07/23/25 15:39	1
o-Terphenyl (Surr)	73		70 - 130	07/23/25 07:47	07/23/25 15:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3130		99.2		mg/Kg			07/23/25 15:19	10

Client Sample ID: SW-16 (4.0)

Lab Sample ID: 890-8494-6

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/22/25 13:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/23/25 08:41	07/23/25 18:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/23/25 08:41	07/23/25 18:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/23/25 08:41	07/23/25 18:14	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/23/25 08:41	07/23/25 18:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/23/25 08:41	07/23/25 18:14	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/23/25 08:41	07/23/25 18:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	07/23/25 08:41	07/23/25 18:14	1
1,4-Difluorobenzene (Surr)	94		70 - 130	07/23/25 08:41	07/23/25 18:14	1

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Client Sample Results

Client: Carmona Resources
Project/Site: MARQUARDT 12-13 (06.01.2025)

Job ID: 890-8494-1
SDG: 2749

Client Sample ID: SW-16 (4.0)

Lab Sample ID: 890-8494-6

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/22/25 13:37

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/23/25 18:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	52.7		49.8		mg/Kg			07/23/25 15:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/23/25 07:47	07/23/25 15:56	1
Diesel Range Organics (Over C10-C28)	52.7		49.8		mg/Kg		07/23/25 07:47	07/23/25 15:56	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/23/25 07:47	07/23/25 15:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	91		70 - 130				07/23/25 07:47	07/23/25 15:56	1
o-Terphenyl (Surr)	86		70 - 130				07/23/25 07:47	07/23/25 15:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9490		200		mg/Kg			07/23/25 15:25	20

Client Sample ID: SW-17 (4.0)

Lab Sample ID: 890-8494-7

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/22/25 13:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/23/25 08:41	07/23/25 18:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/23/25 08:41	07/23/25 18:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/23/25 08:41	07/23/25 18:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/23/25 08:41	07/23/25 18:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/23/25 08:41	07/23/25 18:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/23/25 08:41	07/23/25 18:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				07/23/25 08:41	07/23/25 18:35	1
1,4-Difluorobenzene (Surr)	97		70 - 130				07/23/25 08:41	07/23/25 18:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/23/25 18:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/23/25 16:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/23/25 07:47	07/23/25 16:13	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/23/25 07:47	07/23/25 16:13	1

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Client Sample Results

Client: Carmona Resources
Project/Site: MARQUARDT 12-13 (06.01.2025)

Job ID: 890-8494-1
SDG: 2749

Client Sample ID: SW-17 (4.0)

Lab Sample ID: 890-8494-7

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/22/25 13:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/23/25 07:47	07/23/25 16:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	87		70 - 130				07/23/25 07:47	07/23/25 16:13	1
o-Terphenyl (Surr)	84		70 - 130				07/23/25 07:47	07/23/25 16:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7670		200		mg/Kg			07/23/25 15:30	20

Client Sample ID: SW-18 (4.0)

Lab Sample ID: 890-8494-8

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/22/25 13:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/23/25 08:41	07/23/25 18:55	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/23/25 08:41	07/23/25 18:55	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/23/25 08:41	07/23/25 18:55	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/23/25 08:41	07/23/25 18:55	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/23/25 08:41	07/23/25 18:55	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/23/25 08:41	07/23/25 18:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				07/23/25 08:41	07/23/25 18:55	1
1,4-Difluorobenzene (Surr)	101		70 - 130				07/23/25 08:41	07/23/25 18:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/23/25 18:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/23/25 16:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/23/25 07:47	07/23/25 16:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/23/25 07:47	07/23/25 16:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/23/25 07:47	07/23/25 16:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	84		70 - 130				07/23/25 07:47	07/23/25 16:30	1
o-Terphenyl (Surr)	79		70 - 130				07/23/25 07:47	07/23/25 16:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	108		10.0		mg/Kg			07/23/25 15:36	1

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Client Sample Results

Client: Carmona Resources
Project/Site: MARQUARDT 12-13 (06.01.2025)

Job ID: 890-8494-1
SDG: 2749

Client Sample ID: SW-19 (4.0)

Lab Sample ID: 890-8494-9

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/22/25 13:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/23/25 08:41	07/23/25 19:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/23/25 08:41	07/23/25 19:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/23/25 08:41	07/23/25 19:16	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/23/25 08:41	07/23/25 19:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/23/25 08:41	07/23/25 19:16	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/23/25 08:41	07/23/25 19:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	07/23/25 08:41	07/23/25 19:16	1
1,4-Difluorobenzene (Surr)	97		70 - 130	07/23/25 08:41	07/23/25 19:16	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/23/25 19:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/23/25 16:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/23/25 07:47	07/23/25 16:47	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/23/25 07:47	07/23/25 16:47	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/23/25 07:47	07/23/25 16:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	79		70 - 130	07/23/25 07:47	07/23/25 16:47	1
o-Terphenyl (Surr)	73		70 - 130	07/23/25 07:47	07/23/25 16:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	220		10.1		mg/Kg			07/23/25 15:42	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: MARQUARDT 12-13 (06.01.2025)

Job ID: 890-8494-1
SDG: 2749

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
890-8494-1	CS-20 (4.0)	109	87				
890-8494-2	CS-21 (4.0)	101	99				
890-8494-3	CS-22 (4.0)	100	96				
890-8494-4	SW-14 (4.0)	97	97				
890-8494-5	SW-15 (4.0)	99	97				
890-8494-6	SW-16 (4.0)	100	94				
890-8494-7	SW-17 (4.0)	102	97				
890-8494-8	SW-18 (4.0)	107	101				
890-8494-9	SW-19 (4.0)	102	97				
890-8495-A-1-E MS	Matrix Spike	105	100				
890-8495-A-1-F MSD	Matrix Spike Duplicate	97	98				
LCS 880-114786/1-A	Lab Control Sample	105	100				
LCSD 880-114786/2-A	Lab Control Sample Dup	105	104				
MB 880-114786/5-A	Method Blank	108	89				
Surrogate Legend							
BFB = 4-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
890-8494-1	CS-20 (4.0)	90	83				
890-8494-2	CS-21 (4.0)	75	69 S1-				
890-8494-3	CS-22 (4.0)	85	79				
890-8494-4	SW-14 (4.0)	84	81				
890-8494-5	SW-15 (4.0)	79	73				
890-8494-6	SW-16 (4.0)	91	86				
890-8494-7	SW-17 (4.0)	87	84				
890-8494-8	SW-18 (4.0)	84	79				
890-8494-9	SW-19 (4.0)	79	73				
890-8495-A-1-C MS	Matrix Spike	90	78				
890-8495-A-1-D MSD	Matrix Spike Duplicate	91	78				
LCS 880-114776/2-A	Lab Control Sample	92	100				
LCSD 880-114776/3-A	Lab Control Sample Dup	108	97				
MB 880-114776/1-A	Method Blank	137 S1+	136 S1+				
Surrogate Legend							
1CO = 1-Chlorooctane (Surr)							
OTPH = o-Terphenyl (Surr)							

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QC Sample Results

Client: Carmona Resources
Project/Site: MARQUARDT 12-13 (06.01.2025)

Job ID: 890-8494-1
SDG: 2749

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-114786/5-A

Matrix: Solid

Analysis Batch: 114784

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114786

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/23/25 08:41	07/23/25 11:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/23/25 08:41	07/23/25 11:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/23/25 08:41	07/23/25 11:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/23/25 08:41	07/23/25 11:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/23/25 08:41	07/23/25 11:31	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/23/25 08:41	07/23/25 11:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	07/23/25 08:41	07/23/25 11:31	1
1,4-Difluorobenzene (Surr)	89		70 - 130	07/23/25 08:41	07/23/25 11:31	1

Lab Sample ID: LCS 880-114786/1-A

Matrix: Solid

Analysis Batch: 114784

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 114786

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08684		mg/Kg		87	70 - 130
Toluene	0.100	0.08407		mg/Kg		84	70 - 130
Ethylbenzene	0.100	0.09456		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	0.200	0.1879		mg/Kg		94	70 - 130
o-Xylene	0.100	0.09317		mg/Kg		93	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-114786/2-A

Matrix: Solid

Analysis Batch: 114784

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 114786

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09520		mg/Kg		95	70 - 130	9	35
Toluene	0.100	0.08802		mg/Kg		88	70 - 130	5	35
Ethylbenzene	0.100	0.09836		mg/Kg		98	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.1946		mg/Kg		97	70 - 130	3	35
o-Xylene	0.100	0.09686		mg/Kg		97	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 890-8495-A-1-E MS

Matrix: Solid

Analysis Batch: 114784

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 114786

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09440		mg/Kg		94	70 - 130
Toluene	<0.00200	U	0.100	0.08619		mg/Kg		86	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: MARQUARDT 12-13 (06.01.2025)

Job ID: 890-8494-1
SDG: 2749

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

Lab Sample ID: 890-8495-A-1-E MS

Matrix: Solid

Analysis Batch: 114784

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 114786

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.09594		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1892		mg/Kg		95	70 - 130
o-Xylene	<0.00200	U	0.100	0.09296		mg/Kg		93	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	105		70 - 130						
1,4-Difluorobenzene (Surr)	100		70 - 130						

Lab Sample ID: 890-8495-A-1-F MSD

Matrix: Solid

Analysis Batch: 114784

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 114786

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.09198		mg/Kg		92	70 - 130	3	35
Toluene	<0.00200	U	0.100	0.08252		mg/Kg		83	70 - 130	4	35
Ethylbenzene	<0.00200	U	0.100	0.08901		mg/Kg		89	70 - 130	7	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1716		mg/Kg		86	70 - 130	10	35
o-Xylene	<0.00200	U	0.100	0.08436		mg/Kg		84	70 - 130	10	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	97		70 - 130								
1,4-Difluorobenzene (Surr)	98		70 - 130								

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

Lab Sample ID: MB 880-114776/1-A

Matrix: Solid

Analysis Batch: 114802

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114776

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/23/25 07:47	07/23/25 08:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/23/25 07:47	07/23/25 08:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/23/25 07:47	07/23/25 08:29	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	137	S1+	70 - 130				07/23/25 07:47	07/23/25 08:29	1
o-Terphenyl (Surr)	136	S1+	70 - 130				07/23/25 07:47	07/23/25 08:29	1

Lab Sample ID: LCS 880-114776/2-A

Matrix: Solid

Analysis Batch: 114802

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 114776

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1059		mg/Kg		106	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1068		mg/Kg		107	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: MARQUARDT 12-13 (06.01.2025)

Job ID: 890-8494-1
SDG: 2749

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

Lab Sample ID: LCS 880-114776/2-A

Matrix: Solid

Analysis Batch: 114802

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 114776

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	92		70 - 130
o-Terphenyl (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-114776/3-A

Matrix: Solid

Analysis Batch: 114802

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 114776

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	991.2		mg/Kg		99	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	1000	936.6		mg/Kg		94	70 - 130	13	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	108		70 - 130
o-Terphenyl (Surr)	97		70 - 130

Lab Sample ID: 890-8495-A-1-C MS

Matrix: Solid

Analysis Batch: 114802

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 114776

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	879.3		mg/Kg		88	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	997	835.9		mg/Kg		84	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	90		70 - 130
o-Terphenyl (Surr)	78		70 - 130

Lab Sample ID: 890-8495-A-1-D MSD

Matrix: Solid

Analysis Batch: 114802

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 114776

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	915.3		mg/Kg		92	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	868.5		mg/Kg		87	70 - 130	4	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	91		70 - 130
o-Terphenyl (Surr)	78		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: MARQUARDT 12-13 (06.01.2025)

Job ID: 890-8494-1
SDG: 2749

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-114777/1-A

Matrix: Solid

Analysis Batch: 114799

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			07/23/25 12:52	1

Lab Sample ID: LCS 880-114777/2-A

Matrix: Solid

Analysis Batch: 114799

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	249.8		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-114777/3-A

Matrix: Solid

Analysis Batch: 114799

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	250.6		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 880-60648-A-5-C MS

Matrix: Solid

Analysis Batch: 114799

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	994		252	1228		mg/Kg		93	90 - 110

Lab Sample ID: 880-60648-A-5-D MSD

Matrix: Solid

Analysis Batch: 114799

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	994		252	1233		mg/Kg		95	90 - 110	0	20

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QC Association Summary

Client: Carmona Resources
Project/Site: MARQUARDT 12-13 (06.01.2025)

Job ID: 890-8494-1
SDG: 2749

GC VOA

Analysis Batch: 114784

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8494-1	CS-20 (4.0)	Total/NA	Solid	8021B	114786
890-8494-2	CS-21 (4.0)	Total/NA	Solid	8021B	114786
890-8494-3	CS-22 (4.0)	Total/NA	Solid	8021B	114786
890-8494-4	SW-14 (4.0)	Total/NA	Solid	8021B	114786
890-8494-5	SW-15 (4.0)	Total/NA	Solid	8021B	114786
890-8494-6	SW-16 (4.0)	Total/NA	Solid	8021B	114786
890-8494-7	SW-17 (4.0)	Total/NA	Solid	8021B	114786
890-8494-8	SW-18 (4.0)	Total/NA	Solid	8021B	114786
890-8494-9	SW-19 (4.0)	Total/NA	Solid	8021B	114786
MB 880-114786/5-A	Method Blank	Total/NA	Solid	8021B	114786
LCS 880-114786/1-A	Lab Control Sample	Total/NA	Solid	8021B	114786
LCSD 880-114786/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	114786
890-8495-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	114786
890-8495-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	114786

Prep Batch: 114786

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8494-1	CS-20 (4.0)	Total/NA	Solid	5035	
890-8494-2	CS-21 (4.0)	Total/NA	Solid	5035	
890-8494-3	CS-22 (4.0)	Total/NA	Solid	5035	
890-8494-4	SW-14 (4.0)	Total/NA	Solid	5035	
890-8494-5	SW-15 (4.0)	Total/NA	Solid	5035	
890-8494-6	SW-16 (4.0)	Total/NA	Solid	5035	
890-8494-7	SW-17 (4.0)	Total/NA	Solid	5035	
890-8494-8	SW-18 (4.0)	Total/NA	Solid	5035	
890-8494-9	SW-19 (4.0)	Total/NA	Solid	5035	
MB 880-114786/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-114786/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-114786/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8495-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
890-8495-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 114930

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8494-1	CS-20 (4.0)	Total/NA	Solid	Total BTEX	
890-8494-2	CS-21 (4.0)	Total/NA	Solid	Total BTEX	
890-8494-3	CS-22 (4.0)	Total/NA	Solid	Total BTEX	
890-8494-4	SW-14 (4.0)	Total/NA	Solid	Total BTEX	
890-8494-5	SW-15 (4.0)	Total/NA	Solid	Total BTEX	
890-8494-6	SW-16 (4.0)	Total/NA	Solid	Total BTEX	
890-8494-7	SW-17 (4.0)	Total/NA	Solid	Total BTEX	
890-8494-8	SW-18 (4.0)	Total/NA	Solid	Total BTEX	
890-8494-9	SW-19 (4.0)	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 114776

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8494-1	CS-20 (4.0)	Total/NA	Solid	8015NM Prep	
890-8494-2	CS-21 (4.0)	Total/NA	Solid	8015NM Prep	
890-8494-3	CS-22 (4.0)	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Carmona Resources
Project/Site: MARQUARDT 12-13 (06.01.2025)

Job ID: 890-8494-1
SDG: 2749

GC Semi VOA (Continued)

Prep Batch: 114776 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8494-4	SW-14 (4.0)	Total/NA	Solid	8015NM Prep	
890-8494-5	SW-15 (4.0)	Total/NA	Solid	8015NM Prep	
890-8494-6	SW-16 (4.0)	Total/NA	Solid	8015NM Prep	
890-8494-7	SW-17 (4.0)	Total/NA	Solid	8015NM Prep	
890-8494-8	SW-18 (4.0)	Total/NA	Solid	8015NM Prep	
890-8494-9	SW-19 (4.0)	Total/NA	Solid	8015NM Prep	
MB 880-114776/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-114776/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-114776/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8495-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-8495-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 114802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8494-1	CS-20 (4.0)	Total/NA	Solid	8015B NM	114776
890-8494-2	CS-21 (4.0)	Total/NA	Solid	8015B NM	114776
890-8494-3	CS-22 (4.0)	Total/NA	Solid	8015B NM	114776
890-8494-4	SW-14 (4.0)	Total/NA	Solid	8015B NM	114776
890-8494-5	SW-15 (4.0)	Total/NA	Solid	8015B NM	114776
890-8494-6	SW-16 (4.0)	Total/NA	Solid	8015B NM	114776
890-8494-7	SW-17 (4.0)	Total/NA	Solid	8015B NM	114776
890-8494-8	SW-18 (4.0)	Total/NA	Solid	8015B NM	114776
890-8494-9	SW-19 (4.0)	Total/NA	Solid	8015B NM	114776
MB 880-114776/1-A	Method Blank	Total/NA	Solid	8015B NM	114776
LCS 880-114776/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	114776
LCSD 880-114776/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	114776
890-8495-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	114776
890-8495-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	114776

Analysis Batch: 114857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8494-1	CS-20 (4.0)	Total/NA	Solid	8015 NM	
890-8494-2	CS-21 (4.0)	Total/NA	Solid	8015 NM	
890-8494-3	CS-22 (4.0)	Total/NA	Solid	8015 NM	
890-8494-4	SW-14 (4.0)	Total/NA	Solid	8015 NM	
890-8494-5	SW-15 (4.0)	Total/NA	Solid	8015 NM	
890-8494-6	SW-16 (4.0)	Total/NA	Solid	8015 NM	
890-8494-7	SW-17 (4.0)	Total/NA	Solid	8015 NM	
890-8494-8	SW-18 (4.0)	Total/NA	Solid	8015 NM	
890-8494-9	SW-19 (4.0)	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 114777

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8494-1	CS-20 (4.0)	Soluble	Solid	DI Leach	
890-8494-2	CS-21 (4.0)	Soluble	Solid	DI Leach	
890-8494-3	CS-22 (4.0)	Soluble	Solid	DI Leach	
890-8494-4	SW-14 (4.0)	Soluble	Solid	DI Leach	
890-8494-5	SW-15 (4.0)	Soluble	Solid	DI Leach	
890-8494-6	SW-16 (4.0)	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Carmona Resources
Project/Site: MARQUARDT 12-13 (06.01.2025)

Job ID: 890-8494-1
SDG: 2749

HPLC/IC (Continued)

Leach Batch: 114777 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8494-7	SW-17 (4.0)	Soluble	Solid	DI Leach	
890-8494-8	SW-18 (4.0)	Soluble	Solid	DI Leach	
890-8494-9	SW-19 (4.0)	Soluble	Solid	DI Leach	
MB 880-114777/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-114777/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-114777/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-60648-A-5-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-60648-A-5-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 114799

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8494-1	CS-20 (4.0)	Soluble	Solid	300.0	114777
890-8494-2	CS-21 (4.0)	Soluble	Solid	300.0	114777
890-8494-3	CS-22 (4.0)	Soluble	Solid	300.0	114777
890-8494-4	SW-14 (4.0)	Soluble	Solid	300.0	114777
890-8494-5	SW-15 (4.0)	Soluble	Solid	300.0	114777
890-8494-6	SW-16 (4.0)	Soluble	Solid	300.0	114777
890-8494-7	SW-17 (4.0)	Soluble	Solid	300.0	114777
890-8494-8	SW-18 (4.0)	Soluble	Solid	300.0	114777
890-8494-9	SW-19 (4.0)	Soluble	Solid	300.0	114777
MB 880-114777/1-A	Method Blank	Soluble	Solid	300.0	114777
LCS 880-114777/2-A	Lab Control Sample	Soluble	Solid	300.0	114777
LCSD 880-114777/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	114777
880-60648-A-5-C MS	Matrix Spike	Soluble	Solid	300.0	114777
880-60648-A-5-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	114777

Lab Chronicle

Client: Carmona Resources
Project/Site: MARQUARDT 12-13 (06.01.2025)

Job ID: 890-8494-1
SDG: 2749

Client Sample ID: CS-20 (4.0)
Date Collected: 07/22/25 00:00
Date Received: 07/22/25 13:37

Lab Sample ID: 890-8494-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	114786	07/23/25 08:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114784	07/23/25 16:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114930	07/23/25 16:32	SA	EET MID
Total/NA	Analysis	8015 NM		1			114857	07/23/25 13:56	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	114776	07/23/25 07:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114802	07/23/25 13:56	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	114777	07/23/25 07:49	SA	EET MID
Soluble	Analysis	300.0		1			114799	07/23/25 14:45	CS	EET MID

Client Sample ID: CS-21 (4.0)
Date Collected: 07/22/25 00:00
Date Received: 07/22/25 13:37

Lab Sample ID: 890-8494-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	114786	07/23/25 08:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114784	07/23/25 16:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114930	07/23/25 16:52	SA	EET MID
Total/NA	Analysis	8015 NM		1			114857	07/23/25 14:12	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	114776	07/23/25 07:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114802	07/23/25 14:12	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	114777	07/23/25 07:49	SA	EET MID
Soluble	Analysis	300.0		1			114799	07/23/25 14:51	CS	EET MID

Client Sample ID: CS-22 (4.0)
Date Collected: 07/22/25 00:00
Date Received: 07/22/25 13:37

Lab Sample ID: 890-8494-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	114786	07/23/25 08:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114784	07/23/25 17:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114930	07/23/25 17:13	SA	EET MID
Total/NA	Analysis	8015 NM		1			114857	07/23/25 14:29	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	114776	07/23/25 07:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114802	07/23/25 14:29	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	114777	07/23/25 07:49	SA	EET MID
Soluble	Analysis	300.0		1			114799	07/23/25 15:08	CS	EET MID

Client Sample ID: SW-14 (4.0)
Date Collected: 07/22/25 00:00
Date Received: 07/22/25 13:37

Lab Sample ID: 890-8494-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	114786	07/23/25 08:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114784	07/23/25 17:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114930	07/23/25 17:33	SA	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: MARQUARDT 12-13 (06.01.2025)

Job ID: 890-8494-1
SDG: 2749

Client Sample ID: SW-14 (4.0)
Date Collected: 07/22/25 00:00
Date Received: 07/22/25 13:37

Lab Sample ID: 890-8494-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			114857	07/23/25 15:22	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	114776	07/23/25 07:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114802	07/23/25 15:22	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	114777	07/23/25 07:49	SA	EET MID
Soluble	Analysis	300.0		10			114799	07/23/25 15:13	CS	EET MID

Client Sample ID: SW-15 (4.0)
Date Collected: 07/22/25 00:00
Date Received: 07/22/25 13:37

Lab Sample ID: 890-8494-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	114786	07/23/25 08:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114784	07/23/25 17:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114930	07/23/25 17:54	SA	EET MID
Total/NA	Analysis	8015 NM		1			114857	07/23/25 15:39	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	114776	07/23/25 07:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114802	07/23/25 15:39	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	114777	07/23/25 07:49	SA	EET MID
Soluble	Analysis	300.0		10			114799	07/23/25 15:19	CS	EET MID

Client Sample ID: SW-16 (4.0)
Date Collected: 07/22/25 00:00
Date Received: 07/22/25 13:37

Lab Sample ID: 890-8494-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	114786	07/23/25 08:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114784	07/23/25 18:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114930	07/23/25 18:14	SA	EET MID
Total/NA	Analysis	8015 NM		1			114857	07/23/25 15:56	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	114776	07/23/25 07:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114802	07/23/25 15:56	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	114777	07/23/25 07:49	SA	EET MID
Soluble	Analysis	300.0		20			114799	07/23/25 15:25	CS	EET MID

Client Sample ID: SW-17 (4.0)
Date Collected: 07/22/25 00:00
Date Received: 07/22/25 13:37

Lab Sample ID: 890-8494-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	114786	07/23/25 08:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114784	07/23/25 18:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114930	07/23/25 18:35	SA	EET MID
Total/NA	Analysis	8015 NM		1			114857	07/23/25 16:13	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	114776	07/23/25 07:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114802	07/23/25 16:13	TKC	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: MARQUARDT 12-13 (06.01.2025)

Job ID: 890-8494-1
SDG: 2749

Client Sample ID: SW-17 (4.0)
Date Collected: 07/22/25 00:00
Date Received: 07/22/25 13:37

Lab Sample ID: 890-8494-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.00 g	50 mL	114777	07/23/25 07:49	SA	EET MID
Soluble	Analysis	300.0		20			114799	07/23/25 15:30	CS	EET MID

Client Sample ID: SW-18 (4.0)
Date Collected: 07/22/25 00:00
Date Received: 07/22/25 13:37

Lab Sample ID: 890-8494-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	114786	07/23/25 08:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114784	07/23/25 18:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114930	07/23/25 18:55	SA	EET MID
Total/NA	Analysis	8015 NM		1			114857	07/23/25 16:30	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	114776	07/23/25 07:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114802	07/23/25 16:30	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	114777	07/23/25 07:49	SA	EET MID
Soluble	Analysis	300.0		1			114799	07/23/25 15:36	CS	EET MID

Client Sample ID: SW-19 (4.0)
Date Collected: 07/22/25 00:00
Date Received: 07/22/25 13:37

Lab Sample ID: 890-8494-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	114786	07/23/25 08:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114784	07/23/25 19:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114930	07/23/25 19:16	SA	EET MID
Total/NA	Analysis	8015 NM		1			114857	07/23/25 16:47	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	114776	07/23/25 07:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114802	07/23/25 16:47	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	114777	07/23/25 07:49	SA	EET MID
Soluble	Analysis	300.0		1			114799	07/23/25 15:42	CS	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: MARQUARDT 12-13 (06.01.2025)

Job ID: 890-8494-1
SDG: 2749

Laboratory: Eurofins Midland

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

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

Method Summary

Client: Carmona Resources
Project/Site: MARQUARDT 12-13 (06.01.2025)

Job ID: 890-8494-1
SDG: 2749

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: MARQUARDT 12-13 (06.01.2025)

Job ID: 890-8494-1
SDG: 2749

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-8494-1	CS-20 (4.0)	Solid	07/22/25 00:00	07/22/25 13:37
890-8494-2	CS-21 (4.0)	Solid	07/22/25 00:00	07/22/25 13:37
890-8494-3	CS-22 (4.0)	Solid	07/22/25 00:00	07/22/25 13:37
890-8494-4	SW-14 (4.0)	Solid	07/22/25 00:00	07/22/25 13:37
890-8494-5	SW-15 (4.0)	Solid	07/22/25 00:00	07/22/25 13:37
890-8494-6	SW-16 (4.0)	Solid	07/22/25 00:00	07/22/25 13:37
890-8494-7	SW-17 (4.0)	Solid	07/22/25 00:00	07/22/25 13:37
890-8494-8	SW-18 (4.0)	Solid	07/22/25 00:00	07/22/25 13:37
890-8494-9	SW-19 (4.0)	Solid	07/22/25 00:00	07/22/25 13:37

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Chain of Custody

Work Order No.



890-8494 Chain of Custody

7/24/2025

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

Pr.	Refund	☐
State of Project:		
Reporting: Level II	☐ Level III	☐ ST/UST
☐ RRP	☐ Level IV	☐
Deliverables: EDD	☐ ADaPT	☐ Other:

Project Name:		Marquardt 12-13 (06.01.2025)		Turn Around		ANALYSIS REQUEST										Preservative Codes									
Project Number:		2749		☐ Routine ☒ Rush		Pres. Code												None: NO DI Water: H ₂ O							
Project Location		Eddy Co, NM		Due Date:		48 Hours														Cool: Cool MeOH: Me					
Sampler's Name:		JDC																		HCL: HC HNO ₃ : HN					
PO #:																				H ₂ SO ₄ : H ₂ NaOH: Na					
SAMPLE RECEIPT		Temp Blank:		Yes No		Wet Ice:		Yes No														H ₃ PO ₄ : HP			
Received Intact:		Yes No		Thermometer ID:		Tamer																NaHSO ₄ : NABIS			
Cooler Custody Seals:		Yes No		N/A		Correction Factor:		-0.2														Na ₂ S ₂ O ₃ : NaSO ₃			
Sample Custody Seals:		Yes No		N/A		Temperature Reading:		5.6														Zn Acetate+NaOH: Zn			
Total Containers:				Corrected Temperature:		5.4																NaOH+Ascorbic Acid: SAPC			
Sample Identification		Date		Time		Soil		Water		Grab/ Comp		# of Cont												Sample Comments	
CS-20 (4.0')		7/22/2025				X				C		1		X X X											
CS-21 (4.0')		7/22/2025				X				C		1		X X X											
CS-22 (4.0')		7/22/2025				X				C		1		X X X											
SW-14 (4.0')		7/22/2025				X				C		1		X X X											
SW-15 (4.0')		7/22/2025				X				C		1		X X X											
SW-16 (4.0')		7/22/2025				X				C		1		X X X											
SW-17 (4.0')		7/22/2025				X				C		1		X X X											
SW-18 (4.0')		7/22/2025				X				C		1		X X X											
SW-19 (4.0')		7/22/2025				X				C		1		X X X											

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>JDC</i>		<i>Burns</i>	7/22/2025 3:20:26 PM

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Released to Imaging: 8/15/2025 3:20:26 PM

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-8494-1

SDG Number: 2749

Login Number: 8494

List Number: 1

Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-8494-1

SDG Number: 2749

Login Number: 8494

List Number: 2

Creator: Laing, Edmundo

List Source: Eurofins Midland

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

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/24/2025 3:23:57 PM

JOB DESCRIPTION

MARQUARDT 12-13 (06.01.2025)
2749

JOB NUMBER

890-8506-1

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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7/24/2025 3:23:57 PM

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

Client: Carmona Resources
Project/Site: MARQUARDT 12-13 (06.01.2025)

Laboratory Job ID: 890-8506-1
SDG: 2749

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Definitions/Glossary

Client: Carmona Resources
Project/Site: MARQUARDT 12-13 (06.01.2025)

Job ID: 890-8506-1
SDG: 2749

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: MARQUARDT 12-13 (06.01.2025)

Job ID: 890-8506-1

Job ID: 890-8506-1

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Job Narrative 890-8506-1

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

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

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

Receipt

The samples were received on 7/23/2025 3:39 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.8°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

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: MARQUARDT 12-13 (06.01.2025)

Job ID: 890-8506-1
SDG: 2749

Client Sample ID: CS - 13 (4.75')

Lab Sample ID: 890-8506-1

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/23/25 15:39

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/24/25 08:52	07/24/25 12:10	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/24/25 08:52	07/24/25 12:10	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/24/25 08:52	07/24/25 12:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/24/25 08:52	07/24/25 12:10	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/24/25 08:52	07/24/25 12:10	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/24/25 08:52	07/24/25 12:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	07/24/25 08:52	07/24/25 12:10	1
1,4-Difluorobenzene (Surr)	101		70 - 130	07/24/25 08:52	07/24/25 12:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/24/25 12:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/24/25 13:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/22/25 14:57	07/24/25 13:57	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/22/25 14:57	07/24/25 13:57	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/22/25 14:57	07/24/25 13:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	106		70 - 130	07/22/25 14:57	07/24/25 13:57	1
o-Terphenyl (Surr)	112		70 - 130	07/22/25 14:57	07/24/25 13:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.2		10.1		mg/Kg			07/24/25 11:40	1

Client Sample ID: CS - 14 (3.25')

Lab Sample ID: 890-8506-2

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/23/25 15:39

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/24/25 08:52	07/24/25 12:31	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/24/25 08:52	07/24/25 12:31	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/24/25 08:52	07/24/25 12:31	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		07/24/25 08:52	07/24/25 12:31	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/24/25 08:52	07/24/25 12:31	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/24/25 08:52	07/24/25 12:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	07/24/25 08:52	07/24/25 12:31	1
1,4-Difluorobenzene (Surr)	99		70 - 130	07/24/25 08:52	07/24/25 12:31	1

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Client Sample Results

Client: Carmona Resources
Project/Site: MARQUARDT 12-13 (06.01.2025)

Job ID: 890-8506-1
SDG: 2749

Client Sample ID: CS - 14 (3.25')

Lab Sample ID: 890-8506-2

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/23/25 15:39

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			07/24/25 12:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/24/25 14:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/22/25 14:57	07/24/25 14:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/22/25 14:57	07/24/25 14:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/22/25 14:57	07/24/25 14:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130				07/22/25 14:57	07/24/25 14:12	1
o-Terphenyl (Surr)	111		70 - 130				07/22/25 14:57	07/24/25 14:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98		mg/Kg			07/24/25 11:48	1

Client Sample ID: SW - 12 (4.5')

Lab Sample ID: 890-8506-3

Date Collected: 07/22/25 00:00

Matrix: Solid

Date Received: 07/23/25 15:39

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/24/25 08:52	07/24/25 12:51	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/24/25 08:52	07/24/25 12:51	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/24/25 08:52	07/24/25 12:51	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/24/25 08:52	07/24/25 12:51	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/24/25 08:52	07/24/25 12:51	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/24/25 08:52	07/24/25 12:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				07/24/25 08:52	07/24/25 12:51	1
1,4-Difluorobenzene (Surr)	102		70 - 130				07/24/25 08:52	07/24/25 12:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/24/25 12:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/24/25 14:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/25 14:57	07/24/25 14:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/25 14:57	07/24/25 14:28	1

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Client Sample Results

Client: Carmona Resources
Project/Site: MARQUARDT 12-13 (06.01.2025)

Job ID: 890-8506-1
SDG: 2749

Client Sample ID: SW - 12 (4.5')
Date Collected: 07/22/25 00:00
Date Received: 07/23/25 15:39

Lab Sample ID: 890-8506-3
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 14:57	07/24/25 14:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	115		70 - 130				07/22/25 14:57	07/24/25 14:28	1
o-Terphenyl (Surr)	119		70 - 130				07/22/25 14:57	07/24/25 14:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.4		10.1		mg/Kg			07/24/25 11:55	1

Surrogate Summary

Client: Carmona Resources
Project/Site: MARQUARDT 12-13 (06.01.2025)

Job ID: 890-8506-1
SDG: 2749

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-60669-A-1-G MS	Matrix Spike	104	104
880-60669-A-1-H MSD	Matrix Spike Duplicate	98	104
890-8506-1	CS - 13 (4.75')	97	101
890-8506-2	CS - 14 (3.25')	100	99
890-8506-3	SW - 12 (4.5')	99	102
LCS 880-114887/1-A	Lab Control Sample	105	109
LCSD 880-114887/2-A	Lab Control Sample Dup	101	103
MB 880-114887/5-A	Method Blank	106	86
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
830-8181-A-7-F MS	Matrix Spike	111	110
830-8181-A-7-G MSD	Matrix Spike Duplicate	113	111
890-8506-1	CS - 13 (4.75')	106	112
890-8506-2	CS - 14 (3.25')	107	111
890-8506-3	SW - 12 (4.5')	115	119
LCS 880-114750/2-A	Lab Control Sample	125	129
LCSD 880-114750/3-A	Lab Control Sample Dup	127	130
MB 880-114750/1-A	Method Blank	96	101
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

QC Sample Results

Client: Carmona Resources
Project/Site: MARQUARDT 12-13 (06.01.2025)

Job ID: 890-8506-1
SDG: 2749

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-114887/5-A

Matrix: Solid

Analysis Batch: 114884

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114887

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/24/25 08:52	07/24/25 11:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/24/25 08:52	07/24/25 11:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/24/25 08:52	07/24/25 11:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/24/25 08:52	07/24/25 11:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/24/25 08:52	07/24/25 11:28	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/24/25 08:52	07/24/25 11:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	07/24/25 08:52	07/24/25 11:28	1
1,4-Difluorobenzene (Surr)	86		70 - 130	07/24/25 08:52	07/24/25 11:28	1

Lab Sample ID: LCS 880-114887/1-A

Matrix: Solid

Analysis Batch: 114884

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 114887

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1045		mg/Kg		104	70 - 130
Toluene	0.100	0.09772		mg/Kg		98	70 - 130
Ethylbenzene	0.100	0.1100		mg/Kg		110	70 - 130
m-Xylene & p-Xylene	0.200	0.2174		mg/Kg		109	70 - 130
o-Xylene	0.100	0.1077		mg/Kg		108	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: LCSD 880-114887/2-A

Matrix: Solid

Analysis Batch: 114884

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 114887

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.09953		mg/Kg		100	70 - 130	5	35
Toluene	0.100	0.09163		mg/Kg		92	70 - 130	6	35
Ethylbenzene	0.100	0.1033		mg/Kg		103	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.2043		mg/Kg		102	70 - 130	6	35
o-Xylene	0.100	0.1005		mg/Kg		100	70 - 130	7	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-60669-A-1-G MS

Matrix: Solid

Analysis Batch: 114884

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 114887

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09086		mg/Kg		91	70 - 130
Toluene	<0.00200	U	0.100	0.08109		mg/Kg		81	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: MARQUARDT 12-13 (06.01.2025)

Job ID: 890-8506-1
SDG: 2749

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

Lab Sample ID: 880-60669-A-1-G MS

Matrix: Solid

Analysis Batch: 114884

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 114887

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.08705		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1737		mg/Kg		87	70 - 130
o-Xylene	<0.00200	U	0.100	0.08756		mg/Kg		88	70 - 130

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

Lab Sample ID: 880-60669-A-1-H MSD

Matrix: Solid

Analysis Batch: 114884

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 114887

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.09969		mg/Kg		100	70 - 130	9	35
Toluene	<0.00200	U	0.100	0.08879		mg/Kg		89	70 - 130	9	35
Ethylbenzene	<0.00200	U	0.100	0.09695		mg/Kg		97	70 - 130	11	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1945		mg/Kg		97	70 - 130	11	35
o-Xylene	<0.00200	U	0.100	0.09732		mg/Kg		97	70 - 130	11	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

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

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

Matrix: Solid

Analysis Batch: 114924

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114750

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/25 14:57	07/24/25 11:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/25 14:57	07/24/25 11:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 14:57	07/24/25 11:09	1

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

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

Matrix: Solid

Analysis Batch: 114924

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 114750

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

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QC Sample Results

Client: Carmona Resources
Project/Site: MARQUARDT 12-13 (06.01.2025)

Job ID: 890-8506-1
SDG: 2749

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

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

Matrix: Solid

Analysis Batch: 114924

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 114750

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

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

Matrix: Solid

Analysis Batch: 114924

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 114750

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

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	127		70 - 130
o-Terphenyl (Surr)	130		70 - 130

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

Matrix: Solid

Analysis Batch: 114924

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 114750

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	905.0		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	999	810.4		mg/Kg		79	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	111		70 - 130
o-Terphenyl (Surr)	110		70 - 130

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

Matrix: Solid

Analysis Batch: 114924

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 114750

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	910.2		mg/Kg		91	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	793.3		mg/Kg		77	70 - 130	2	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	113		70 - 130
o-Terphenyl (Surr)	111		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: MARQUARDT 12-13 (06.01.2025)

Job ID: 890-8506-1
SDG: 2749

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-114886/1-A
Matrix: Solid
Analysis Batch: 114891

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			07/24/25 10:08	1

Lab Sample ID: LCS 880-114886/2-A
Matrix: Solid
Analysis Batch: 114891

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	232.1		mg/Kg		93	90 - 110

Lab Sample ID: LCSD 880-114886/3-A
Matrix: Solid
Analysis Batch: 114891

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	229.0		mg/Kg		92	90 - 110	1	20

Lab Sample ID: 880-60682-A-1-F MS
Matrix: Solid
Analysis Batch: 114891

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	104		249	337.6		mg/Kg		94	90 - 110

Lab Sample ID: 880-60682-A-1-G MSD
Matrix: Solid
Analysis Batch: 114891

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	104		249	337.6		mg/Kg		94	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: MARQUARDT 12-13 (06.01.2025)

Job ID: 890-8506-1
SDG: 2749

GC VOA

Analysis Batch: 114884

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8506-1	CS - 13 (4.75')	Total/NA	Solid	8021B	114887
890-8506-2	CS - 14 (3.25')	Total/NA	Solid	8021B	114887
890-8506-3	SW - 12 (4.5')	Total/NA	Solid	8021B	114887
MB 880-114887/5-A	Method Blank	Total/NA	Solid	8021B	114887
LCS 880-114887/1-A	Lab Control Sample	Total/NA	Solid	8021B	114887
LCSD 880-114887/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	114887
880-60669-A-1-G MS	Matrix Spike	Total/NA	Solid	8021B	114887
880-60669-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	114887

Prep Batch: 114887

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8506-1	CS - 13 (4.75')	Total/NA	Solid	5035	
890-8506-2	CS - 14 (3.25')	Total/NA	Solid	5035	
890-8506-3	SW - 12 (4.5')	Total/NA	Solid	5035	
MB 880-114887/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-114887/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-114887/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-60669-A-1-G MS	Matrix Spike	Total/NA	Solid	5035	
880-60669-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 114972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8506-1	CS - 13 (4.75')	Total/NA	Solid	Total BTEX	
890-8506-2	CS - 14 (3.25')	Total/NA	Solid	Total BTEX	
890-8506-3	SW - 12 (4.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 114750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8506-1	CS - 13 (4.75')	Total/NA	Solid	8015NM Prep	
890-8506-2	CS - 14 (3.25')	Total/NA	Solid	8015NM Prep	
890-8506-3	SW - 12 (4.5')	Total/NA	Solid	8015NM Prep	
MB 880-114750/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-114750/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-114750/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
830-8181-A-7-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
830-8181-A-7-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 114924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8506-1	CS - 13 (4.75')	Total/NA	Solid	8015B NM	114750
890-8506-2	CS - 14 (3.25')	Total/NA	Solid	8015B NM	114750
890-8506-3	SW - 12 (4.5')	Total/NA	Solid	8015B NM	114750
MB 880-114750/1-A	Method Blank	Total/NA	Solid	8015B NM	114750
LCS 880-114750/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	114750
LCSD 880-114750/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	114750
830-8181-A-7-F MS	Matrix Spike	Total/NA	Solid	8015B NM	114750
830-8181-A-7-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	114750

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QC Association Summary

Client: Carmona Resources
Project/Site: MARQUARDT 12-13 (06.01.2025)

Job ID: 890-8506-1
SDG: 2749

GC Semi VOA

Analysis Batch: 114980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8506-1	CS - 13 (4.75')	Total/NA	Solid	8015 NM	
890-8506-2	CS - 14 (3.25')	Total/NA	Solid	8015 NM	
890-8506-3	SW - 12 (4.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 114886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8506-1	CS - 13 (4.75')	Soluble	Solid	DI Leach	
890-8506-2	CS - 14 (3.25')	Soluble	Solid	DI Leach	
890-8506-3	SW - 12 (4.5')	Soluble	Solid	DI Leach	
MB 880-114886/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-114886/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-114886/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-60682-A-1-F MS	Matrix Spike	Soluble	Solid	DI Leach	
880-60682-A-1-G MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 114891

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8506-1	CS - 13 (4.75')	Soluble	Solid	300.0	114886
890-8506-2	CS - 14 (3.25')	Soluble	Solid	300.0	114886
890-8506-3	SW - 12 (4.5')	Soluble	Solid	300.0	114886
MB 880-114886/1-A	Method Blank	Soluble	Solid	300.0	114886
LCS 880-114886/2-A	Lab Control Sample	Soluble	Solid	300.0	114886
LCSD 880-114886/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	114886
880-60682-A-1-F MS	Matrix Spike	Soluble	Solid	300.0	114886
880-60682-A-1-G MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	114886

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Lab Chronicle

Client: Carmona Resources
Project/Site: MARQUARDT 12-13 (06.01.2025)

Job ID: 890-8506-1
SDG: 2749

Client Sample ID: CS - 13 (4.75')
Date Collected: 07/22/25 00:00
Date Received: 07/23/25 15:39

Lab Sample ID: 890-8506-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	114887	07/24/25 08:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114884	07/24/25 12:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114972	07/24/25 12:10	SA	EET MID
Total/NA	Analysis	8015 NM		1			114980	07/24/25 13:57	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	114750	07/22/25 14:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114924	07/24/25 13:57	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	114886	07/24/25 08:28	SI	EET MID
Soluble	Analysis	300.0		1			114891	07/24/25 11:40	CS	EET MID

Client Sample ID: CS - 14 (3.25')
Date Collected: 07/22/25 00:00
Date Received: 07/23/25 15:39

Lab Sample ID: 890-8506-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	114887	07/24/25 08:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114884	07/24/25 12:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114972	07/24/25 12:31	SA	EET MID
Total/NA	Analysis	8015 NM		1			114980	07/24/25 14:12	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	114750	07/22/25 14:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114924	07/24/25 14:12	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	114886	07/24/25 08:28	SI	EET MID
Soluble	Analysis	300.0		1			114891	07/24/25 11:48	CS	EET MID

Client Sample ID: SW - 12 (4.5')
Date Collected: 07/22/25 00:00
Date Received: 07/23/25 15:39

Lab Sample ID: 890-8506-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	114887	07/24/25 08:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114884	07/24/25 12:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114972	07/24/25 12:51	SA	EET MID
Total/NA	Analysis	8015 NM		1			114980	07/24/25 14:28	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	114750	07/22/25 14:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114924	07/24/25 14:28	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	114886	07/24/25 08:28	SI	EET MID
Soluble	Analysis	300.0		1			114891	07/24/25 11:55	CS	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: MARQUARDT 12-13 (06.01.2025)

Job ID: 890-8506-1
SDG: 2749

Laboratory: Eurofins Midland

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

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

Method Summary

Client: Carmona Resources
Project/Site: MARQUARDT 12-13 (06.01.2025)

Job ID: 890-8506-1
SDG: 2749

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: MARQUARDT 12-13 (06.01.2025)

Job ID: 890-8506-1
SDG: 2749

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-8506-1	CS - 13 (4.75')	Solid	07/22/25 00:00	07/23/25 15:39
890-8506-2	CS - 14 (3.25')	Solid	07/22/25 00:00	07/23/25 15:39
890-8506-3	SW - 12 (4.5')	Solid	07/22/25 00:00	07/23/25 15:39

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Page 1 of 1

Comments:



Eurofins Carlsbad

1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record



Client Information (Sub Contract Lab)		Sampler: N/A		Lab PM: Kramer, Jessica		Carrier Tracking No(s): N/A		COC No: 890-5515.1						
Client Contact: Shipping/Receiving		Phone: N/A		E-Mail: Jessica.Kramer@et.eurofinsus.com		State of Origin: Texas		Page: Page 1 of 1						
Company: Eurofins Environment Testing South Centr				Accreditations Required (See note): NELAP - Texas				Job #: 890-8506-1						
Address: 1211 W. Florida Ave, City: Midland State, Zip: TX, 79701		Due Date Requested: 7/24/2025		Analysis Requested						Preservation Codes:				
Phone: 432-704-5440(Tel)		TAT Requested (days): N/A								Other: N/A				
Email: N/A		PO #: N/A												
Project Name: MARQUARDT 12-13 906.01.2025)		WO #: N/A												
Site: N/A		Project #: 88001161												
		SSOW#: N/A												
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8021B/8035FP_CalcBTEX	Total_BTEX_GCV	8015MOD_Calc	8015MOD_NM/8015NM_S_PrepFull TPH	300_ORGFM_28D/DI_LEACHChloride	Total Number of containers	Special Instructions/Note:
CS - 13 (4.75') (890-8506-1)		7/22/25	Central	G	Solid			X	X	X	X	X	1	
CS - 14 (3.25') (890-8506-2)		7/22/25	Central	G	Solid			X	X	X	X	X	1	
SW - 12 (4.5') (890-8506-3)		7/22/25	Central	G	Solid			X	X	X	X	X	1	
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.														
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)								
Unconfirmed						☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months								
Deliverable Requested: I, II, III, IV, Other (specify)						Primary Deliverable Rank: 2						Special Instructions/QC Requirements:		
Empty Kit Relinquished by:			Date:		Time:		Method of Shipment:							
Relinquished by: <i>[Signature]</i>			Date/Time: 7/23 1630		Company:		Received by: <i>[Signature]</i>			Date/Time: 7/24/25 0800		Company:		
Relinquished by:			Date/Time:		Company:		Received by:			Date/Time:		Company:		
Relinquished by:			Date/Time:		Company:		Received by:			Date/Time:		Company:		
Custody Seals Intact: ☐ Yes ☐ No		Custody Seal No.:				Cooler Temperature(s) °C and Other Remarks: 4.2/4.1 IR-8 (-0.1)								

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-8506-1

SDG Number: 2749

Login Number: 8506

List Number: 1

Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-8506-1

SDG Number: 2749

Login Number: 8506

List Number: 2

Creator: Laing, Edmundo

List Source: Eurofins Midland

List Creation: 07/24/25 07:56 AM

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/23/2025 11:40:15 AM

JOB DESCRIPTION

Marquardt 12-13 (06.01.2025)
2749

JOB NUMBER

890-8491-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

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Job Notes

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

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

Authorization



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Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Laboratory Job ID: 890-8491-1
SDG: 2749

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8491-1
SDG: 2749

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Marquardt 12-13 (06.01.2025)

Job ID: 890-8491-1

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Job Narrative 890-8491-1

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 7/21/2025 4:25 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.6°C.

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: FRED BEARD BACKFILL (890-8491-1).

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: Surrogate recovery for the following samples were outside control limits: (LCS 880-114633/2-A) and (LCSD 880-114633/3-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-114633 and analytical batch 880-114680 was outside the upper control limits.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-114633 and analytical batch 880-114680 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.

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: Marquardt 12-13 (06.01.2025)

Job ID: 890-8491-1
SDG: 2749

Client Sample ID: FRED BEARD BACKFILL

Lab Sample ID: 890-8491-1

Date Collected: 07/21/25 00:00

Matrix: Solid

Date Received: 07/21/25 16:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:12	07/22/25 13:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:12	07/22/25 13:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:12	07/22/25 13:26	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/22/25 08:12	07/22/25 13:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:12	07/22/25 13:26	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/22/25 08:12	07/22/25 13:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	07/22/25 08:12	07/22/25 13:26	1
1,4-Difluorobenzene (Surr)	98		70 - 130	07/22/25 08:12	07/22/25 13:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/22/25 13:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/22/25 19:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/25 08:15	07/22/25 19:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/25 08:15	07/22/25 19:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 08:15	07/22/25 19:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	126		70 - 130	07/22/25 08:15	07/22/25 19:39	1
o-Terphenyl (Surr)	128		70 - 130	07/22/25 08:15	07/22/25 19:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	89.4		9.98		mg/Kg			07/22/25 16:38	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8491-1
SDG: 2749

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-8491-1	FRED BEARD BACKFILL	107	98
890-8492-A-1-H MS	Matrix Spike	106	104
890-8492-A-1-I MSD	Matrix Spike Duplicate	104	103
LCS 880-114639/1-A	Lab Control Sample	100	104
LCSD 880-114639/2-A	Lab Control Sample Dup	102	105
MB 880-114639/5-A	Method Blank	96	94
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-8490-A-17-C MS	Matrix Spike	125	125
890-8490-A-17-D MSD	Matrix Spike Duplicate	124	121
890-8491-1	FRED BEARD BACKFILL	126	128
LCS 880-114633/2-A	Lab Control Sample	131 S1+	135 S1+
LCSD 880-114633/3-A	Lab Control Sample Dup	136 S1+	140 S1+
MB 880-114633/1-A	Method Blank	118	133 S1+
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

QC Sample Results

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8491-1
SDG: 2749

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-114639/5-A

Matrix: Solid

Analysis Batch: 114646

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114639

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:12	07/22/25 11:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:12	07/22/25 11:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:12	07/22/25 11:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/22/25 08:12	07/22/25 11:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:12	07/22/25 11:22	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/22/25 08:12	07/22/25 11:22	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	07/22/25 08:12	07/22/25 11:22	1
1,4-Difluorobenzene (Surr)	94		70 - 130	07/22/25 08:12	07/22/25 11:22	1

Lab Sample ID: LCS 880-114639/1-A

Matrix: Solid

Analysis Batch: 114646

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 114639

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1027		mg/Kg		103	70 - 130
Toluene	0.100	0.08831		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.09374		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	0.200	0.1822		mg/Kg		91	70 - 130
o-Xylene	0.100	0.09211		mg/Kg		92	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: LCSD 880-114639/2-A

Matrix: Solid

Analysis Batch: 114646

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 114639

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1071		mg/Kg		107	70 - 130	4	35
Toluene	0.100	0.09198		mg/Kg		92	70 - 130	4	35
Ethylbenzene	0.100	0.09747		mg/Kg		97	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.1895		mg/Kg		95	70 - 130	4	35
o-Xylene	0.100	0.09564		mg/Kg		96	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 890-8492-A-1-H MS

Matrix: Solid

Analysis Batch: 114646

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 114639

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1036		mg/Kg		104	70 - 130
Toluene	<0.00200	U	0.100	0.08880		mg/Kg		89	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8491-1
SDG: 2749

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

Lab Sample ID: 890-8492-A-1-H MS

Matrix: Solid

Analysis Batch: 114646

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 114639

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.09438		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1836		mg/Kg		92	70 - 130
o-Xylene	<0.00200	U	0.100	0.09282		mg/Kg		93	70 - 130
Surrogate	MS %Recovery	MS Qualifier	MS Limits						
4-Bromofluorobenzene (Surr)	106		70 - 130						
1,4-Difluorobenzene (Surr)	104		70 - 130						

Lab Sample ID: 890-8492-A-1-I MSD

Matrix: Solid

Analysis Batch: 114646

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 114639

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.1008		mg/Kg		101	70 - 130	3	35
Toluene	<0.00200	U	0.100	0.08690		mg/Kg		87	70 - 130	2	35
Ethylbenzene	<0.00200	U	0.100	0.09249		mg/Kg		92	70 - 130	2	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1796		mg/Kg		90	70 - 130	2	35
o-Xylene	<0.00200	U	0.100	0.09066		mg/Kg		91	70 - 130	2	35
Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	104		70 - 130								
1,4-Difluorobenzene (Surr)	103		70 - 130								

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

Lab Sample ID: MB 880-114633/1-A

Matrix: Solid

Analysis Batch: 114680

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114633

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/25 08:10	07/22/25 03:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/25 08:10	07/22/25 03:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 08:10	07/22/25 03:17	1
Surrogate	MB %Recovery	MB Qualifier	MB Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	118		70 - 130				07/22/25 08:10	07/22/25 03:17	1
o-Terphenyl (Surr)	133	S1+	70 - 130				07/22/25 08:10	07/22/25 03:17	1

Lab Sample ID: LCS 880-114633/2-A

Matrix: Solid

Analysis Batch: 114680

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 114633

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	991.6		mg/Kg		99	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1194		mg/Kg		119	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8491-1
SDG: 2749

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

Lab Sample ID: LCS 880-114633/2-A
Matrix: Solid
Analysis Batch: 114680

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114633

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	131	S1+	70 - 130
o-Terphenyl (Surr)	135	S1+	70 - 130

Lab Sample ID: LCSD 880-114633/3-A
Matrix: Solid
Analysis Batch: 114680

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 114633

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1017		mg/Kg		102	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	1205		mg/Kg		121	70 - 130	1	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	136	S1+	70 - 130
o-Terphenyl (Surr)	140	S1+	70 - 130

Lab Sample ID: 890-8490-A-17-C MS
Matrix: Solid
Analysis Batch: 114680

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 114633

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	1000	527.5	F1	mg/Kg		53	70 - 130
Diesel Range Organics (Over C10-C28)	63.4	F1	1000	589.9	F1	mg/Kg		53	70 - 130

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

Lab Sample ID: 890-8490-A-17-D MSD
Matrix: Solid
Analysis Batch: 114680

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 114633

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	1000	529.0	F1	mg/Kg		53	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	63.4	F1	1000	584.1	F1	mg/Kg		52	70 - 130	1	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	124		70 - 130
o-Terphenyl (Surr)	121		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8491-1
SDG: 2749

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-114650/1-A
Matrix: Solid
Analysis Batch: 114676

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			07/22/25 12:49	1

Lab Sample ID: LCS 880-114650/2-A
Matrix: Solid
Analysis Batch: 114676

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	232.9		mg/Kg		93	90 - 110

Lab Sample ID: LCSD 880-114650/3-A
Matrix: Solid
Analysis Batch: 114676

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	227.3		mg/Kg		91	90 - 110	2	20

Lab Sample ID: 890-8490-A-11-D MS
Matrix: Solid
Analysis Batch: 114676

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	114		249	349.8		mg/Kg		95	90 - 110

Lab Sample ID: 890-8490-A-11-E MSD
Matrix: Solid
Analysis Batch: 114676

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	114		249	351.3		mg/Kg		95	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8491-1
SDG: 2749

GC VOA

Prep Batch: 114639

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8491-1	FRED BEARD BACKFILL	Total/NA	Solid	5035	
MB 880-114639/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-114639/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-114639/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8492-A-1-H MS	Matrix Spike	Total/NA	Solid	5035	
890-8492-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 114646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8491-1	FRED BEARD BACKFILL	Total/NA	Solid	8021B	114639
MB 880-114639/5-A	Method Blank	Total/NA	Solid	8021B	114639
LCS 880-114639/1-A	Lab Control Sample	Total/NA	Solid	8021B	114639
LCSD 880-114639/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	114639
890-8492-A-1-H MS	Matrix Spike	Total/NA	Solid	8021B	114639
890-8492-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	114639

Analysis Batch: 114745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8491-1	FRED BEARD BACKFILL	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 114633

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8491-1	FRED BEARD BACKFILL	Total/NA	Solid	8015NM Prep	
MB 880-114633/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-114633/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-114633/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8490-A-17-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-8490-A-17-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 114680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8491-1	FRED BEARD BACKFILL	Total/NA	Solid	8015B NM	114633
MB 880-114633/1-A	Method Blank	Total/NA	Solid	8015B NM	114633
LCS 880-114633/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	114633
LCSD 880-114633/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	114633
890-8490-A-17-C MS	Matrix Spike	Total/NA	Solid	8015B NM	114633
890-8490-A-17-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	114633

Analysis Batch: 114824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8491-1	FRED BEARD BACKFILL	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 114650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8491-1	FRED BEARD BACKFILL	Soluble	Solid	DI Leach	
MB 880-114650/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-114650/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-114650/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Carlsbad

QC Association Summary

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8491-1
SDG: 2749

HPLC/IC (Continued)

Leach Batch: 114650 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8490-A-11-D MS	Matrix Spike	Soluble	Solid	DI Leach	
890-8490-A-11-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 114676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8491-1	FRED BEARD BACKFILL	Soluble	Solid	300.0	114650
MB 880-114650/1-A	Method Blank	Soluble	Solid	300.0	114650
LCS 880-114650/2-A	Lab Control Sample	Soluble	Solid	300.0	114650
LCSD 880-114650/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	114650
890-8490-A-11-D MS	Matrix Spike	Soluble	Solid	300.0	114650
890-8490-A-11-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	114650

Lab Chronicle

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8491-1
SDG: 2749

Client Sample ID: FRED BEARD BACKFILL
Date Collected: 07/21/25 00:00
Date Received: 07/21/25 16:25

Lab Sample ID: 890-8491-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	114639	07/22/25 08:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114646	07/22/25 13:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114745	07/22/25 13:26	SA	EET MID
Total/NA	Analysis	8015 NM		1			114824	07/22/25 19:39	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	114633	07/22/25 08:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114680	07/22/25 19:39	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	114650	07/22/25 08:29	SI	EET MID
Soluble	Analysis	300.0		1			114676	07/22/25 16:38	SMC	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: Marquardt 12-13 (06.01.2025)

Job ID: 890-8491-1
SDG: 2749

Laboratory: Eurofins Midland

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

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

Method Summary

Client: Carmona Resources
Project/Site: Marquardt 12-13 (06.01.2025)

Job ID: 890-8491-1
SDG: 2749

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: Marquardt 12-13 (06.01.2025)

Job ID: 890-8491-1
SDG: 2749

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-8491-1	FRED BEARD BACKFILL	Solid	07/21/25 00:00	07/21/25 16:25

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

Chain of Custody

Work Order No: _____

Page 1 of 1

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

Page 1 of 1 Print			
Work Order Comments Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ Iperfund			
State of Project: Reporting: Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV			
Deliverables: EDD ☐ ADaPT ☐ Other:			

[illegible]

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Released to Imaging: 8/15/2025 3:20:26 PM

Comments:			
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			7/21/16

Eurofins Carlsbad

1089 N Canal St.

Carlsbad, NM 88220

Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record



Environment Testing

[illegible]

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-8491-1

SDG Number: 2749

Login Number: 8491

List Number: 1

Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-8491-1

SDG Number: 2749

Login Number: 8491

List Number: 2

Creator: Rios, Minerva

List Source: Eurofins Midland

List Creation: 07/22/25 08:21 AM

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

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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 489759

QUESTIONS

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 489759
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2515327422
Incident Name	NAPP2515327422 MARQUARDT 12-13 FEDERAL COM 11H @ 0
Incident Type	Produced Water Release
Incident Status	Deferral Request Received
Incident Facility	[fAPP2201726152] Marquardt 12-13 Federal Com 11H

Location of Release Source

Please answer all the questions in this group.

Site Name	Marquardt 12-13 Federal Com 11H
Date Release Discovered	06/01/2025
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.

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

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Dump Valve Produced Water Released: 100 BBL Recovered: 35 BBL Lost: 65 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	We had a reportable release at the Marquardt 12-13 Federal Com 11H due to a failure of a 2-inch carbon steel nipple located below the water dump on the separator. The fluid level reached the berm kill switch, which successfully shut in the well. Unfortunately, the pressure from the release created a hole in the lined containment, allowing fluid to escape beneath the containment and onto the well pad. This incident resulted in a total release of 60 barrels of produced water onto the lined containment and 40 barrels of produced water onto the well pad. A vacuum truck was able to recover 35 barrels of fluid. In the coming weeks, we will evaluate the affected soils and implement the necessary remediation measures.

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QUESTIONS, Page 2

Action 489759

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 489759
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

I hereby agree and sign off to the above statement	Name: Ashton Thielke Title: EHS Specialist Email: Ashton.Thielke@coterra.com Date: 07/29/2025
--	--

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QUESTIONS, Page 3

Action 489759

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 489759
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 500 and 1000 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Zero feet, overlying, or within area
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Between 500 and 1000 (ft.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	11400
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	467
GRO+DRO (EPA SW-846 Method 8015M)	467
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	07/14/2025
On what date will (or did) the final sampling or liner inspection occur	07/22/2025
On what date will (or was) the remediation complete(d)	07/22/2025
What is the estimated surface area (in square feet) that will be reclaimed	7504
What is the estimated volume (in cubic yards) that will be reclaimed	600
What is the estimated surface area (in square feet) that will be remediated	3904
What is the estimated volume (in cubic yards) that will be remediated	714
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 489759

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 489759
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [FEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Ashton Thielke Title: EHS Specialist Email: Ashton.Thielke@coterra.com Date: 07/29/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 489759

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 489759
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Deferral Requests Only	
<i>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.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	All remaining contamination is directly under the containment wall of the tank battery and removing the containment and equipment located inside would require a major facility deconstruction along with structure instability with removing insitu soil that directly supports the equipment located above. Excavating and backfilling that area may cause future releases by settling of material once backfilled overtime.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	3600
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	600
<i>Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.</i>	
Enter the facility ID (f#) on which this deferral should be granted	Marquardt 12-13 Federal Com 11H [fAPP2201726152]
Enter the well API (30-) on which this deferral should be granted	Not answered.
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Ashton Thielke Title: EHS Specialist Email: Ashton.Thielke@coterra.com Date: 07/29/2025

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QUESTIONS, Page 6

Action 489759

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 489759
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	486323
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/22/2025
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	No
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Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 489759

CONDITIONS

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 489759
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
nvez	Deferral is approved. Remediation Due date will be left open until the site has been plugged and abandoned or a major facility deconstruction takes place.	8/15/2025