

CARMONA RESOURCES



SITE INFORMATION

Closure Report
Riverbend 12-13 Federal Com 33H (02.02.2020)
Incident ID: nRM2003750457
Eddy County, New Mexico
Unit L Sec 01 T25S R28E
32.15622°, -104.04466°

Point of Release: Hose connected to blender failed
Release Date: 02/02/2020
Volume Released: 40 Barrels of Produced Water
Volume Recovered: 40 Barrels of Produced Water

CARMONA RESOURCES



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

Prepared by:
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310 West Wall Street
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310 West Wall Street, Suite 500
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December 16, 2024

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

Re: Closure Report
Riverbend 12-13 Federal Com 33H (02.02.2020)
Incident ID: nRM2003750457
Cimarex Energy Co.
Site Location: Unit L, S01, T25S, R28E
(Lat 32.15622°, Long -104.04466°)
Eddy County, New Mexico

Mr. Bratcher:

On behalf of Cimarex Energy Co. (Cimarex), Carmona Resources, LLC has prepared this letter to document site assessment and remediation activities for the Riverbend 12-13 Federal Com 33H release. The site is located at 32.15622°, -104.04466° within Unit L, S01, T25S, R25E, in Eddy County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on February 2, 2020, due to a hose connected to a water injection blender failing. It resulted in approximately forty (40) barrels of produced water to be released and approximately forty (40) barrels of produced water recovered. The spill boundaries are shown in Figure 3. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a 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 water source is approximately 1.32 miles East of the site in S06, T25S, R29E and was drilled in 1979. The well has a reported depth to groundwater of 40 feet below the ground surface (ft bgs). 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 29, 2023, Carmona Resources personnel performed site assessment activities to evaluate soil impacts stemming from the release. A total of five (5) trench samples (T-1 through T-5) and four (4) horizontal samples (H-1 through H-4) were installed to total depths ranging from surface to 10.0' bgs inside and surrounding the release area. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Labs in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and Chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

Vertical Delineation

Vertical delineation was achieved in the areas of T-1 through T-3 and T-5 for Benzene, total BTEX, TPH, and Chloride concentrations. Vertical delineation was not achieved in the area of T-4 due to a high concentration of TPH at 117 mg/kg at 4.0 ft bgs. Refer to Table 1.

Horizontal Delineation

Horizontal delineation was achieved in the areas of H-1 and H-4 for Benzene, total BTEX, TPH, and Chloride concentrations. Refer to Table 1. Horizontal delineation was not achieved in the areas of H-2 and H-3 due to high Chloride concentrations ranging from 641 to 3,370 mg/kg at surface to 5.0 ft bgs. The areas of SW-8 through SW-15 and SW-29 through SW-30 were used as a means of horizontal delineation during the remediation process and were below regulatory limits for Benzene, total BTEX, TPH, and Chloride concentrations. Refer to Table 2.

5.0 Remediation Activities

Between October 3, 2024 through October 21, 2024, 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 October 2, 2024, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The areas of T-1, T-2, and H-2 were excavated to a depth of 2.5' bgs. The area of T-3 was excavated to a depth of 3.5' bgs. The area of T-4 was excavated to a depth of 4.5' bgs. The areas of T-5 and H-3 were excavated to a depth of 8.5' bgs. A total of one hundred eighteen (118) confirmation floor samples were collected (CS-1 through CS-118), and thirty-three (33) sidewall samples (SW-1 through SW-33) were collected every 200 square feet to ensure the proper removal of the 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.

The area of CS-29 exceeded reclamation and regulatory requirements for chloride, and the areas of CS-57 through CS-61 exceeded regulatory requirements for TPH. Those areas were immediately excavated, removed, and retested.

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



Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 22,257 square feet of contamination was remediated, resulting in 4,752 cubic yards of material excavated and transported offsite for proper disposal. Backfill operations were completed on December 11, 2024. A composite sample of the backfill pit material provided by R-360 was collected for laboratory analysis on October 30, 2024, before being utilized. Laboratory data can be found in Table 2.

6.0 Conclusions

Based on the assessment and analytical data from the remediation, no further actions are required at the site. Cimarex formally requests the closure of the spill. If you have any questions regarding this report or need additional information, please contact us at 432-813-1992.

Sincerely,

Carmona Resources, LLC

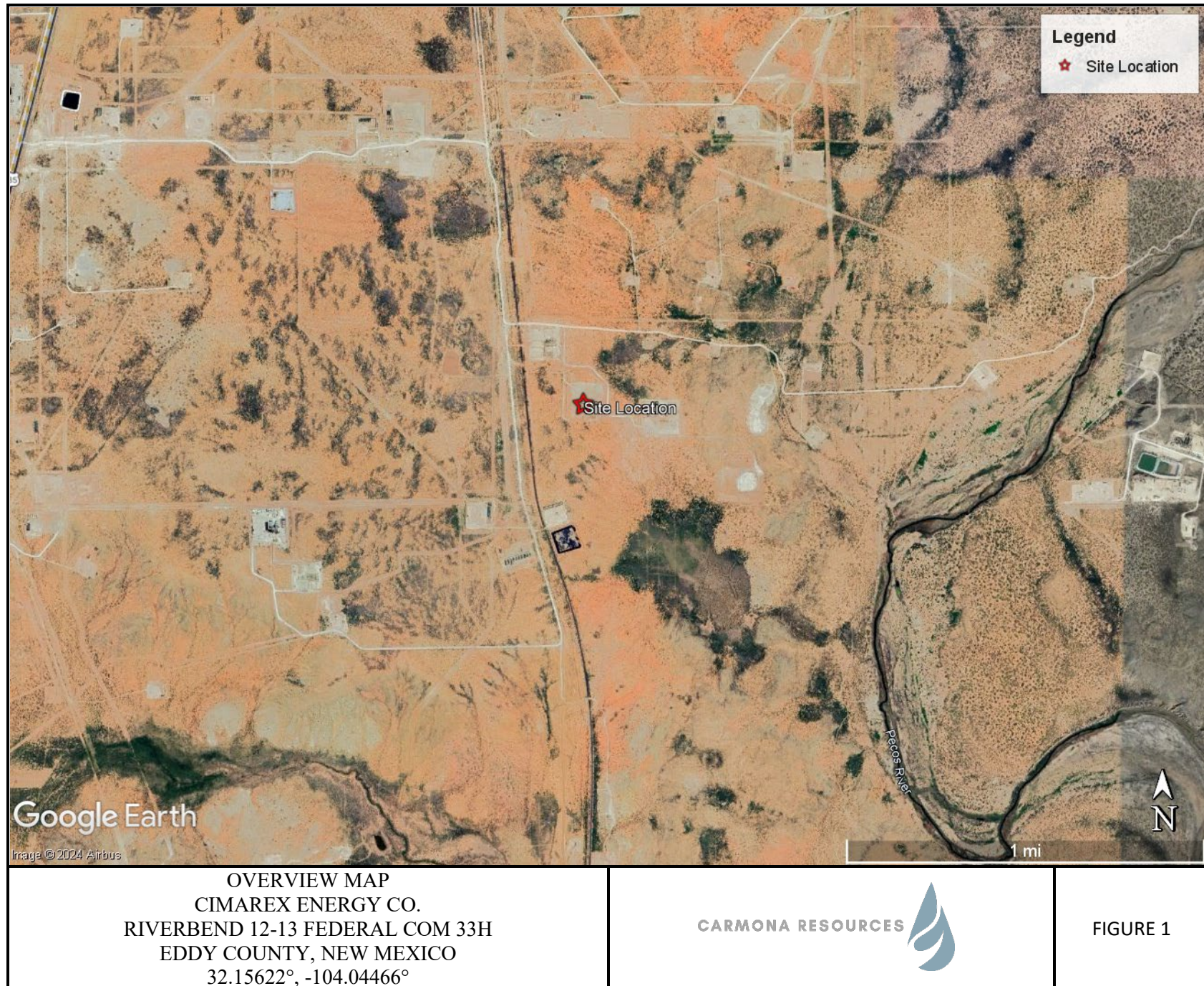
Ashton Thielke
Environmental Manager

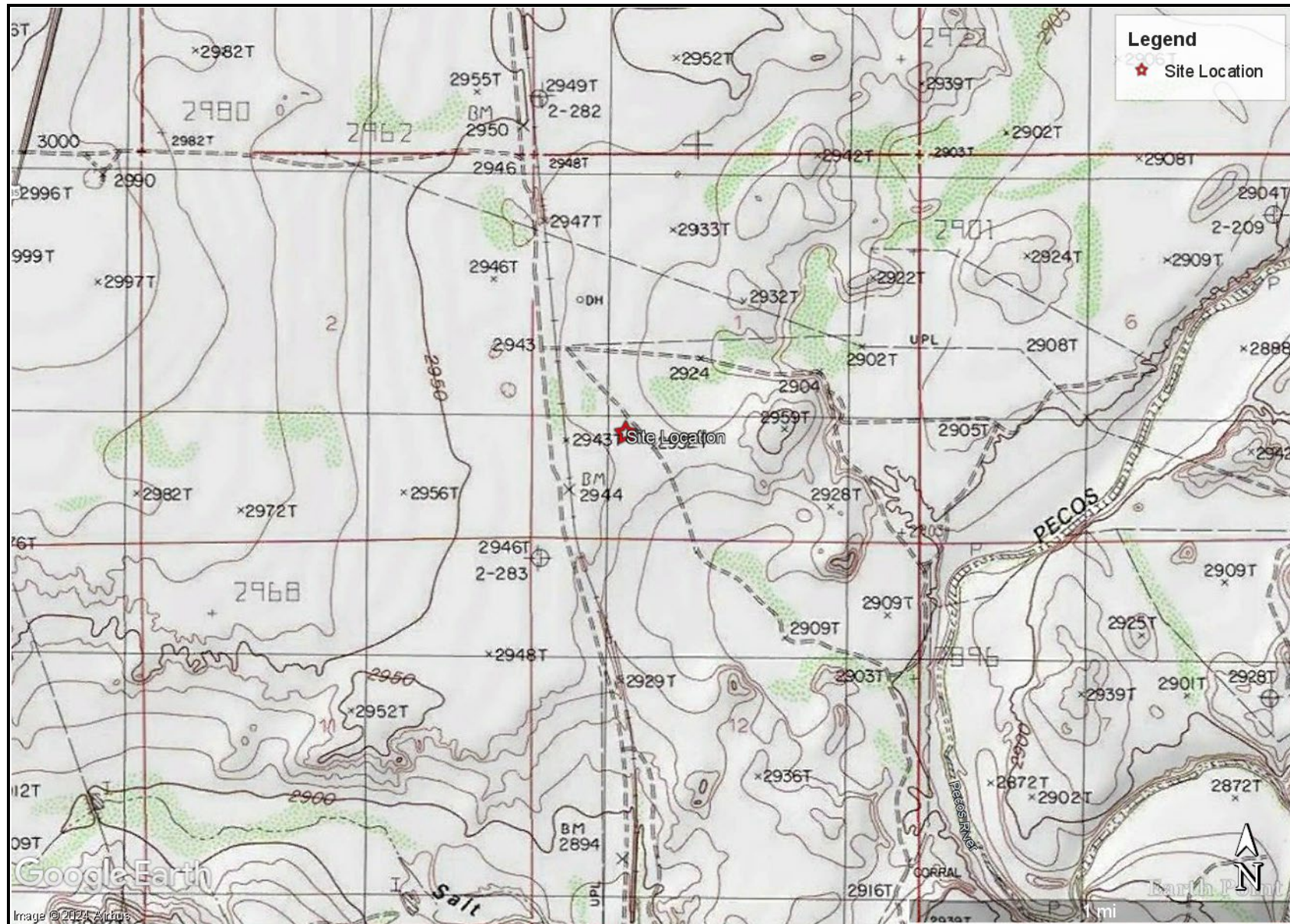
Gilbert Priego
Project Manager

FIGURES

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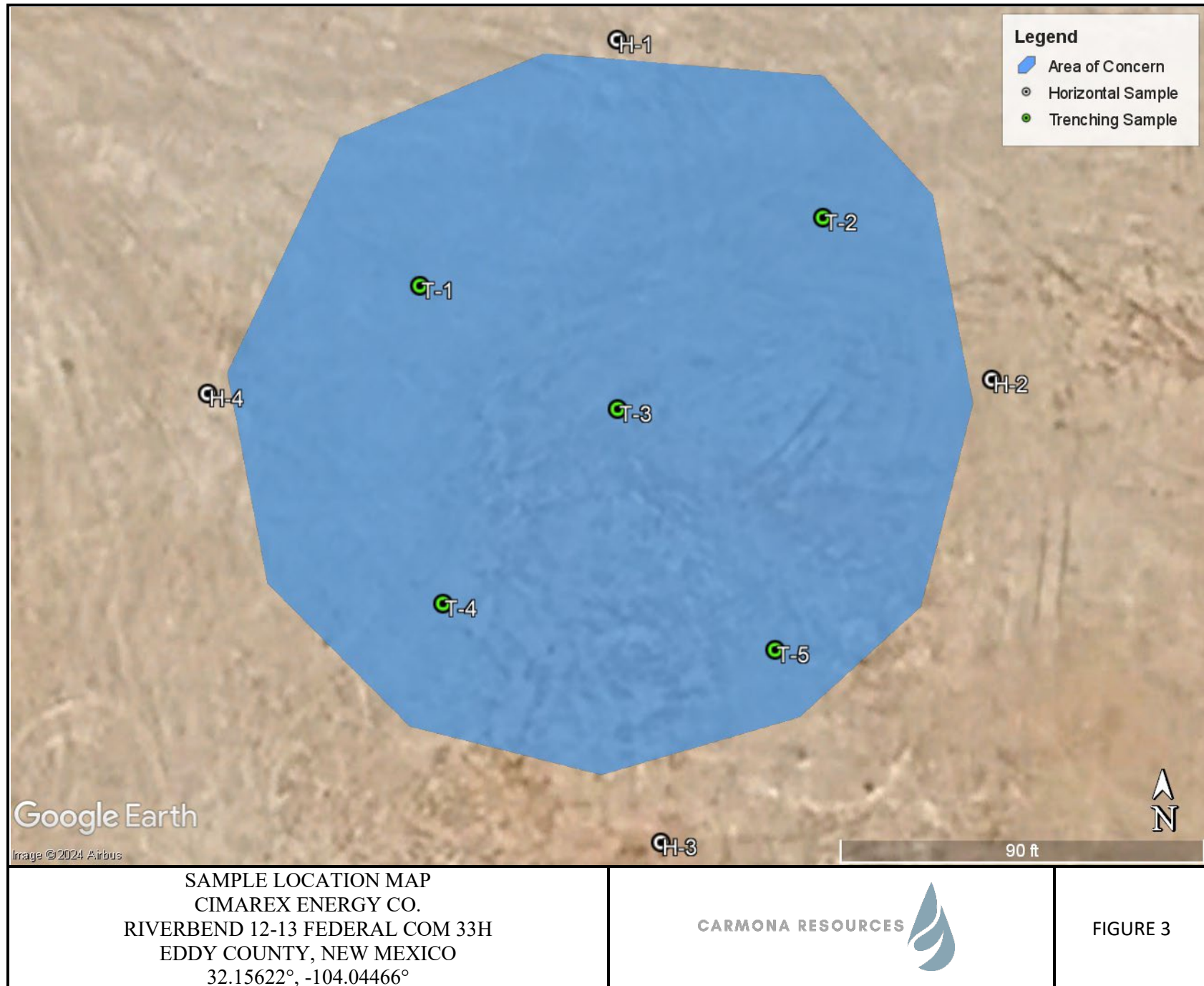


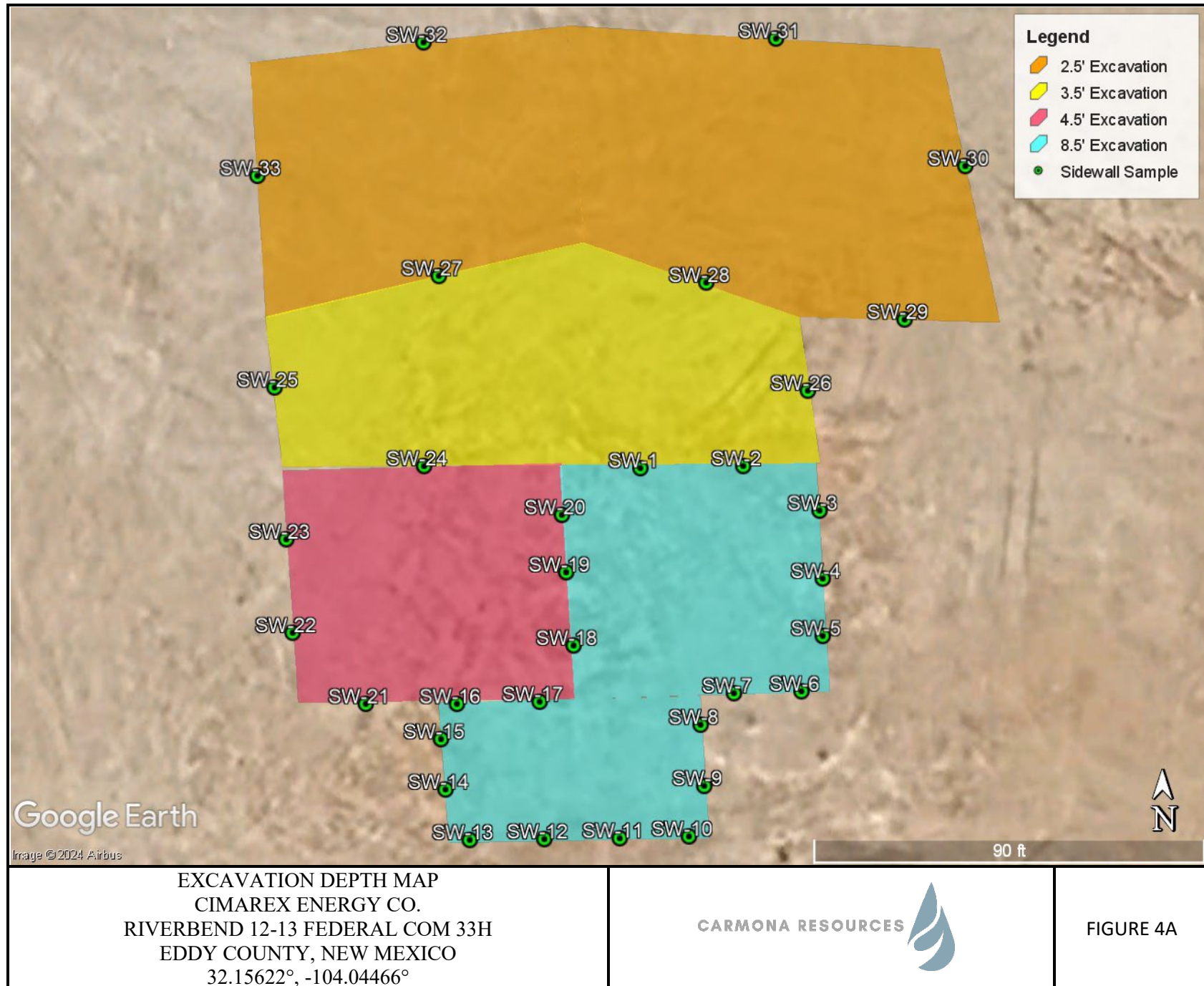
TOPOGRAPHIC MAP
 CIMAREX ENERGY CO.
 RIVERBEND 12-13 FEDERAL COM 33H
 EDDY COUNTY, NEW MEXICO
 32.15622°, -104.04466°

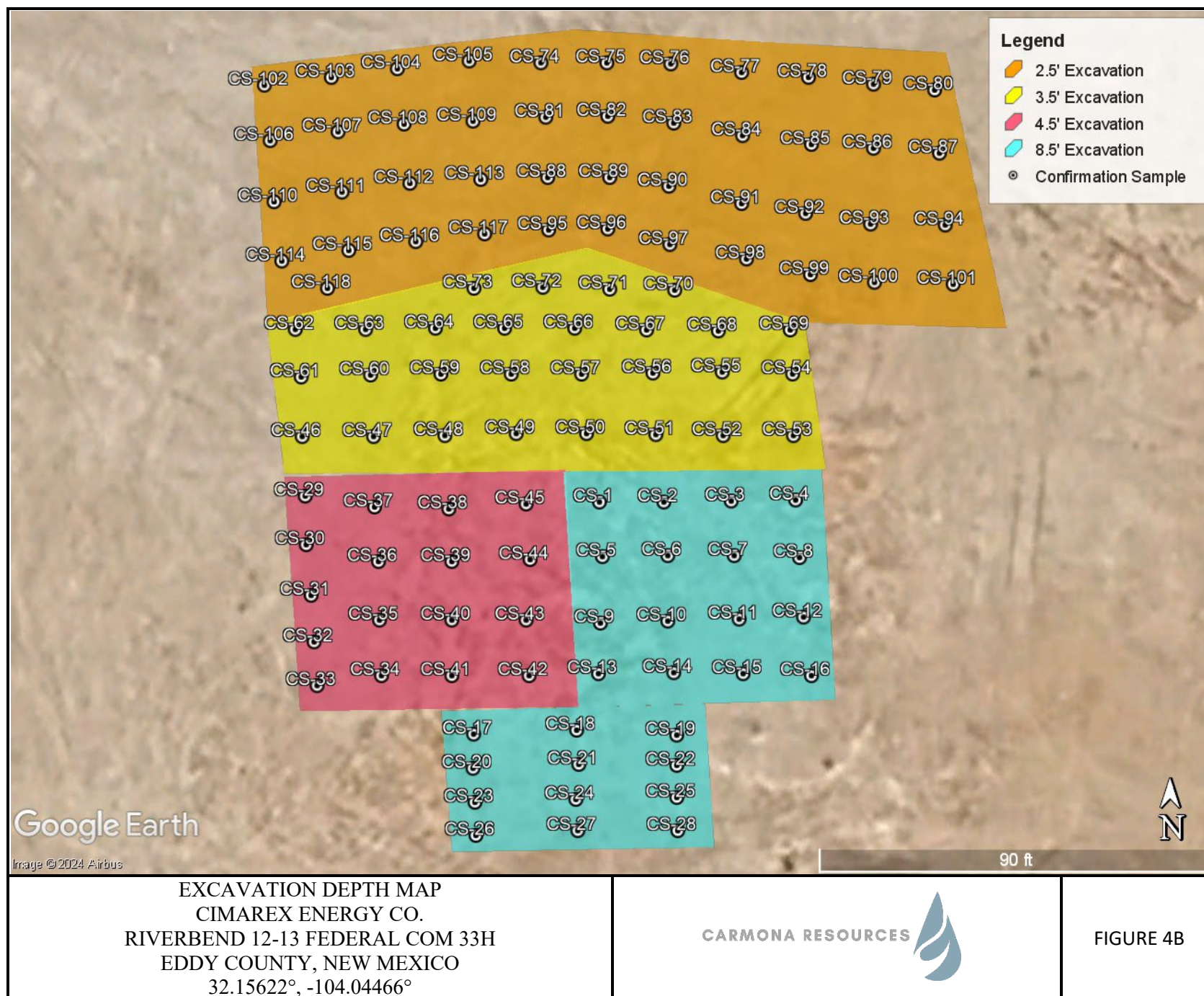
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FIGURE 2







APPENDIX A

CARMONA RESOURCES



Table 1
Cimarex Energy Co.
Riverbend 12-13 Federal Com 33H
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	6/29/2023	0-1.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	641
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	660
	"	2.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	216
	"	3.0	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	80.5
	"	4.0	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	132
T-2	6/29/2023	0-1.0	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	7,680
	"	1.5	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	3,050
	"	2.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	1,810
	"	3.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	135
	"	4.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	539
T-3	6/29/2023	0-1.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	4,200
	"	1.5	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	4,450
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	4,580
	"	3.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,510
	"	4.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	173
T-4	6/29/2023	0-1.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	3,250
	"	1.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	980
	"	2.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	1,860
	"	3.0	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	1,160
	"	4.0	<49.8	117	<49.8	117	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	95.7
T-5	6/29/2023	0-1.0	<49.9	165	<49.9	165	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	23,000
	"	1.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	9,260
	"	2.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	7,080
	"	3.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	7,380
	"	4.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	7,530
	"	5.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	6,460
	"	6.0	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	4,630
	"	7.0	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	1,510
	"	8.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	1,280
	"	9.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	540
	"	10.0	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	476
Regulatory Criteria ^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(T) Trench Sample

Removed

Table 1
Cimarex Energy Co.
Riverbend 12-13 Federal Com 33H
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						
H-1	6/29/2023	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	185
H-2	6/29/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	641
H-3	6/29/2023	0-1.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1,860
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,050
	"	2.0	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,920
	"	3.0	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	2,080
	"	4.0	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	2,030
	"	5.0	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	3,370
H-4	6/29/2023	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	372
Regulatory Criteria ^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(H) Horizontal Sample

 Removed

Table 2
Cimarex Energy Co.
Riverbend 12-13 Federal Com 33H
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	10/10/2024	8.5'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	28.2
CS-2	10/10/2024	8.5'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	28.9
CS-3	10/10/2024	8.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	36.3
CS-4	10/10/2024	8.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	31.0
CS-5	10/10/2024	8.5'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	37.2
CS-6	10/10/2024	8.5'	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	38.0
CS-7	10/10/2024	8.5'	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	38.4
CS-8	10/10/2024	8.5'	<49.6	<49.6	<49.6	<49.6	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	36.3
CS-9	10/10/2024	8.5'	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	36.9
CS-10	10/10/2024	8.5'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	30.2
CS-11	10/10/2024	8.5'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	13.0
CS-12	10/10/2024	8.5'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	31.3
CS-13	10/10/2024	8.5'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	34.5
CS-14	10/10/2024	8.5'	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	30.1
CS-15	10/10/2024	8.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	32.2
CS-16	10/10/2024	8.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	33.7
CS-17	10/10/2024	8.5'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	42.1
CS-18	10/10/2024	8.5'	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	25.0
CS-19	10/10/2024	8.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<10.1
CS-20	10/10/2024	8.5'	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	32.3
CS-21	10/10/2024	8.5'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	43.2
CS-22	10/10/2024	8.5'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<9.90
CS-23	10/10/2024	8.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	36.1
CS-24	10/10/2024	8.5'	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	36.7
CS-25	10/10/2024	8.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	33.6
Regulatory Criteria ^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(CS) Confirmation Sample

Table 2
Cimarex Energy Co.
Riverbend 12-13 Federal Com 33H
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-26	10/10/2024	8.5'	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	18.7
CS-27	10/10/2024	8.5'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	23.3
CS-28	10/10/2024	8.5'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	22.2
CS-29	10/16/2024	4.5'	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	614
	10/21/2024	4.75'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	104
CS-30	10/16/2024	4.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	556
CS-31	10/16/2024	4.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	501
CS-32	10/16/2024	4.5'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	510
CS-33	10/16/2024	4.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	269
CS-34	10/16/2024	4.5'	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	236
CS-35	10/16/2024	4.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	265
CS-36	10/16/2024	4.5'	<49.7	<49.7	<49.7	<49.7	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	218
CS-37	10/16/2024	4.5'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	237
CS-38	10/16/2024	4.5'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	129
CS-39	10/16/2024	4.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	102
CS-40	10/16/2024	4.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	103
CS-41	10/16/2024	4.5'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	92.0
CS-42	10/16/2024	4.5'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	171
CS-43	10/16/2024	4.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	163
CS-44	10/16/2024	4.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	143
CS-45	10/16/2024	4.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	143
CS-46	10/16/2024	3.5'	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	149
CS-47	10/16/2024	3.5'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	144
CS-48	10/16/2024	3.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	154
CS-49	10/16/2024	3.5'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	165
CS-50	10/16/2024	3.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	161
Regulatory Criteria ^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A - Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons
ft - feet

(CS) Confirmation Sample

 Removed

Table 2
Cimarex Energy Co.
Riverbend 12-13 Federal Com 33H
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-51	10/16/2024	3.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	176
CS-52	10/16/2024	3.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	164
CS-53	10/16/2024	3.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	167
CS-54	10/16/2024	3.5'	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	255
CS-55	10/16/2024	3.5'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	260
CS-56	10/16/2024	3.5'	<49.7	<49.7	<49.7	<49.7	<0.00198	0.00266	<0.00198	<0.00396	<0.00396	266
CS-57	10/16/2024	3.5'	<49.8	170	<49.8	170	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	278
	10/21/2024	3.75'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	93.5
CS-58	10/16/2024	3.5'	<49.9	350	<49.9	350	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	353
	10/21/2024	3.75'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	108
CS-59	10/16/2024	3.5'	<50.0	376	<50.0	376	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	345
	10/21/2024	3.75'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	108
CS-60	10/16/2024	3.5'	<49.8	230	<49.8	230	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	336
	10/21/2024	3.75'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	105
CS-61	10/16/2024	3.5'	<49.8	302	<49.8	302	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	246
	10/21/2024	3.75'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	98.5
CS-62	10/16/2024	3.5'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	240
CS-63	10/16/2024	3.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	247
CS-64	10/16/2024	3.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	248
CS-65	10/16/2024	3.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	267
CS-66	10/16/2024	3.5'	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	176
CS-67	10/16/2024	3.5'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	187
CS-68	10/16/2024	3.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	219
CS-69	10/16/2024	3.5'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	220
CS-70	10/16/2024	3.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	179
CS-71	10/16/2024	3.5'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	140
CS-72	10/16/2024	3.5'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	121
CS-73	10/16/2024	3.5'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	164
CS-74	10/18/2024	2.5'	<50.4	<50.4	<50.4	<50.4	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	117
CS-75	10/18/2024	2.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	83.8
Regulatory Criteria ^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(CS) Confirmation Sample

Removed

Table 2
Cimarex Energy Co.
Riverbend 12-13 Federal Com 33H
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-76	10/18/2024	2.5'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	39.5
CS-77	10/18/2024	2.5'	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	24.0
CS-78	10/18/2024	2.5'	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	18.5
CS-79	10/18/2024	2.5'	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<9.92
CS-80	10/18/2024	2.5'	<50.2	<50.2	<50.2	<50.2	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	18.1
CS-81	10/18/2024	2.5'	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<9.92
CS-82	10/18/2024	2.5'	<50.3	<50.3	<50.3	<50.3	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	26.6
CS-83	10/18/2024	2.5'	<50.5	<50.5	<50.5	<50.5	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	27.6
CS-84	10/18/2024	2.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	18.3
CS-85	10/18/2024	2.5'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<10.0
CS-86	10/18/2024	2.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	31.7
CS-87	10/18/2024	2.5'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	15.7
CS-88	10/18/2024	2.5'	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	60.9
CS-89	10/18/2024	2.5'	<50.3	<50.3	<50.3	<50.3	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	37.1
CS-90	10/18/2024	2.5'	<50.3	<50.3	<50.3	<50.3	<0.00167	<0.00167	<0.00167	<0.00334	<0.00334	<9.90
CS-91	10/18/2024	2.5'	<49.8	<49.8	<49.8	<49.8	<0.00181	<0.00181	<0.00181	<0.00363	<0.00363	26.8
CS-92	10/18/2024	2.5'	<49.7	<49.7	<49.7	<49.7	<0.00169	<0.00169	<0.00169	<0.00338	<0.00338	51.5
CS-93	10/18/2024	2.5'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	318
CS-94	10/18/2024	2.5'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	49.6
CS-95	10/18/2024	2.5'	<50.5	<50.5	<50.5	<50.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	41.7
CS-96	10/18/2024	2.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<9.92
CS-97	10/18/2024	2.5'	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	58.3
CS-98	10/18/2024	2.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	47.3
CS-99	10/18/2024	2.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<9.96
CS-100	10/18/2024	2.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<10.0
Regulatory Criteria ^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(CS) Confirmation Sample

Table 2
Cimarex Energy Co.
Riverbend 12-13 Federal Com 33H
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-101	10/18/2024	2.5'	<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<10.0
CS-102	10/18/2024	2.5'	<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	330
CS-103	10/18/2024	2.5'	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	297
CS-104	10/18/2024	2.5'	<50.5	<50.5	<50.5	<50.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	43.3
CS-105	10/18/2024	2.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	56.5
CS-106	10/18/2024	2.5'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	99.8
CS-107	10/18/2024	2.5'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	304
CS-108	10/18/2024	2.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	113
CS-109	10/18/2024	2.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	45.6
CS-110	10/18/2024	2.5'	<50.3	<50.3	<50.3	<50.3	<0.00167	<0.00167	<0.00167	<0.00334	<0.00334	305
CS-111	10/18/2024	2.5'	<50.1	<50.1	<50.1	<50.1	<0.00181	<0.00181	<0.00181	<0.00363	<0.00363	325
CS-112	10/18/2024	2.5'	<50.4	<50.4	<50.4	<50.4	<0.00169	<0.00169	<0.00169	<0.00338	<0.00338	79.8
CS-113	10/18/2024	2.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	325
CS-114	10/18/2024	2.5'	<50.5	<50.5	<50.5	<50.5	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	75.5
CS-115	10/18/2024	2.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	253
CS-116	10/18/2024	2.5'	<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	334
CS-117	10/18/2024	2.5'	<50.4	<50.4	<50.4	<50.4	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	62.1
CS-118	10/18/2024	2.5'	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	104
R360-Backfill	10/30/2024	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	111
Regulatory Criteria ^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(CS) Confirmation Sample

Table 2
Cimarex Energy Co.
Riverbend 12-13 Federal Com 33H
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	10/10/2024	3.5'-8.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	60.0
SW-2	10/10/2024	3.5'-8.5'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	36.7
SW-3	10/10/2024	4.5'-8.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	163
SW-4	10/10/2024	8.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	136
SW-5	10/10/2024	4.5'-8.5'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	42.3
SW-6	10/10/2024	8.5'	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	77.8
SW-7	10/10/2024	4.5'-8.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	101
SW-8	10/10/2024	8.5'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	180
SW-9	10/10/2024	4.5'-8.5'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	97.0
SW-10	10/10/2024	4.5'-8.5'	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	35.5
SW-11	10/10/2024	8.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	63.5
SW-12	10/10/2024	8.5'	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	42.8
SW-13	10/10/2024	8.5'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	124
SW-14	10/10/2024	8.5'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	115
SW-15	10/10/2024	8.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	117
SW-16	10/10/2024	8.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	168
SW-17	10/10/2024	8.5'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	144
Regulatory Criteria ^A						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(SW) Sidewall Sample

Table 2
Cimarex Energy Co.
Riverbend 12-13 Federal Com 33H
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-18	10/10/2024	8.5'	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	151
SW-19	10/10/2024	8.5'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	157
SW-20	10/10/2024	8.5'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	80.5
SW-21	10/16/2024	4.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	164
SW-22	10/16/2024	4.5'	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	142
SW-23	10/16/2024	4.5'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	204
SW-24	10/16/2024	4.5'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	200
SW-25	10/16/2024	3.5'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	206
SW-26	10/16/2024	3.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	204
SW-27	10/16/2024	3.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	202
SW-28	10/16/2024	3.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	201
SW-29	10/18/2024	2.5'	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	21.9
SW-30	10/18/2024	2.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	20.1
SW-31	10/18/2024	2.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	0.00223	<0.00200	<0.00399	<0.00399	34.4
SW-32	10/18/2024	2.5'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	250
SW-33	10/18/2024	2.5'	<49.8	<49.8	<49.8	<49.8	<0.00200	0.00334	<0.00200	<0.00401	<0.00401	181
Regulatory Criteria ^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(SW) Sidewall Sample

APPENDIX B

CARMONA RESOURCES



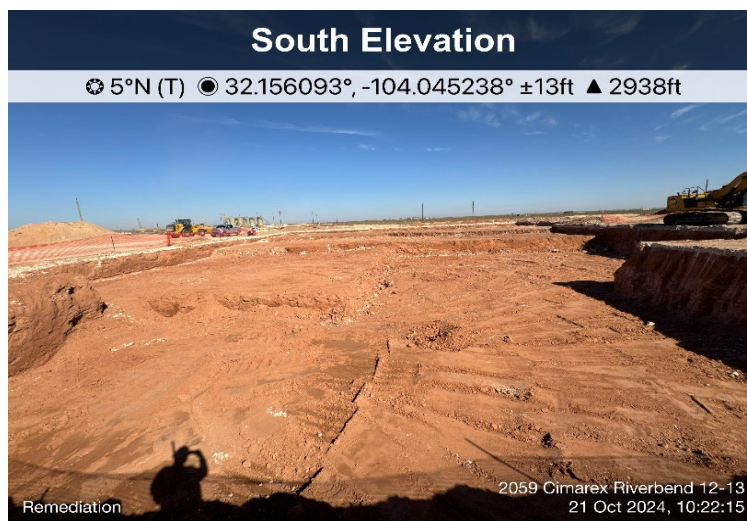
PHOTOGRAPHIC LOG**Cimarex Energy Co.****Photograph No. 1**

Facility: Riverbend 12-13 Federal Com 33H
(02.02.2020)

County: Eddy County, New Mexico

Description:

View North, area of CS-1 and CS-45.

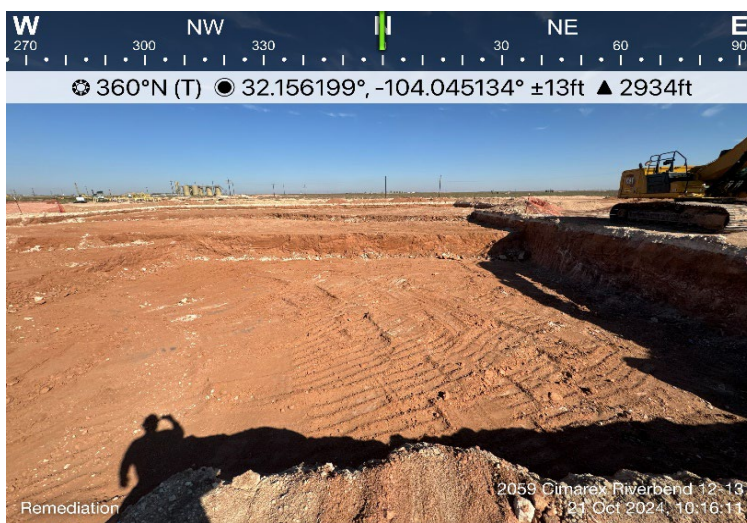
**Photograph No. 2**

Facility: Riverbend 12-13 Federal Com 33H
(02.02.2020)

County: Eddy County, New Mexico

Description:

View North, area of CS-1 through CS-16.

**Photograph No. 3**

Facility: Riverbend 12-13 Federal Com 33H
(02.02.2020)

County: Eddy County, New Mexico

Description:

View West, area of CS-17 through CS-28.



PHOTOGRAPHIC LOG

Cimarex Energy Co.

Photograph No. 4

Facility: Riverbend 12-13 Federal Com 33H
(02.02.2020)

County: Eddy County, New Mexico

Description:

View East, area of CS-29 through CS-45.



Photograph No. 5

Facility: Riverbend 12-13 Federal Com 33H
(02.02.2020)

County: Eddy County, New Mexico

Description:

View West, area of CS-46 through CS-73.



Photograph No. 6

Facility: Riverbend 12-13 Federal Com 33H
(02.02.2020)

County: Eddy County, New Mexico

Description:

View East, area of CS-29 through CS-73.



PHOTOGRAPHIC LOG

Cimarex Energy Co.

Photograph No. 7

Facility: Riverbend 12-13 Federal Com 33H
(02.02.2020)

County: Eddy County, New Mexico

Description:

View West, area of CS-74 through CS-101.



Photograph No. 8

Facility: Riverbend 12-13 Federal Com 33H
(02.02.2020)

County: Eddy County, New Mexico

Description:

View South, area of CS-102 through CS-118.



Photograph No. 9

Facility: Riverbend 12-13 Federal Com 33H
(02.02.2020)

County: Eddy County, New Mexico

Description:

View East, area of CS-74 through CS-118.



PHOTOGRAPHIC LOG

Cimarex Energy Co.

Photograph No. 10

Facility: Riverbend 12-13 Federal Com 33H
(02.02.2020)

County: Eddy County, New Mexico

Description:

View South, area of backfill.



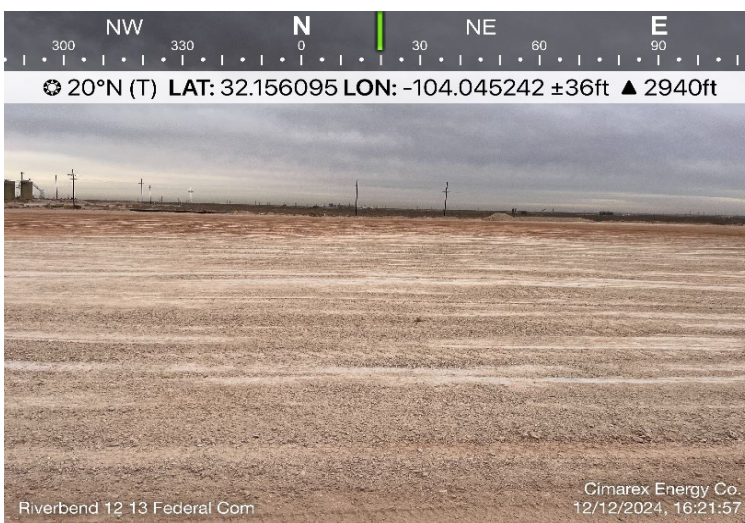
Photograph No. 11

Facility: Riverbend 12-13 Federal Com 33H
(02.02.2020)

County: Eddy County, New Mexico

Description:

View North, area of backfill.



Photograph No. 12

Facility: Riverbend 12-13 Federal Com 33H
(02.02.2020)

County: Eddy County, New Mexico

Description:

View East, area of backfill.



APPENDIX C

CARMONA RESOURCES



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

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

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	NRM2003750457
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Cimarex Energy Co.	OGRID: 215099
Contact Name: Gloria Garza	Contact Telephone: 432.571.7800
Contact email: ggarza@cimarex.com	Incident # (assigned by OCD)
Contact mailing address: 600 N Marienfeld Suite 600 Midland TX 79701	

Location of Release Source

Latitude 32.15622 _____ Longitude -104.04466 _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Riverbend 12 13 Federal Com 33H	Site Type: Well pad
Date Release Discovered: 2/2/2020	API# (if applicable): 30-015-45974

Unit Letter	Section	Township	Range	County
L	1	25S	28E	Eddy

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 40 bbls	Volume Recovered (bbls) 40 bbl
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: The cause of the release was due to material failure. A hose connected to the blender that prepares water for injection into the well bore failed. The hose was replaced with a new one and we were able to recover all free fluids released along with standing rain water on the location pad. The spill was contained to the blender and frac pump area - 45' X 60' and 87'X3'.

Page 29 of 489
Form C-141
Page 2
Received by OCD: 12/16/2024 8:24:02 AM
Released to Imaging: 12/17/2024 2:59:34 PM

State of New Mexico
Oil Conservation Division

Incident ID	NRM2003750457
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? The amount of fluid released was more than 25 barrels.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

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.	
☒ The impacted area has been secured to protect human health and the environment.	
☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
☒ All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. 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 attach all information needed for closure evaluation.	
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.	
Printed Name: Gloria Garza	Title: ESH Specialist
Signature: <u>gloria garza</u>	Date: 2/3/2020
email: ggarza@cimarex.com	Telephone: 432.571.7800
<u>OCD Only</u>	
Received by: <u>Ramona Marcus</u>	Date: <u>2/6/2020</u>

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 389404

QUESTIONS

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 389404
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nRM2003750457
Incident Name	NRM2003750457 RIVERBEND 12 13 FEDERAL COM 33H @ 30-015-45974
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-45974] RIVERBEND 12 13 FEDERAL COM #033H

Location of Release Source	
Site Name	RIVERBEND 12 13 FEDERAL COM 33H
Date Release Discovered	02/02/2020
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	25,180
What is the estimated number of samples that will be gathered	150
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/07/2024
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	(32.15622,-104.04466) - Carmona Resources will be onsite from 10/07/2024 to 10/31/2024 to oversee remediation and collect composite confirmation samples. Estimated ~4,000 cubic yards to be removed from this site and disposed of properly.

District I
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Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico

Energy, Minerals and Natural Resources

Oil Conservation Division

1220 S. St Francis Dr.

Santa Fe, NM 87505

CONDITIONS

Action 389404

CONDITIONS

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 389404
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
lluig	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.	10/2/2024

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: Each of the following items must be included in the closure report.

- ☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☐ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

APPENDIX D

CARMONA RESOURCES



Nearest water well

Cimarex Energy Co.

Legend

- 0.50 Mile Radius
- 1.32 Miles
- 1.50 Miles
- 1.68 Miles
- NMSEO Water Well
- Riverbend 12-13 Federal Com 33H
- USGS Water Well

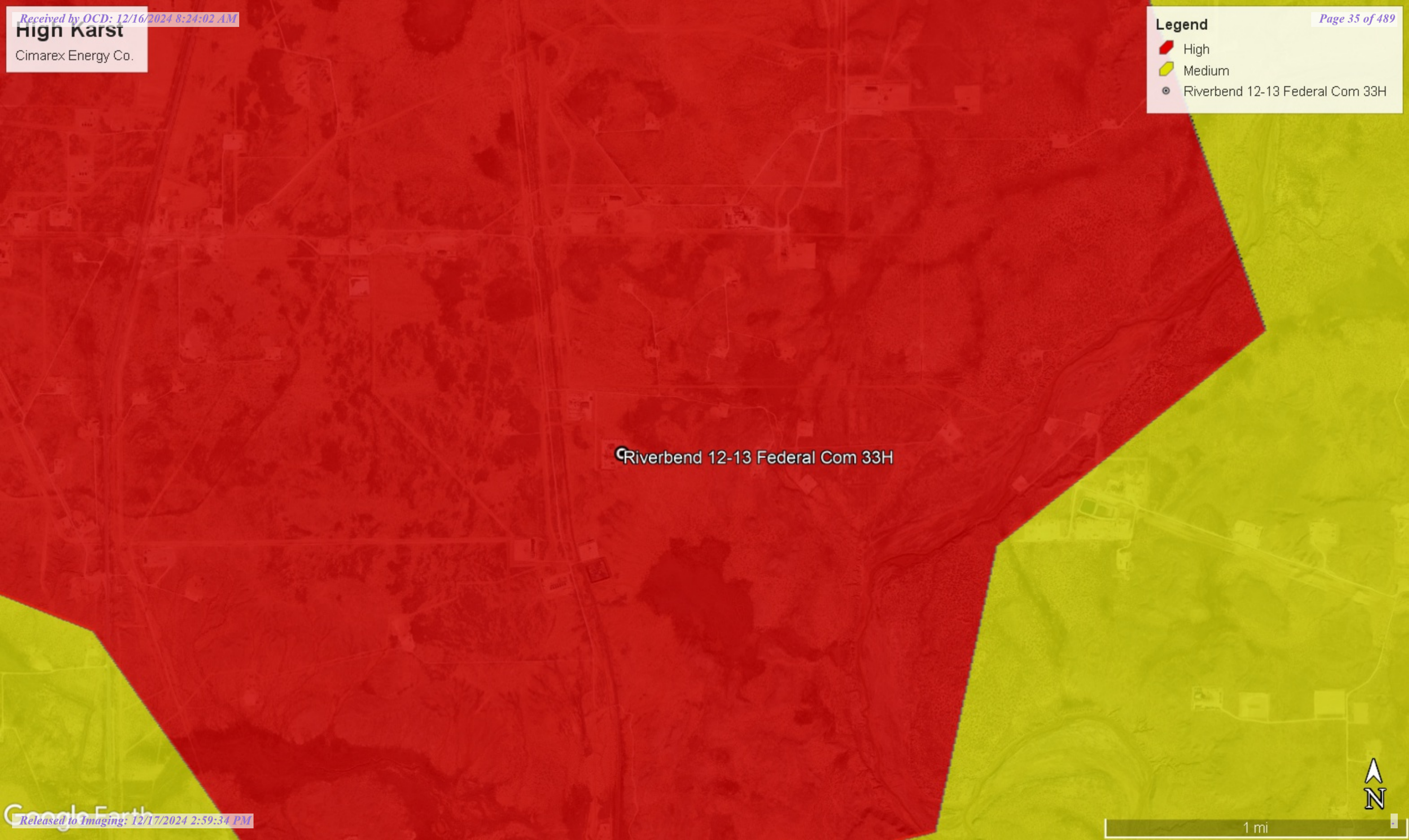


High Karst

Cimarex Energy Co.

Legend

- High
- Medium
- Riverbend 12-13 Federal Com 33H



Riverbend 12-13 Federal Com 33H





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 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 01880	C		ED	3	3	2	06	25S	29E	592161	3558605*	2125	85	40	45
C 04715 POD1	CUB		ED	3	4	4	34	24S	28E	587786	3559440	2635	40		
C 04493 POD1	CUB		ED	4	4	4	06	25S	29E	592760	3557765	2702	57	39	18
C 01411 POD2	C		ED	4	2	4	04	25S	28E	586374	3558036	3712	90	50	40
C 01411	R	C	ED	4	4	2	04	25S	28E	586289	3558522*	3814	69	35	34
C 00857	CUB		ED	3	1	4	30	24S	29E	592135	3561440*	3875	306		

Average Depth to Water: 41 feet

Minimum Depth: 35 feet

Maximum Depth: 50 feet

Record Count: 6

UTMNAD83 Radius Search (in meters):

Easting (X): 590085

Northing (Y): 3558151

Radius: 4000



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	01880	3	3	2	06	25S	29E	592161	3558605*		
x											
Driller License:		46		Driller Company:			ABBOTT BROTHERS COMPANY				
Driller Name:		MURRELL ABBOTT									
Drill Start Date:		10/29/1979		Drill Finish Date:			10/30/1979		Plug Date:		
Log File Date:		11/05/1979		PCW Rcv Date:					Source:		Shallow
Pump Type:					Pipe Discharge Size:					Estimated Yield:	
Casing Size:		7.00		Depth Well:			85 feet		Depth Water:		40 feet
x											
Water Bearing Stratifications:					Top	Bottom	Description				
					40	85	Sandstone/Gravel/Conglomerate				
x											
Casing Perforations:					Top	Bottom					
					40	60					
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/TSC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

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

?
S

GroundwaterNew MexicoGO

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.
- [Full News](#) 

Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 320956104040101

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

USGS 320956104040101 25S.28E.03.22231

Eddy County, New Mexico
Latitude 32°09'56.2", Longitude 104°04'04.1" NAD83
Land-surface elevation 2,990.20 feet above NGVD29
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) 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 measur
1948-12-06		D	62610		2957.93	NGVD29	1		Z	
1948-12-06		D	62611		2959.50	NAVD88	1		Z	
1948-12-06		D	72019	32.27			1		Z	
1978-01-03		D	62610		2957.23	NGVD29	1		Z	
1978-01-03		D	62611		2958.80	NAVD88	1		Z	
1978-01-03		D	72019	32.97			1		Z	
1983-02-01		D	62610		2964.33	NGVD29	1		Z	
1983-02-01		D	62611		2965.90	NAVD88	1		Z	
1983-02-01		D	72019	25.87			1		Z	
1987-10-14		D	62610		2960.93	NGVD29	1		Z	
1987-10-14		D	62611		2962.50	NAVD88	1		Z	
1987-10-14		D	72019	29.27			1		Z	
1988-03-22		D	62610		2960.27	NGVD29	1		Z	
1988-03-22		D	62611		2961.84	NAVD88	1		Z	
1988-03-22		D	72019	29.93			1		Z	

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	
1992-11-04	D	62610	2955.17	NGVD29	1	S	
1992-11-04	D	62611	2956.74	NAVD88	1	S	
1992-11-04	D	72019	35.03		1	S	
1998-01-23	D	62610	2956.36	NGVD29	1	S	
1998-01-23	D	62611	2957.93	NAVD88	1	S	
1998-01-23	D	72019	33.84		1	S	
2003-01-27	D	62610	2958.12	NGVD29	1	S	USGS
2003-01-27	D	62611	2959.69	NAVD88	1	S	USGS
2003-01-27	D	72019	32.08		1	S	USGS
2013-01-10 21:20 UTC	m	62610	2956.64	NGVD29	1	S	USGS
2013-01-10 21:20 UTC	m	62611	2958.21	NAVD88	1	S	USGS
2013-01-10 21:20 UTC	m	72019	33.56		1	S	USGS
2018-02-14 16:56 UTC	m	62610	2951.08	NGVD29	1	V	USGS
2018-02-14 16:56 UTC	m	62611	2952.65	NAVD88	1	V	USGS
2018-02-14 16:56 UTC	m	72019	39.12		1	V	USGS
2021-02-24 19:00 UTC	m	62610	2947.41	NGVD29	1	S	USGS
2021-02-24 19:00 UTC	m	62611	2948.98	NAVD88	1	S	USGS
2021-02-24 19:00 UTC	m	72019	42.79		1	S	USGS
2022-01-13 18:36 UTC	m	62610	2948.08	NGVD29	1	V	USGS
2022-01-13 18:36 UTC	m	62611	2949.65	NAVD88	1	V	USGS
2022-01-13 18:36 UTC	m	72019	42.12		1	V	USGS
2023-02-14 17:44 UTC	m	62610	2944.69	NGVD29	1	S	USGS
2023-02-14 17:44 UTC	m	62611	2946.26	NAVD88	1	S	USGS
2023-02-14 17:44 UTC	m	72019	45.51		1	S	USGS

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

[Questions or Comments](#)
[Automated retrievals](#)
[Help](#)
[Data Tips](#)
[Explanation of terms](#)

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	? S

Page Contact Information: [New Mexico Water Data Maintainer](#)
Page Last Modified: 2023-06-14 14:40:19 EDT
0.34 0.29 nadww01



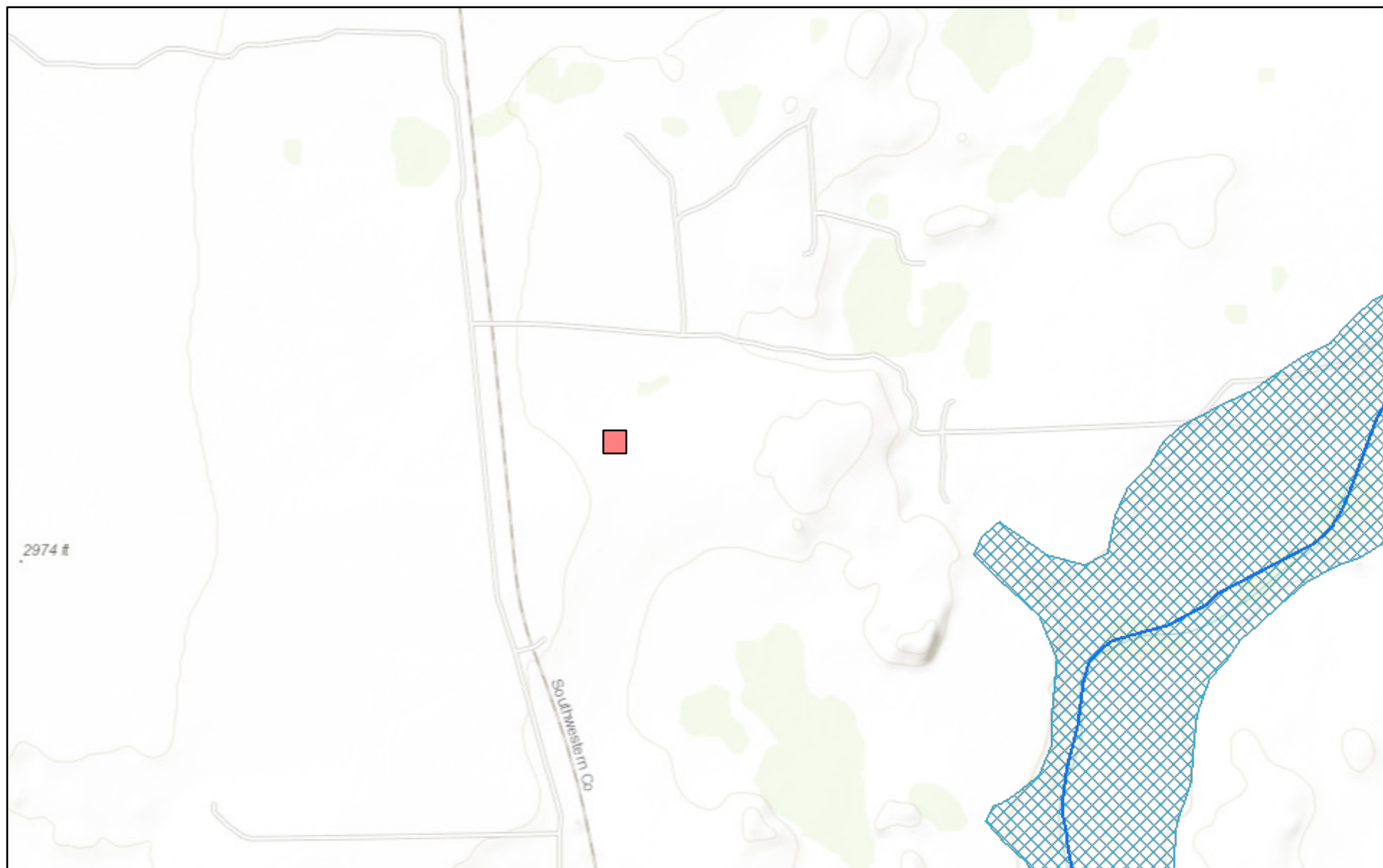
New Mexico Office of the State Engineer

Point of Diversion Summary

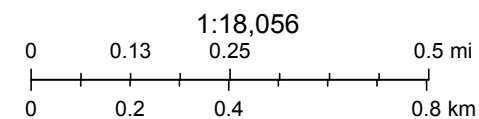
		(quarters are 1=NW 2=NE 3=SW 4=SE)						(quarters are smallest to largest)		(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y		
NA	C 04493 POD1	4	4	4	06	25S	29E	592760	3557765		
x											
Driller License:		1249		Driller Company:		ATKINS ENGINEERING ASSOC. INC.					
Driller Name:		JACKIE D ATKINS									
Drill Start Date:		11/18/2020			Drill Finish Date:			11/18/2020		Plug Date:	
										11/23/2020	
Log File Date:		12/17/2020			PCW Rcv Date:					Source:	
										Shallow	
Pump Type:					Pipe Discharge Size:					Estimated Yield:	
										0 GPM	
Casing Size:					Depth Well:			57 feet		Depth Water:	
										39 feet	
x											
Water Bearing Stratifications:				Top	Bottom	Description					
				29	57	Sandstone/Gravel/Conglomerate					
x											

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.

New Mexico NFHL Data



June 14, 2023



FEMA, Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey,

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APPENDIX E

CARMONA RESOURCES





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/7/2023 3:12:00 PM

JOB DESCRIPTION

Riverbend 12-13 Federal Com 33H
SDG NUMBER Eddy County NM

JOB NUMBER

880-30287-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



Generated
7/7/2023 3:12:00 PM

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

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Laboratory Job ID: 880-30287-1
SDG: Eddy County NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
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.

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
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.
α	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/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

Job ID: 880-30287-1

Laboratory: Eurofins Midland

Narrative

**Job Narrative
880-30287-1**

Receipt

The samples were received on 7/3/2023 9:04 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.0°C

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: T-5 (0-1') (880-30287-21). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-56908 and analytical batch 880-56823 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (CCV 880-56821/64) and (CCV 880-56821/82). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-1 (0-1') (880-30287-1), T-1 (1.5') (880-30287-2), T-1 (2') (880-30287-3), T-1 (3') (880-30287-4), T-1 (4') (880-30287-5), T-2 (0-1') (880-30287-6), T-2 (1.5') (880-30287-7), T-2 (2') (880-30287-8), T-2 (3') (880-30287-9), T-2 (3') (880-30287-10), T-3 (0-1') (880-30287-11), T-3 (1.5') (880-30287-12), T-3 (2') (880-30287-13), T-3 (3') (880-30287-14), T-3 (4') (880-30287-15), T-4 (0-1') (880-30287-16), T-4 (1.5') (880-30287-17), T-4 (2') (880-30287-18), T-4 (3') (880-30287-19), T-4 (4') (880-30287-20), (880-30287-A-1-A MS) and (880-30287-A-1-B MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-56816/31) and (LCS 880-56914/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-56914 and analytical batch 880-56816 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: T-2 (0-1') (880-30287-6), T-3 (0-1') (880-30287-11) and T-3 (2') (880-30287-13). 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 880-56947 and analytical batch 880-56955 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-56949/2-A). 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

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-57021 and analytical batch 880-57074 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Case Narrative

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

Job ID: 880-30287-1 (Continued)

Laboratory: Eurofins Midland (Continued)

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

Client Sample ID: T-1 (0-1')

Lab Sample ID: 880-30287-1

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/03/23 10:48	07/04/23 16:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/03/23 10:48	07/04/23 16:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/03/23 10:48	07/04/23 16:18	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/03/23 10:48	07/04/23 16:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/03/23 10:48	07/04/23 16:18	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/03/23 10:48	07/04/23 16:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130	07/03/23 10:48	07/04/23 16:18	1
1,4-Difluorobenzene (Surr)	76		70 - 130	07/03/23 10:48	07/04/23 16:18	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			07/05/23 12:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/05/23 15:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/03/23 13:34	07/04/23 01:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/03/23 13:34	07/04/23 01:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/03/23 13:34	07/04/23 01:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	07/03/23 13:34	07/04/23 01:36	1
o-Terphenyl	117		70 - 130	07/03/23 13:34	07/04/23 01:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	641		50.5		mg/Kg			07/06/23 21:49	10

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-30287-2

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/03/23 10:48	07/04/23 16:44	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/03/23 10:48	07/04/23 16:44	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/03/23 10:48	07/04/23 16:44	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/03/23 10:48	07/04/23 16:44	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/03/23 10:48	07/04/23 16:44	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/03/23 10:48	07/04/23 16:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130	07/03/23 10:48	07/04/23 16:44	1
1,4-Difluorobenzene (Surr)	72		70 - 130	07/03/23 10:48	07/04/23 16:44	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-30287-2

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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			07/05/23 12:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/05/23 15:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/03/23 13:34	07/04/23 10:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/03/23 13:34	07/04/23 10:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/03/23 13:34	07/04/23 10:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				07/03/23 13:34	07/04/23 10:31	1
o-Terphenyl	108		70 - 130				07/03/23 13:34	07/04/23 10:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	660		49.7		mg/Kg			07/06/23 21:54	10

Client Sample ID: T-1 (2')

Lab Sample ID: 880-30287-3

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/03/23 10:48	07/04/23 17:11	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/03/23 10:48	07/04/23 17:11	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/03/23 10:48	07/04/23 17:11	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		07/03/23 10:48	07/04/23 17:11	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/03/23 10:48	07/04/23 17:11	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		07/03/23 10:48	07/04/23 17:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	172	S1+	70 - 130				07/03/23 10:48	07/04/23 17:11	1
1,4-Difluorobenzene (Surr)	100		70 - 130				07/03/23 10:48	07/04/23 17:11	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			07/05/23 12:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/06/23 10:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/05/23 08:44	07/05/23 13:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/05/23 08:44	07/05/23 13:50	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

Client Sample ID: T-1 (2')

Lab Sample ID: 880-30287-3

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/05/23 08:44	07/05/23 13:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130				07/05/23 08:44	07/05/23 13:50	1
o-Terphenyl	103		70 - 130				07/05/23 08:44	07/05/23 13:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	216		5.00		mg/Kg			07/06/23 22:11	1

Client Sample ID: T-1 (3')

Lab Sample ID: 880-30287-4

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/03/23 10:48	07/04/23 17:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/03/23 10:48	07/04/23 17:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/03/23 10:48	07/04/23 17:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/03/23 10:48	07/04/23 17:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/03/23 10:48	07/04/23 17:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/03/23 10:48	07/04/23 17:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130				07/03/23 10:48	07/04/23 17:38	1
1,4-Difluorobenzene (Surr)	70		70 - 130				07/03/23 10:48	07/04/23 17:38	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			07/05/23 12:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/06/23 10:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/05/23 08:44	07/05/23 15:05	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/05/23 08:44	07/05/23 15:05	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/05/23 08:44	07/05/23 15:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				07/05/23 08:44	07/05/23 15:05	1
o-Terphenyl	102		70 - 130				07/05/23 08:44	07/05/23 15:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	80.5		5.00		mg/Kg			07/06/23 22:16	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

Client Sample ID: T-1 (4')

Lab Sample ID: 880-30287-5

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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		07/03/23 10:48	07/04/23 18:05	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/03/23 10:48	07/04/23 18:05	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/03/23 10:48	07/04/23 18:05	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		07/03/23 10:48	07/04/23 18:05	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/03/23 10:48	07/04/23 18:05	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		07/03/23 10:48	07/04/23 18:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	143	S1+	70 - 130	07/03/23 10:48	07/04/23 18:05	1
1,4-Difluorobenzene (Surr)	77		70 - 130	07/03/23 10:48	07/04/23 18:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			07/05/23 12:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/06/23 10:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/05/23 08:44	07/05/23 15:29	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/05/23 08:44	07/05/23 15:29	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/05/23 08:44	07/05/23 15:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	07/05/23 08:44	07/05/23 15:29	1
o-Terphenyl	89		70 - 130	07/05/23 08:44	07/05/23 15:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	132		4.98		mg/Kg			07/06/23 22:33	1

Client Sample ID: T-2 (0-1')

Lab Sample ID: 880-30287-6

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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		07/03/23 10:48	07/04/23 18:32	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/03/23 10:48	07/04/23 18:32	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/03/23 10:48	07/04/23 18:32	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		07/03/23 10:48	07/04/23 18:32	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/03/23 10:48	07/04/23 18:32	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/03/23 10:48	07/04/23 18:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	146	S1+	70 - 130	07/03/23 10:48	07/04/23 18:32	1
1,4-Difluorobenzene (Surr)	75		70 - 130	07/03/23 10:48	07/04/23 18:32	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

Client Sample ID: T-2 (0-1')

Lab Sample ID: 880-30287-6

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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			07/05/23 12:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/06/23 10:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/05/23 08:44	07/05/23 15:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/05/23 08:44	07/05/23 15:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/05/23 08:44	07/05/23 15:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	61	S1-	70 - 130				07/05/23 08:44	07/05/23 15:53	1
o-Terphenyl	47	S1-	70 - 130				07/05/23 08:44	07/05/23 15:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7680		99.4		mg/Kg			07/06/23 22:39	20

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-30287-7

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/03/23 10:48	07/04/23 18:59	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/03/23 10:48	07/04/23 18:59	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/03/23 10:48	07/04/23 18:59	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/03/23 10:48	07/04/23 18:59	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/03/23 10:48	07/04/23 18:59	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/03/23 10:48	07/04/23 18:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	159	S1+	70 - 130				07/03/23 10:48	07/04/23 18:59	1
1,4-Difluorobenzene (Surr)	78		70 - 130				07/03/23 10:48	07/04/23 18:59	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			07/05/23 12:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/06/23 10:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/05/23 08:44	07/05/23 16:18	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/05/23 08:44	07/05/23 16:18	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-30287-7

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/05/23 08:44	07/05/23 16:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130				07/05/23 08:44	07/05/23 16:18	1
o-Terphenyl	103		70 - 130				07/05/23 08:44	07/05/23 16:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3050		49.6		mg/Kg			07/06/23 22:02	10

Client Sample ID: T-2 (2')

Lab Sample ID: 880-30287-8

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/03/23 10:48	07/04/23 19:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/03/23 10:48	07/04/23 19:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/03/23 10:48	07/04/23 19:25	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/03/23 10:48	07/04/23 19:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/03/23 10:48	07/04/23 19:25	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/03/23 10:48	07/04/23 19:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	153	S1+	70 - 130				07/03/23 10:48	07/04/23 19:25	1
1,4-Difluorobenzene (Surr)	65	S1-	70 - 130				07/03/23 10:48	07/04/23 19:25	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			07/05/23 12:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/06/23 10:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/05/23 08:44	07/05/23 16:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/05/23 08:44	07/05/23 16:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/05/23 08:44	07/05/23 16:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				07/05/23 08:44	07/05/23 16:42	1
o-Terphenyl	100		70 - 130				07/05/23 08:44	07/05/23 16:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1810		25.1		mg/Kg			07/06/23 22:17	5

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

Client Sample ID: T-2 (3')

Lab Sample ID: 880-30287-9

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/03/23 10:48	07/04/23 19:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/03/23 10:48	07/04/23 19:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/03/23 10:48	07/04/23 19:52	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/03/23 10:48	07/04/23 19:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/03/23 10:48	07/04/23 19:52	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/03/23 10:48	07/04/23 19:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130	07/03/23 10:48	07/04/23 19:52	1
1,4-Difluorobenzene (Surr)	74		70 - 130	07/03/23 10:48	07/04/23 19:52	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			07/05/23 12:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/06/23 10:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/05/23 08:44	07/05/23 17:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/05/23 08:44	07/05/23 17:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/05/23 08:44	07/05/23 17:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130	07/05/23 08:44	07/05/23 17:07	1
o-Terphenyl	104		70 - 130	07/05/23 08:44	07/05/23 17:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	539		5.03		mg/Kg			07/06/23 22:22	1

Client Sample ID: T-2 (3')

Lab Sample ID: 880-30287-10

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/03/23 10:48	07/04/23 20:19	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/03/23 10:48	07/04/23 20:19	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/03/23 10:48	07/04/23 20:19	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/03/23 10:48	07/04/23 20:19	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/03/23 10:48	07/04/23 20:19	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/03/23 10:48	07/04/23 20:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130	07/03/23 10:48	07/04/23 20:19	1
1,4-Difluorobenzene (Surr)	71		70 - 130	07/03/23 10:48	07/04/23 20:19	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

Client Sample ID: T-2 (3')

Lab Sample ID: 880-30287-10

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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			07/05/23 12:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/06/23 10:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/05/23 08:44	07/05/23 17:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/05/23 08:44	07/05/23 17:32	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/05/23 08:44	07/05/23 17:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				07/05/23 08:44	07/05/23 17:32	1
o-Terphenyl	102		70 - 130				07/05/23 08:44	07/05/23 17:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	135		5.00		mg/Kg			07/06/23 22:27	1

Client Sample ID: T-3 (0-1')

Lab Sample ID: 880-30287-11

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/03/23 10:48	07/04/23 22:32	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/03/23 10:48	07/04/23 22:32	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/03/23 10:48	07/04/23 22:32	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/03/23 10:48	07/04/23 22:32	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/03/23 10:48	07/04/23 22:32	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/03/23 10:48	07/04/23 22:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	148	S1+	70 - 130				07/03/23 10:48	07/04/23 22:32	1
1,4-Difluorobenzene (Surr)	75		70 - 130				07/03/23 10:48	07/04/23 22:32	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			07/05/23 12:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/06/23 10:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/05/23 08:44	07/05/23 17:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/05/23 08:44	07/05/23 17:57	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

Client Sample ID: T-3 (0-1')

Lab Sample ID: 880-30287-11

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/05/23 08:44	07/05/23 17:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	55	S1-	70 - 130				07/05/23 08:44	07/05/23 17:57	1
o-Terphenyl	43	S1-	70 - 130				07/05/23 08:44	07/05/23 17:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4200		50.2		mg/Kg			07/06/23 22:32	10

Client Sample ID: T-3 (1.5')

Lab Sample ID: 880-30287-12

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/03/23 10:48	07/04/23 22:59	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/03/23 10:48	07/04/23 22:59	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/03/23 10:48	07/04/23 22:59	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		07/03/23 10:48	07/04/23 22:59	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/03/23 10:48	07/04/23 22:59	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		07/03/23 10:48	07/04/23 22:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	150	S1+	70 - 130				07/03/23 10:48	07/04/23 22:59	1
1,4-Difluorobenzene (Surr)	70		70 - 130				07/03/23 10:48	07/04/23 22:59	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			07/05/23 12:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/06/23 10:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/05/23 08:44	07/05/23 18:21	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/05/23 08:44	07/05/23 18:21	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/05/23 08:44	07/05/23 18:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				07/05/23 08:44	07/05/23 18:21	1
o-Terphenyl	102		70 - 130				07/05/23 08:44	07/05/23 18:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4450		49.8		mg/Kg			07/06/23 22:48	10

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

Client Sample ID: T-3 (2')

Lab Sample ID: 880-30287-13

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/03/23 10:48	07/04/23 23:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/03/23 10:48	07/04/23 23:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/03/23 10:48	07/04/23 23:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/03/23 10:48	07/04/23 23:26	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/03/23 10:48	07/04/23 23:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/03/23 10:48	07/04/23 23:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	148	S1+	70 - 130	07/03/23 10:48	07/04/23 23:26	1
1,4-Difluorobenzene (Surr)	73		70 - 130	07/03/23 10:48	07/04/23 23:26	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			07/05/23 12:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/06/23 10:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/05/23 08:44	07/05/23 19:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/05/23 08:44	07/05/23 19:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/05/23 08:44	07/05/23 19:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	137	S1+	70 - 130	07/05/23 08:44	07/05/23 19:10	1
o-Terphenyl	111		70 - 130	07/05/23 08:44	07/05/23 19:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4580		49.6		mg/Kg			07/06/23 22:53	10

Client Sample ID: T-3 (3')

Lab Sample ID: 880-30287-14

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/03/23 10:48	07/04/23 23:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/03/23 10:48	07/04/23 23:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/03/23 10:48	07/04/23 23:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/03/23 10:48	07/04/23 23:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/03/23 10:48	07/04/23 23:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/03/23 10:48	07/04/23 23:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	167	S1+	70 - 130	07/03/23 10:48	07/04/23 23:52	1
1,4-Difluorobenzene (Surr)	96		70 - 130	07/03/23 10:48	07/04/23 23:52	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

Client Sample ID: T-3 (3')

Lab Sample ID: 880-30287-14

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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			07/05/23 12:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/06/23 10:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/05/23 08:44	07/05/23 19:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/05/23 08:44	07/05/23 19:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/05/23 08:44	07/05/23 19:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				07/05/23 08:44	07/05/23 19:34	1
o-Terphenyl	96		70 - 130				07/05/23 08:44	07/05/23 19:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2510		24.9		mg/Kg			07/06/23 22:58	5

Client Sample ID: T-3 (4')

Lab Sample ID: 880-30287-15

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/03/23 10:48	07/05/23 00:19	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/03/23 10:48	07/05/23 00:19	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/03/23 10:48	07/05/23 00:19	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/03/23 10:48	07/05/23 00:19	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/03/23 10:48	07/05/23 00:19	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/03/23 10:48	07/05/23 00:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	153	S1+	70 - 130				07/03/23 10:48	07/05/23 00:19	1
1,4-Difluorobenzene (Surr)	81		70 - 130				07/03/23 10:48	07/05/23 00:19	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			07/05/23 12:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/06/23 10:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/05/23 08:44	07/05/23 19:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/05/23 08:44	07/05/23 19:58	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

Client Sample ID: T-3 (4')
Date Collected: 06/29/23 00:00
Date Received: 07/03/23 09:04

Lab Sample ID: 880-30287-15
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		07/05/23 08:44	07/05/23 19:58	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	115		70 - 130				07/05/23 08:44	07/05/23 19:58	1	
o-Terphenyl	96		70 - 130				07/05/23 08:44	07/05/23 19:58	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	173		5.03		mg/Kg			07/06/23 23:03	1	

Client Sample ID: T-4 (0-1')
Date Collected: 06/29/23 00:00
Date Received: 07/03/23 09:04

Lab Sample ID: 880-30287-16
Matrix: Solid

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		07/03/23 10:48	07/05/23 00:46	1	
Toluene	<0.00202	U	0.00202		mg/Kg		07/03/23 10:48	07/05/23 00:46	1	
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/03/23 10:48	07/05/23 00:46	1	
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/03/23 10:48	07/05/23 00:46	1	
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/03/23 10:48	07/05/23 00:46	1	
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/03/23 10:48	07/05/23 00:46	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	159	S1+	70 - 130				07/03/23 10:48	07/05/23 00:46	1	
1,4-Difluorobenzene (Surr)	77		70 - 130				07/03/23 10:48	07/05/23 00:46	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			07/05/23 12:58	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<50.0	U	50.0		mg/Kg			07/06/23 10:02	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/05/23 08:44	07/05/23 20:23	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/05/23 08:44	07/05/23 20:23	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/05/23 08:44	07/05/23 20:23	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	112		70 - 130				07/05/23 08:44	07/05/23 20:23	1	
o-Terphenyl	91		70 - 130				07/05/23 08:44	07/05/23 20:23	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	3250		50.5		mg/Kg			07/06/23 23:08	10	

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

Client Sample ID: T-4 (1.5')

Lab Sample ID: 880-30287-17

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/03/23 10:48	07/05/23 01:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/03/23 10:48	07/05/23 01:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/03/23 10:48	07/05/23 01:12	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/03/23 10:48	07/05/23 01:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/03/23 10:48	07/05/23 01:12	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/03/23 10:48	07/05/23 01:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	167	S1+	70 - 130	07/03/23 10:48	07/05/23 01:12	1
1,4-Difluorobenzene (Surr)	78		70 - 130	07/03/23 10:48	07/05/23 01:12	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			07/05/23 12:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/06/23 10:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/05/23 08:44	07/05/23 20:47	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/05/23 08:44	07/05/23 20:47	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/05/23 08:44	07/05/23 20:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130	07/05/23 08:44	07/05/23 20:47	1
o-Terphenyl	100		70 - 130	07/05/23 08:44	07/05/23 20:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	980	F1	24.9		mg/Kg			07/06/23 23:14	5

Client Sample ID: T-4 (2')

Lab Sample ID: 880-30287-18

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/03/23 10:48	07/05/23 01:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/03/23 10:48	07/05/23 01:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/03/23 10:48	07/05/23 01:39	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/03/23 10:48	07/05/23 01:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/03/23 10:48	07/05/23 01:39	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/03/23 10:48	07/05/23 01:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	164	S1+	70 - 130	07/03/23 10:48	07/05/23 01:39	1
1,4-Difluorobenzene (Surr)	70		70 - 130	07/03/23 10:48	07/05/23 01:39	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

Client Sample ID: T-4 (2')

Lab Sample ID: 880-30287-18

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			07/05/23 12:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/06/23 10:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/05/23 08:44	07/05/23 21:11	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/05/23 08:44	07/05/23 21:11	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/05/23 08:44	07/05/23 21:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130				07/05/23 08:44	07/05/23 21:11	1
o-Terphenyl	105		70 - 130				07/05/23 08:44	07/05/23 21:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1860		25.3		mg/Kg			07/06/23 23:29	5

Client Sample ID: T-4 (3')

Lab Sample ID: 880-30287-19

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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		07/03/23 10:48	07/05/23 02:06	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/03/23 10:48	07/05/23 02:06	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/03/23 10:48	07/05/23 02:06	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		07/03/23 10:48	07/05/23 02:06	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/03/23 10:48	07/05/23 02:06	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/03/23 10:48	07/05/23 02:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	170	S1+	70 - 130				07/03/23 10:48	07/05/23 02:06	1
1,4-Difluorobenzene (Surr)	82		70 - 130				07/03/23 10:48	07/05/23 02:06	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			07/05/23 12:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/06/23 10:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/05/23 08:44	07/05/23 21:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/05/23 08:44	07/05/23 21:35	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

Client Sample ID: T-4 (3')

Lab Sample ID: 880-30287-19

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/05/23 08:44	07/05/23 21:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				07/05/23 08:44	07/05/23 21:35	1
o-Terphenyl	94		70 - 130				07/05/23 08:44	07/05/23 21:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1160		25.0		mg/Kg			07/06/23 23:34	5

Client Sample ID: T-4 (4')

Lab Sample ID: 880-30287-20

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/03/23 10:48	07/05/23 02:33	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/03/23 10:48	07/05/23 02:33	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/03/23 10:48	07/05/23 02:33	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		07/03/23 10:48	07/05/23 02:33	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/03/23 10:48	07/05/23 02:33	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		07/03/23 10:48	07/05/23 02:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	169	S1+	70 - 130				07/03/23 10:48	07/05/23 02:33	1
1,4-Difluorobenzene (Surr)	75		70 - 130				07/03/23 10:48	07/05/23 02:33	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			07/05/23 12:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	117		49.8		mg/Kg			07/06/23 10:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/05/23 08:44	07/06/23 06:40	1
Diesel Range Organics (Over C10-C28)	117		49.8		mg/Kg		07/05/23 08:44	07/06/23 06:40	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/05/23 08:44	07/06/23 06:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130				07/05/23 08:44	07/06/23 06:40	1
o-Terphenyl	110		70 - 130				07/05/23 08:44	07/06/23 06:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	95.7		4.95		mg/Kg			07/07/23 12:10	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

Client Sample ID: T-5 (0-1')
Date Collected: 06/29/23 00:00
Date Received: 07/03/23 09:04

Lab Sample ID: 880-30287-21
Matrix: Solid

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		07/03/23 12:53	07/04/23 00:12	1
Toluene	<0.00202	U **	0.00202		mg/Kg		07/03/23 12:53	07/04/23 00:12	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/03/23 12:53	07/04/23 00:12	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		07/03/23 12:53	07/04/23 00:12	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/03/23 12:53	07/04/23 00:12	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		07/03/23 12:53	07/04/23 00:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130				07/03/23 12:53	07/04/23 00:12	1
1,4-Difluorobenzene (Surr)	90		70 - 130				07/03/23 12:53	07/04/23 00:12	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			07/05/23 12:23	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	165		49.9		mg/Kg			07/06/23 10:02	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/05/23 08:44	07/06/23 07:02	1
Diesel Range Organics (Over C10-C28)	165		49.9		mg/Kg		07/05/23 08:44	07/06/23 07:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/05/23 08:44	07/06/23 07:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130				07/05/23 08:44	07/06/23 07:02	1
o-Terphenyl	107		70 - 130				07/05/23 08:44	07/06/23 07:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23000		250		mg/Kg			07/06/23 23:55	50

Client Sample ID: T-5 (1.5')
Date Collected: 06/29/23 00:00
Date Received: 07/03/23 09:04

Lab Sample ID: 880-30287-22
Matrix: Solid

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		07/03/23 12:53	07/04/23 00:33	1
Toluene	<0.00199	U **	0.00199		mg/Kg		07/03/23 12:53	07/04/23 00:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/03/23 12:53	07/04/23 00:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/03/23 12:53	07/04/23 00:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/03/23 12:53	07/04/23 00:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/03/23 12:53	07/04/23 00:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				07/03/23 12:53	07/04/23 00:33	1
1,4-Difluorobenzene (Surr)	111		70 - 130				07/03/23 12:53	07/04/23 00:33	1

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

Client Sample ID: T-5 (1.5')

Lab Sample ID: 880-30287-22

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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			07/05/23 12:23	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			07/06/23 10:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/05/23 08:44	07/06/23 07:24	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/05/23 08:44	07/06/23 07:24	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/05/23 08:44	07/06/23 07:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130				07/05/23 08:44	07/06/23 07:24	1
o-Terphenyl	107		70 - 130				07/05/23 08:44	07/06/23 07:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9260		99.8		mg/Kg			07/07/23 00:00	20

Client Sample ID: T-5 (2')

Lab Sample ID: 880-30287-23

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/03/23 12:53	07/04/23 00:54	1
Toluene	<0.00200	U **	0.00200		mg/Kg		07/03/23 12:53	07/04/23 00:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/03/23 12:53	07/04/23 00:54	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/03/23 12:53	07/04/23 00:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/03/23 12:53	07/04/23 00:54	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/03/23 12:53	07/04/23 00:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				07/03/23 12:53	07/04/23 00:54	1
1,4-Difluorobenzene (Surr)	110		70 - 130				07/03/23 12:53	07/04/23 00:54	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			07/05/23 12:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/06/23 10:12	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	<50.0	U	50.0		mg/Kg		07/05/23 08:47	07/05/23 13:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/05/23 08:47	07/05/23 13:50	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

Client Sample ID: T-5 (2')

Lab Sample ID: 880-30287-23

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/05/23 08:47	07/05/23 13:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				07/05/23 08:47	07/05/23 13:50	1
o-Terphenyl	92		70 - 130				07/05/23 08:47	07/05/23 13:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7080		50.1		mg/Kg			07/07/23 00:05	10

Client Sample ID: T-5 (3)

Lab Sample ID: 880-30287-24

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/03/23 12:53	07/04/23 01:15	1
Toluene	<0.00201	U *	0.00201		mg/Kg		07/03/23 12:53	07/04/23 01:15	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/03/23 12:53	07/04/23 01:15	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/03/23 12:53	07/04/23 01:15	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/03/23 12:53	07/04/23 01:15	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/03/23 12:53	07/04/23 01:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				07/03/23 12:53	07/04/23 01:15	1
1,4-Difluorobenzene (Surr)	106		70 - 130				07/03/23 12:53	07/04/23 01:15	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			07/05/23 12:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/06/23 10:12	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	<50.0	U	50.0		mg/Kg		07/05/23 08:47	07/05/23 15:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/05/23 08:47	07/05/23 15:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/05/23 08:47	07/05/23 15:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				07/05/23 08:47	07/05/23 15:05	1
o-Terphenyl	109		70 - 130				07/05/23 08:47	07/05/23 15:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7380		50.5		mg/Kg			07/07/23 00:10	10

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

Client Sample ID: T-5 (4')

Lab Sample ID: 880-30287-25

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/03/23 12:53	07/04/23 01:36	1
Toluene	<0.00202	U **	0.00202		mg/Kg		07/03/23 12:53	07/04/23 01:36	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/03/23 12:53	07/04/23 01:36	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/03/23 12:53	07/04/23 01:36	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/03/23 12:53	07/04/23 01:36	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/03/23 12:53	07/04/23 01:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	07/03/23 12:53	07/04/23 01:36	1
1,4-Difluorobenzene (Surr)	105		70 - 130	07/03/23 12:53	07/04/23 01:36	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			07/05/23 12:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/06/23 10:12	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	<50.0	U	50.0		mg/Kg		07/05/23 08:47	07/05/23 15:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/05/23 08:47	07/05/23 15:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/05/23 08:47	07/05/23 15:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	07/05/23 08:47	07/05/23 15:29	1
o-Terphenyl	116		70 - 130	07/05/23 08:47	07/05/23 15:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7530		49.5		mg/Kg			07/07/23 00:15	10

Client Sample ID: T-5 (5')

Lab Sample ID: 880-30287-26

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/03/23 12:53	07/04/23 01:56	1
Toluene	<0.00201	U **	0.00201		mg/Kg		07/03/23 12:53	07/04/23 01:56	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/03/23 12:53	07/04/23 01:56	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/03/23 12:53	07/04/23 01:56	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/03/23 12:53	07/04/23 01:56	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/03/23 12:53	07/04/23 01:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	07/03/23 12:53	07/04/23 01:56	1
1,4-Difluorobenzene (Surr)	105		70 - 130	07/03/23 12:53	07/04/23 01:56	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

Client Sample ID: T-5 (5')

Lab Sample ID: 880-30287-26

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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			07/05/23 12:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/06/23 10:12	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	<50.0	U	50.0		mg/Kg		07/05/23 08:47	07/05/23 15:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/05/23 08:47	07/05/23 15:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/05/23 08:47	07/05/23 15:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				07/05/23 08:47	07/05/23 15:53	1
o-Terphenyl	111		70 - 130				07/05/23 08:47	07/05/23 15:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6460		49.8		mg/Kg			07/07/23 00:21	10

Client Sample ID: T-5 (6')

Lab Sample ID: 880-30287-27

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/03/23 10:43	07/04/23 17:21	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/03/23 10:43	07/04/23 17:21	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/03/23 10:43	07/04/23 17:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/03/23 10:43	07/04/23 17:21	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/03/23 10:43	07/04/23 17:21	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/03/23 10:43	07/04/23 17:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				07/03/23 10:43	07/04/23 17:21	1
1,4-Difluorobenzene (Surr)	107		70 - 130				07/03/23 10:43	07/04/23 17:21	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			07/05/23 12:23	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			07/06/23 10:12	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	<49.8	U	49.8		mg/Kg		07/05/23 08:47	07/05/23 16:18	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/05/23 08:47	07/05/23 16:18	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

Client Sample ID: T-5 (6')

Lab Sample ID: 880-30287-27

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/05/23 08:47	07/05/23 16:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				07/05/23 08:47	07/05/23 16:18	1
o-Terphenyl	119		70 - 130				07/05/23 08:47	07/05/23 16:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4630		49.5		mg/Kg			07/06/23 19:02	10

Client Sample ID: T-5 (7')

Lab Sample ID: 880-30287-28

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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		07/03/23 10:43	07/04/23 17:42	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/03/23 10:43	07/04/23 17:42	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/03/23 10:43	07/04/23 17:42	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		07/03/23 10:43	07/04/23 17:42	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/03/23 10:43	07/04/23 17:42	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/03/23 10:43	07/04/23 17:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				07/03/23 10:43	07/04/23 17:42	1
1,4-Difluorobenzene (Surr)	104		70 - 130				07/03/23 10:43	07/04/23 17:42	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			07/05/23 12:23	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			07/06/23 10:12	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		07/05/23 08:47	07/05/23 16:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/05/23 08:47	07/05/23 16:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/05/23 08:47	07/05/23 16:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				07/05/23 08:47	07/05/23 16:42	1
o-Terphenyl	119		70 - 130				07/05/23 08:47	07/05/23 16:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1510		25.0		mg/Kg			07/06/23 19:17	5

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

Client Sample ID: T-5 (8')

Lab Sample ID: 880-30287-29

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/03/23 10:43	07/04/23 18:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/03/23 10:43	07/04/23 18:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/03/23 10:43	07/04/23 18:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/03/23 10:43	07/04/23 18:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/03/23 10:43	07/04/23 18:03	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/03/23 10:43	07/04/23 18:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	07/03/23 10:43	07/04/23 18:03	1
1,4-Difluorobenzene (Surr)	106		70 - 130	07/03/23 10:43	07/04/23 18:03	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			07/05/23 12:23	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			07/06/23 10:12	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		07/05/23 08:47	07/05/23 17:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/05/23 08:47	07/05/23 17:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/05/23 08:47	07/05/23 17:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	07/05/23 08:47	07/05/23 17:07	1
o-Terphenyl	109		70 - 130	07/05/23 08:47	07/05/23 17:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1280		24.9		mg/Kg			07/06/23 19:22	5

Client Sample ID: T-5 (9')

Lab Sample ID: 880-30287-30

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/03/23 10:43	07/04/23 18:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/03/23 10:43	07/04/23 18:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/03/23 10:43	07/04/23 18:24	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/03/23 10:43	07/04/23 18:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/03/23 10:43	07/04/23 18:24	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/03/23 10:43	07/04/23 18:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	07/03/23 10:43	07/04/23 18:24	1
1,4-Difluorobenzene (Surr)	108		70 - 130	07/03/23 10:43	07/04/23 18:24	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

Client Sample ID: T-5 (9')

Lab Sample ID: 880-30287-30

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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			07/05/23 12:23	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			07/06/23 10:12	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	<49.8	U	49.8		mg/Kg		07/05/23 08:47	07/05/23 17:32	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/05/23 08:47	07/05/23 17:32	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/05/23 08:47	07/05/23 17:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				07/05/23 08:47	07/05/23 17:32	1
o-Terphenyl	110		70 - 130				07/05/23 08:47	07/05/23 17:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	540		25.0		mg/Kg			07/06/23 19:28	5

Client Sample ID: T-5 (10')

Lab Sample ID: 880-30287-31

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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		07/03/23 10:43	07/04/23 18:45	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/03/23 10:43	07/04/23 18:45	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/03/23 10:43	07/04/23 18:45	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		07/03/23 10:43	07/04/23 18:45	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/03/23 10:43	07/04/23 18:45	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/03/23 10:43	07/04/23 18:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				07/03/23 10:43	07/04/23 18:45	1
1,4-Difluorobenzene (Surr)	107		70 - 130				07/03/23 10:43	07/04/23 18:45	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			07/05/23 12:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/06/23 10:12	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	<50.0	U	50.0		mg/Kg		07/05/23 08:47	07/05/23 17:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/05/23 08:47	07/05/23 17:57	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

Client Sample ID: T-5 (10')
Date Collected: 06/29/23 00:00
Date Received: 07/03/23 09:04

Lab Sample ID: 880-30287-31
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/05/23 08:47	07/05/23 17:57	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	96		70 - 130				07/05/23 08:47	07/05/23 17:57	1	
o-Terphenyl	99		70 - 130				07/05/23 08:47	07/05/23 17:57	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	476		24.9		mg/Kg			07/06/23 19:33	5	

Surrogate Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-30287-1	T-1 (0-1')	128	76
880-30287-1 MS	T-1 (0-1')	139 S1+	86
880-30287-1 MSD	T-1 (0-1')	143 S1+	97
880-30287-2	T-1 (1.5')	138 S1+	72
880-30287-3	T-1 (2')	172 S1+	100
880-30287-4	T-1 (3')	132 S1+	70
880-30287-5	T-1 (4')	143 S1+	77
880-30287-6	T-2 (0-1')	146 S1+	75
880-30287-7	T-2 (1.5')	159 S1+	78
880-30287-8	T-2 (2')	153 S1+	65 S1-
880-30287-9	T-2 (3')	140 S1+	74
880-30287-10	T-2 (3')	137 S1+	71
880-30287-11	T-3 (0-1')	148 S1+	75
880-30287-12	T-3 (1.5')	150 S1+	70
880-30287-13	T-3 (2')	148 S1+	73
880-30287-14	T-3 (3')	167 S1+	96
880-30287-15	T-3 (4')	153 S1+	81
880-30287-16	T-4 (0-1')	159 S1+	77
880-30287-17	T-4 (1.5')	167 S1+	78
880-30287-18	T-4 (2')	164 S1+	70
880-30287-19	T-4 (3')	170 S1+	82
880-30287-20	T-4 (4')	169 S1+	75
880-30287-21	T-5 (0-1')	139 S1+	90
880-30287-21 MS	T-5 (0-1')	101	102
880-30287-21 MSD	T-5 (0-1')	107	96
880-30287-22	T-5 (1.5')	111	111
880-30287-23	T-5 (2')	115	110
880-30287-24	T-5 (3')	121	106
880-30287-25	T-5 (4')	114	105
880-30287-26	T-5 (5')	122	105
880-30287-27	T-5 (6')	108	107
880-30287-28	T-5 (7')	117	104
880-30287-29	T-5 (8')	110	106
880-30287-30	T-5 (9')	108	108
880-30287-31	T-5 (10')	118	107
LCS 880-56875/1-A	Lab Control Sample	99	102
LCS 880-56876/1-A	Lab Control Sample	114	82
LCS 880-56908/1-A	Lab Control Sample	110	99
LCSD 880-56875/2-A	Lab Control Sample Dup	109	95
LCSD 880-56876/2-A	Lab Control Sample Dup	120	81
LCSD 880-56908/2-A	Lab Control Sample Dup	107	101
MB 880-56854/5-A	Method Blank	98	87
MB 880-56874/5-A	Method Blank	81	74
MB 880-56875/5-A	Method Blank	98	87
MB 880-56876/5-A	Method Blank	84	75
MB 880-56908/5-A	Method Blank	98	87

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-30284-A-9-C MS	Matrix Spike	97	97
880-30284-A-9-D MSD	Matrix Spike Duplicate	93	95
880-30287-1	T-1 (0-1')	108	117
880-30287-2	T-1 (1.5')	101	108
880-30287-3	T-1 (2')	124	103
880-30287-3 MS	T-1 (2')	112	88
880-30287-3 MSD	T-1 (2')	113	88
880-30287-4	T-1 (3')	121	102
880-30287-5	T-1 (4')	107	89
880-30287-6	T-2 (0-1')	61 S1-	47 S1-
880-30287-7	T-2 (1.5')	123	103
880-30287-8	T-2 (2')	118	100
880-30287-9	T-2 (3')	121	104
880-30287-10	T-2 (3')	122	102
880-30287-11	T-3 (0-1')	55 S1-	43 S1-
880-30287-12	T-3 (1.5')	126	102
880-30287-13	T-3 (2')	137 S1+	111
880-30287-14	T-3 (3')	112	96
880-30287-15	T-3 (4')	115	96
880-30287-16	T-4 (0-1')	112	91
880-30287-17	T-4 (1.5')	123	100
880-30287-18	T-4 (2')	125	105
880-30287-19	T-4 (3')	110	94
880-30287-20	T-4 (4')	127	110
880-30287-21	T-5 (0-1')	124	107
880-30287-22	T-5 (1.5')	124	107
880-30287-23	T-5 (2')	86	92
880-30287-23 MS	T-5 (2')	105	106
880-30287-23 MSD	T-5 (2')	106	108
880-30287-24	T-5 (3')	102	109
880-30287-25	T-5 (4')	108	116
880-30287-26	T-5 (5')	102	111
880-30287-27	T-5 (6')	106	119
880-30287-28	T-5 (7')	106	119
880-30287-29	T-5 (8')	103	109
880-30287-30	T-5 (9')	101	110
880-30287-31	T-5 (10')	96	99
LCS 880-56914/2-A	Lab Control Sample	66 S1-	77
LCS 880-56947/2-A	Lab Control Sample	86	75
LCS 880-56949/2-A	Lab Control Sample	64 S1-	71
LCSD 880-56914/3-A	Lab Control Sample Dup	77	88
LCSD 880-56947/3-A	Lab Control Sample Dup	89	80
LCSD 880-56949/3-A	Lab Control Sample Dup	79	86
MB 880-56914/1-A	Method Blank	125	143 S1+
MB 880-56947/1-A	Method Blank	159 S1+	133 S1+
MB 880-56949/1-A	Method Blank	113	123

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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QC Sample Results

Client: Carmona Resources

Job ID: 880-30287-1

Project/Site: Riverbend 12-13 Federal Com 33H

SDG: Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-56854/5-A

Matrix: Solid

Analysis Batch: 56823

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56854

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/03/23 09:49	07/03/23 12:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/03/23 09:49	07/03/23 12:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/03/23 09:49	07/03/23 12:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/03/23 09:49	07/03/23 12:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/03/23 09:49	07/03/23 12:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/03/23 09:49	07/03/23 12:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	07/03/23 09:49	07/03/23 12:55	1
1,4-Difluorobenzene (Surr)	87		70 - 130	07/03/23 09:49	07/03/23 12:55	1

Lab Sample ID: MB 880-56874/5-A

Matrix: Solid

Analysis Batch: 56821

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56874

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/03/23 10:35	07/04/23 01:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/03/23 10:35	07/04/23 01:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/03/23 10:35	07/04/23 01:59	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/03/23 10:35	07/04/23 01:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/03/23 10:35	07/04/23 01:59	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/03/23 10:35	07/04/23 01:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130	07/03/23 10:35	07/04/23 01:59	1
1,4-Difluorobenzene (Surr)	74		70 - 130	07/03/23 10:35	07/04/23 01:59	1

Lab Sample ID: MB 880-56875/5-A

Matrix: Solid

Analysis Batch: 56823

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56875

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/03/23 10:43	07/04/23 10:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/03/23 10:43	07/04/23 10:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/03/23 10:43	07/04/23 10:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/03/23 10:43	07/04/23 10:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/03/23 10:43	07/04/23 10:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/03/23 10:43	07/04/23 10:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	07/03/23 10:43	07/04/23 10:40	1
1,4-Difluorobenzene (Surr)	87		70 - 130	07/03/23 10:43	07/04/23 10:40	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

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

Lab Sample ID: LCS 880-56875/1-A

Matrix: Solid

Analysis Batch: 56823

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 56875

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1294		mg/Kg		129	70 - 130
Toluene	0.100	0.1281		mg/Kg		128	70 - 130
Ethylbenzene	0.100	0.1048		mg/Kg		105	70 - 130
m-Xylene & p-Xylene	0.200	0.2128		mg/Kg		106	70 - 130
o-Xylene	0.100	0.1028		mg/Kg		103	70 - 130

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

Lab Sample ID: LCSD 880-56875/2-A

Matrix: Solid

Analysis Batch: 56823

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 56875

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1170		mg/Kg		117	70 - 130	10	35
Toluene	0.100	0.1286		mg/Kg		129	70 - 130	0	35
Ethylbenzene	0.100	0.1131		mg/Kg		113	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.2380		mg/Kg		119	70 - 130	11	35
o-Xylene	0.100	0.1155		mg/Kg		115	70 - 130	12	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: MB 880-56876/5-A

Matrix: Solid

Analysis Batch: 56821

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56876

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/03/23 10:48	07/04/23 15:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/03/23 10:48	07/04/23 15:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/03/23 10:48	07/04/23 15:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/03/23 10:48	07/04/23 15:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/03/23 10:48	07/04/23 15:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/03/23 10:48	07/04/23 15:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	07/03/23 10:48	07/04/23 15:51	1
1,4-Difluorobenzene (Surr)	75		70 - 130	07/03/23 10:48	07/04/23 15:51	1

Lab Sample ID: LCS 880-56876/1-A

Matrix: Solid

Analysis Batch: 56821

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 56876

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1141		mg/Kg		114	70 - 130
Toluene	0.100	0.1101		mg/Kg		110	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

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

Lab Sample ID: LCS 880-56876/1-A				Client Sample ID: Lab Control Sample			
Matrix: Solid				Prep Type: Total/NA			
Analysis Batch: 56821				Prep Batch: 56876			
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	0.100	0.1081		mg/Kg		108	70 - 130
m-Xylene & p-Xylene	0.200	0.2107		mg/Kg		105	70 - 130
o-Xylene	0.100	0.1086		mg/Kg		109	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	114		70 - 130				
1,4-Difluorobenzene (Surr)	82		70 - 130				

Lab Sample ID: LCSD 880-56876/2-A				Client Sample ID: Lab Control Sample Dup							
Matrix: Solid				Prep Type: Total/NA							
Analysis Batch: 56821				Prep Batch: 56876							
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD		
							Limits		RPD	Limit	
Benzene	0.100	0.1070		mg/Kg		107	70 - 130		6	35	
Toluene	0.100	0.1060		mg/Kg		106	70 - 130		4	35	
Ethylbenzene	0.100	0.09792		mg/Kg		98	70 - 130		10	35	
m-Xylene & p-Xylene	0.200	0.1893		mg/Kg		95	70 - 130		11	35	
o-Xylene	0.100	0.1025		mg/Kg		102	70 - 130		6	35	
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	120		70 - 130								
1,4-Difluorobenzene (Surr)	81		70 - 130								

Lab Sample ID: 880-30287-1 MS					Client Sample ID: T-1 (0-1')						
Matrix: Solid					Prep Type: Total/NA						
Analysis Batch: 56821					Prep Batch: 56876						
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	<0.00200	U	0.0990	0.1219		mg/Kg		123	70 - 130		
Toluene	<0.00200	U	0.0990	0.1162		mg/Kg		117	70 - 130		
Ethylbenzene	<0.00200	U	0.0990	0.1125		mg/Kg		114	70 - 130		
m-Xylene & p-Xylene	<0.00399	U	0.198	0.2206		mg/Kg		111	70 - 130		
o-Xylene	<0.00200	U	0.0990	0.1134		mg/Kg		115	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130								
1,4-Difluorobenzene (Surr)	86		70 - 130								

Lab Sample ID: 880-30287-1 MSD								Client Sample ID: T-1 (0-1')			
Matrix: Solid								Prep Type: Total/NA			
Analysis Batch: 56821								Prep Batch: 56876			
Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	RPD		
	Result	Qualifier	Added	Result	Qualifier			Limits	RPD	Limits	
Benzene	<0.00200	U	0.0994	0.1230		mg/Kg		124	70 - 130	1	35
Toluene	<0.00200	U	0.0994	0.1195		mg/Kg		120	70 - 130	3	35
Ethylbenzene	<0.00200	U	0.0994	0.1147		mg/Kg		115	70 - 130	2	35
m-Xylene & p-Xylene	<0.00399	U	0.199	0.2263		mg/Kg		114	70 - 130	3	35
o-Xylene	<0.00200	U	0.0994	0.1186		mg/Kg		119	70 - 130	4	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

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

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	143	S1+	70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: MB 880-56908/5-A

Matrix: Solid

Analysis Batch: 56823

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56908

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00202	U	0.00202		mg/Kg		07/03/23 12:53	07/03/23 23:50	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/03/23 12:53	07/03/23 23:50	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/03/23 12:53	07/03/23 23:50	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/03/23 12:53	07/03/23 23:50	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/03/23 12:53	07/03/23 23:50	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/03/23 12:53	07/03/23 23:50	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	98		70 - 130	07/03/23 12:53	07/03/23 23:50	1
1,4-Difluorobenzene (Surr)	87		70 - 130	07/03/23 12:53	07/03/23 23:50	1

Lab Sample ID: LCS 880-56908/1-A

Matrix: Solid

Analysis Batch: 56823

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 56908

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec	
		Result	Qualifier				Limits	
Benzene	0.100	0.1227		mg/Kg		123	70 - 130	
Toluene	0.100	0.1329	*+	mg/Kg		133	70 - 130	
Ethylbenzene	0.100	0.1156		mg/Kg		116	70 - 130	
m-Xylene & p-Xylene	0.200	0.2412		mg/Kg		121	70 - 130	
o-Xylene	0.100	0.1159		mg/Kg		116	70 - 130	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-56908/2-A

Matrix: Solid

Analysis Batch: 56823

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 56908

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec		RPD	
		Result	Qualifier				Limits		RPD	Limit
Benzene	0.100	0.1293		mg/Kg		129	70 - 130		5	35
Toluene	0.100	0.1339	*+	mg/Kg		134	70 - 130		1	35
Ethylbenzene	0.100	0.1144		mg/Kg		114	70 - 130		1	35
m-Xylene & p-Xylene	0.200	0.2380		mg/Kg		119	70 - 130		1	35
o-Xylene	0.100	0.1144		mg/Kg		114	70 - 130		1	35

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

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

Lab Sample ID: 880-30287-21 MS
Matrix: Solid
Analysis Batch: 56823

Client Sample ID: T-5 (0-1')
Prep Type: Total/NA
Prep Batch: 56908

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.0996	0.1056		mg/Kg		106	70 - 130
Toluene	<0.00202	U *+	0.0996	0.1052		mg/Kg		106	70 - 130
Ethylbenzene	<0.00202	U	0.0996	0.08333		mg/Kg		84	70 - 130
m-Xylene & p-Xylene	<0.00403	U	0.199	0.1676		mg/Kg		84	70 - 130
o-Xylene	<0.00202	U	0.0996	0.08074		mg/Kg		81	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	101		70 - 130						
1,4-Difluorobenzene (Surr)	102		70 - 130						

Lab Sample ID: 880-30287-21 MSD
Matrix: Solid
Analysis Batch: 56823

Client Sample ID: T-5 (0-1')
Prep Type: Total/NA
Prep Batch: 56908

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.0990	0.1008		mg/Kg		102	70 - 130	5	35
Toluene	<0.00202	U *+	0.0990	0.1074		mg/Kg		108	70 - 130	2	35
Ethylbenzene	<0.00202	U	0.0990	0.08802		mg/Kg		89	70 - 130	5	35
m-Xylene & p-Xylene	<0.00403	U	0.198	0.1790		mg/Kg		90	70 - 130	7	35
o-Xylene	<0.00202	U	0.0990	0.08630		mg/Kg		87	70 - 130	7	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	107		70 - 130								
1,4-Difluorobenzene (Surr)	96		70 - 130								

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

Lab Sample ID: MB 880-56914/1-A
Matrix: Solid
Analysis Batch: 56816

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 56914

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		07/03/23 13:34	07/03/23 20:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/03/23 13:34	07/03/23 20:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/03/23 13:34	07/03/23 20:16	1
Surrogate	MB %Recovery	MB Qualifier	Limits						
1-Chlorooctane	125		70 - 130						
o-Terphenyl	143	S1+	70 - 130						

Lab Sample ID: LCS 880-56914/2-A
Matrix: Solid
Analysis Batch: 56816

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 56914

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	838.8		mg/Kg		84	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

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

Lab Sample ID: LCS 880-56914/2-A

Matrix: Solid

Analysis Batch: 56816

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 56914

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	1000	895.7		mg/Kg	-	90	70 - 130

	LCS	LCS	
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>1-Chlorooctane</i>	66	S1-	70 - 130
<i>o-Terphenyl</i>	77		70 - 130

Lab Sample ID: LCSD 880-56914/3-A

Matrix: Solid

Analysis Batch: 56816

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 56914

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec	RPD	RPD
							Limits		Limit
Gasoline Range Organics (GRO)-C6-C10	1000	857.4		mg/Kg		86	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	918.4		mg/Kg		92	70 - 130	3	20

	<i>LCSD</i>	<i>LCSD</i>	
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>1-Chlorooctane</i>	77		70 - 130
<i>o-Terphenyl</i>	88		70 - 130

Lab Sample ID: 880-30284-A-9-C MS

Matrix: Solid

Analysis Batch: 56816

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 56914

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec		
	Result	Qualifier	Added	Result	Qualifier				Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	1000	1121		mg/Kg		110	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.8	U	1000	986.4		mg/Kg		99	70 - 130		

	MS	MS	
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>1-Chlorooctane</i>	97		70 - 130
<i>o-Terphenyl</i>	97		70 - 130

Lab Sample ID: 880-30284-A-9-D MSD

Matrix: Solid

Analysis Batch: 56816

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 56914

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	997	1065		mg/Kg		104	70 - 130	5	20 - 100
Diesel Range Organics (Over C10-C28)	<49.8	U	997	965.6		mg/Kg		97	70 - 130	2	20 - 100

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	93		70 - 130
<i>o</i> -Terphenyl	95		70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

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

Lab Sample ID: MB 880-56947/1-A

Matrix: Solid

Analysis Batch: 56955

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56947

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/05/23 08:44	07/05/23 11:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/05/23 08:44	07/05/23 11:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/05/23 08:44	07/05/23 11:01	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
1-Chlorooctane	159	S1+	70 - 130				07/05/23 08:44	07/05/23 11:01	1
o-Terphenyl	133	S1+	70 - 130				07/05/23 08:44	07/05/23 11:01	1

Lab Sample ID: LCS 880-56947/2-A

Matrix: Solid

Analysis Batch: 56955

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 56947

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	830.2		mg/Kg		83	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	774.5		mg/Kg		77	70 - 130		
Surrogate	LCS	LCS	Limits						
	%Recovery	Qualifier							
1-Chlorooctane	86		70 - 130						
o-Terphenyl	75		70 - 130						

Lab Sample ID: LCSD 880-56947/3-A

Matrix: Solid

Analysis Batch: 56955

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 56947

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	911.1		mg/Kg		91	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	1000	881.2		mg/Kg		88	70 - 130	13	20
Surrogate	LCSD	LCSD	Limits						
	%Recovery	Qualifier							
1-Chlorooctane	89		70 - 130						
o-Terphenyl	80		70 - 130						

Lab Sample ID: 880-30287-3 MS

Matrix: Solid

Analysis Batch: 56955

Client Sample ID: T-1 (2')

Prep Type: Total/NA

Prep Batch: 56947

Analyte	Sample	Sample	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
	Result	Qualifier									
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	1227		mg/Kg		121	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	997	941.6		mg/Kg		93	70 - 130		

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

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

Lab Sample ID: 880-30287-3 MS
Matrix: Solid
Analysis Batch: 56955

Client Sample ID: T-1 (2')
Prep Type: Total/NA
Prep Batch: 56947

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	112		70 - 130
o-Terphenyl	88		70 - 130

Lab Sample ID: 880-30287-3 MSD
Matrix: Solid
Analysis Batch: 56955

Client Sample ID: T-1 (2')
Prep Type: Total/NA
Prep Batch: 56947

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	998	1240		mg/Kg		122	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	925.7		mg/Kg		91	70 - 130	2	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	113		70 - 130								
o-Terphenyl	88		70 - 130								

Lab Sample ID: MB 880-56949/1-A
Matrix: Solid
Analysis Batch: 56957

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 56949

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		07/05/23 08:47	07/05/23 11:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/05/23 08:47	07/05/23 11:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/05/23 08:47	07/05/23 11:01	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				07/05/23 08:47	07/05/23 11:01	1
o-Terphenyl	123		70 - 130				07/05/23 08:47	07/05/23 11:01	1

Lab Sample ID: LCS 880-56949/2-A
Matrix: Solid
Analysis Batch: 56957

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 56949

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	756.7		mg/Kg		76	70 - 130
Diesel Range Organics (Over C10-C28)	1000	824.3		mg/Kg		82	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	64	S1-	70 - 130				
o-Terphenyl	71		70 - 130				

QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

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

Lab Sample ID: LCSD 880-56949/3-A
Matrix: Solid
Analysis Batch: 56957

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 56949

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	780.4		mg/Kg		78	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	888.4		mg/Kg		89	70 - 130	7	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	79		70 - 130						
o-Terphenyl	86		70 - 130						

Lab Sample ID: 880-30287-23 MS
Matrix: Solid
Analysis Batch: 56957

Client Sample ID: T-5 (2')
Prep Type: Total/NA
Prep Batch: 56949

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	907.0		mg/Kg		88	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	997	809.3		mg/Kg		78	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	105		70 - 130								
o-Terphenyl	106		70 - 130								

Lab Sample ID: 880-30287-23 MSD
Matrix: Solid
Analysis Batch: 56957

Client Sample ID: T-5 (2')
Prep Type: Total/NA
Prep Batch: 56949

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	996	863.2		mg/Kg		84	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<50.0	U	996	814.8		mg/Kg		79	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	106		70 - 130								
o-Terphenyl	108		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-57020/1-A
Matrix: Solid
Analysis Batch: 57070

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			07/06/23 20:21	1

QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-57020/2-A

Matrix: Solid

Analysis Batch: 57070

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	247.8		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-57020/3-A

Matrix: Solid

Analysis Batch: 57070

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	248.7		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 880-30287-2 MS

Matrix: Solid

Analysis Batch: 57070

Client Sample ID: T-1 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	660		2490	3065		mg/Kg		97	90 - 110

Lab Sample ID: 880-30287-2 MSD

Matrix: Solid

Analysis Batch: 57070

Client Sample ID: T-1 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	660		2490	3071		mg/Kg		97	90 - 110	0	20

Lab Sample ID: MB 880-57022/1-A

Matrix: Solid

Analysis Batch: 57073

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			07/06/23 18:46	1

Lab Sample ID: LCS 880-57022/2-A

Matrix: Solid

Analysis Batch: 57073

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	254.7		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-57022/3-A

Matrix: Solid

Analysis Batch: 57073

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	256.2		mg/Kg		102	90 - 110	1	20

Lab Sample ID: 880-30287-27 MS

Matrix: Solid

Analysis Batch: 57073

Client Sample ID: T-5 (6')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	4630		2480	6916		mg/Kg		93	90 - 110

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QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-30287-27 MSD

Matrix: Solid

Analysis Batch: 57073

Client Sample ID: T-5 (6')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	4630		2480	6947		mg/Kg		94	90 - 110	0	20

Lab Sample ID: MB 880-57021/1-A

Matrix: Solid

Analysis Batch: 57074

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			07/06/23 21:46	1

Lab Sample ID: LCS 880-57021/2-A

Matrix: Solid

Analysis Batch: 57074

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	255.4		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-57021/3-A

Matrix: Solid

Analysis Batch: 57074

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	257.3		mg/Kg		103	90 - 110	1	20

Lab Sample ID: 880-30287-7 MS

Matrix: Solid

Analysis Batch: 57074

Client Sample ID: T-2 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3050		2480	5606		mg/Kg		103	90 - 110

Lab Sample ID: 880-30287-7 MSD

Matrix: Solid

Analysis Batch: 57074

Client Sample ID: T-2 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3050		2480	5620		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 880-30287-17 MS

Matrix: Solid

Analysis Batch: 57074

Client Sample ID: T-4 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	980	F1	1240	2351		mg/Kg		110	90 - 110

Lab Sample ID: 880-30287-17 MSD

Matrix: Solid

Analysis Batch: 57074

Client Sample ID: T-4 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	980	F1	1240	2354	F1	mg/Kg		111	90 - 110	0	20

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QC Association Summary

Client: Carmona Resources

Job ID: 880-30287-1

Project/Site: Riverbend 12-13 Federal Com 33H

SDG: Eddy County NM

GC VOA

Analysis Batch: 56821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30287-1	T-1 (0-1')	Total/NA	Solid	8021B	56876
880-30287-2	T-1 (1.5')	Total/NA	Solid	8021B	56876
880-30287-3	T-1 (2')	Total/NA	Solid	8021B	56876
880-30287-4	T-1 (3')	Total/NA	Solid	8021B	56876
880-30287-5	T-1 (4')	Total/NA	Solid	8021B	56876
880-30287-6	T-2 (0-1')	Total/NA	Solid	8021B	56876
880-30287-7	T-2 (1.5')	Total/NA	Solid	8021B	56876
880-30287-8	T-2 (2')	Total/NA	Solid	8021B	56876
880-30287-9	T-2 (3')	Total/NA	Solid	8021B	56876
880-30287-10	T-2 (3')	Total/NA	Solid	8021B	56876
880-30287-11	T-3 (0-1')	Total/NA	Solid	8021B	56876
880-30287-12	T-3 (1.5')	Total/NA	Solid	8021B	56876
880-30287-13	T-3 (2')	Total/NA	Solid	8021B	56876
880-30287-14	T-3 (3')	Total/NA	Solid	8021B	56876
880-30287-15	T-3 (4')	Total/NA	Solid	8021B	56876
880-30287-16	T-4 (0-1')	Total/NA	Solid	8021B	56876
880-30287-17	T-4 (1.5')	Total/NA	Solid	8021B	56876
880-30287-18	T-4 (2')	Total/NA	Solid	8021B	56876
880-30287-19	T-4 (3')	Total/NA	Solid	8021B	56876
880-30287-20	T-4 (4')	Total/NA	Solid	8021B	56876
MB 880-56874/5-A	Method Blank	Total/NA	Solid	8021B	56874
MB 880-56876/5-A	Method Blank	Total/NA	Solid	8021B	56876
LCS 880-56876/1-A	Lab Control Sample	Total/NA	Solid	8021B	56876
LCSD 880-56876/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	56876
880-30287-1 MS	T-1 (0-1')	Total/NA	Solid	8021B	56876
880-30287-1 MSD	T-1 (0-1')	Total/NA	Solid	8021B	56876

Analysis Batch: 56823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30287-21	T-5 (0-1')	Total/NA	Solid	8021B	56908
880-30287-22	T-5 (1.5')	Total/NA	Solid	8021B	56908
880-30287-23	T-5 (2')	Total/NA	Solid	8021B	56908
880-30287-24	T-5 (3')	Total/NA	Solid	8021B	56908
880-30287-25	T-5 (4')	Total/NA	Solid	8021B	56908
880-30287-26	T-5 (5')	Total/NA	Solid	8021B	56908
880-30287-27	T-5 (6')	Total/NA	Solid	8021B	56875
880-30287-28	T-5 (7')	Total/NA	Solid	8021B	56875
880-30287-29	T-5 (8')	Total/NA	Solid	8021B	56875
880-30287-30	T-5 (9')	Total/NA	Solid	8021B	56875
880-30287-31	T-5 (10')	Total/NA	Solid	8021B	56875
MB 880-56854/5-A	Method Blank	Total/NA	Solid	8021B	56854
MB 880-56875/5-A	Method Blank	Total/NA	Solid	8021B	56875
MB 880-56908/5-A	Method Blank	Total/NA	Solid	8021B	56908
LCS 880-56875/1-A	Lab Control Sample	Total/NA	Solid	8021B	56875
LCS 880-56908/1-A	Lab Control Sample	Total/NA	Solid	8021B	56908
LCSD 880-56875/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	56875
LCSD 880-56908/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	56908
880-30287-21 MS	T-5 (0-1')	Total/NA	Solid	8021B	56908
880-30287-21 MSD	T-5 (0-1')	Total/NA	Solid	8021B	56908

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

GC VOA

Prep Batch: 56854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-56854/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 56874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-56874/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 56875

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30287-27	T-5 (6')	Total/NA	Solid	5035	
880-30287-28	T-5 (7')	Total/NA	Solid	5035	
880-30287-29	T-5 (8')	Total/NA	Solid	5035	
880-30287-30	T-5 (9')	Total/NA	Solid	5035	
880-30287-31	T-5 (10')	Total/NA	Solid	5035	
MB 880-56875/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-56875/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-56875/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 56876

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30287-1	T-1 (0-1')	Total/NA	Solid	5035	
880-30287-2	T-1 (1.5')	Total/NA	Solid	5035	
880-30287-3	T-1 (2')	Total/NA	Solid	5035	
880-30287-4	T-1 (3')	Total/NA	Solid	5035	
880-30287-5	T-1 (4')	Total/NA	Solid	5035	
880-30287-6	T-2 (0-1')	Total/NA	Solid	5035	
880-30287-7	T-2 (1.5')	Total/NA	Solid	5035	
880-30287-8	T-2 (2')	Total/NA	Solid	5035	
880-30287-9	T-2 (3')	Total/NA	Solid	5035	
880-30287-10	T-2 (3')	Total/NA	Solid	5035	
880-30287-11	T-3 (0-1')	Total/NA	Solid	5035	
880-30287-12	T-3 (1.5')	Total/NA	Solid	5035	
880-30287-13	T-3 (2')	Total/NA	Solid	5035	
880-30287-14	T-3 (3')	Total/NA	Solid	5035	
880-30287-15	T-3 (4')	Total/NA	Solid	5035	
880-30287-16	T-4 (0-1')	Total/NA	Solid	5035	
880-30287-17	T-4 (1.5')	Total/NA	Solid	5035	
880-30287-18	T-4 (2')	Total/NA	Solid	5035	
880-30287-19	T-4 (3')	Total/NA	Solid	5035	
880-30287-20	T-4 (4')	Total/NA	Solid	5035	
MB 880-56876/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-56876/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-56876/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-30287-1 MS	T-1 (0-1')	Total/NA	Solid	5035	
880-30287-1 MSD	T-1 (0-1')	Total/NA	Solid	5035	

Prep Batch: 56908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30287-21	T-5 (0-1')	Total/NA	Solid	5035	
880-30287-22	T-5 (1.5')	Total/NA	Solid	5035	
880-30287-23	T-5 (2')	Total/NA	Solid	5035	
880-30287-24	T-5 (3)	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

GC VOA (Continued)

Prep Batch: 56908 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30287-25	T-5 (4')	Total/NA	Solid	5035	
880-30287-26	T-5 (5')	Total/NA	Solid	5035	
MB 880-56908/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-56908/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-56908/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-30287-21 MS	T-5 (0-1')	Total/NA	Solid	5035	
880-30287-21 MSD	T-5 (0-1')	Total/NA	Solid	5035	

Analysis Batch: 56994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30287-1	T-1 (0-1')	Total/NA	Solid	Total BTEX	
880-30287-2	T-1 (1.5')	Total/NA	Solid	Total BTEX	
880-30287-3	T-1 (2')	Total/NA	Solid	Total BTEX	
880-30287-4	T-1 (3')	Total/NA	Solid	Total BTEX	
880-30287-5	T-1 (4')	Total/NA	Solid	Total BTEX	
880-30287-6	T-2 (0-1')	Total/NA	Solid	Total BTEX	
880-30287-7	T-2 (1.5')	Total/NA	Solid	Total BTEX	
880-30287-8	T-2 (2')	Total/NA	Solid	Total BTEX	
880-30287-9	T-2 (3')	Total/NA	Solid	Total BTEX	
880-30287-10	T-2 (3')	Total/NA	Solid	Total BTEX	
880-30287-11	T-3 (0-1')	Total/NA	Solid	Total BTEX	
880-30287-12	T-3 (1.5')	Total/NA	Solid	Total BTEX	
880-30287-13	T-3 (2')	Total/NA	Solid	Total BTEX	
880-30287-14	T-3 (3')	Total/NA	Solid	Total BTEX	
880-30287-15	T-3 (4')	Total/NA	Solid	Total BTEX	
880-30287-16	T-4 (0-1')	Total/NA	Solid	Total BTEX	
880-30287-17	T-4 (1.5')	Total/NA	Solid	Total BTEX	
880-30287-18	T-4 (2')	Total/NA	Solid	Total BTEX	
880-30287-19	T-4 (3')	Total/NA	Solid	Total BTEX	
880-30287-20	T-4 (4')	Total/NA	Solid	Total BTEX	
880-30287-21	T-5 (0-1')	Total/NA	Solid	Total BTEX	
880-30287-22	T-5 (1.5')	Total/NA	Solid	Total BTEX	
880-30287-23	T-5 (2')	Total/NA	Solid	Total BTEX	
880-30287-24	T-5 (3')	Total/NA	Solid	Total BTEX	
880-30287-25	T-5 (4')	Total/NA	Solid	Total BTEX	
880-30287-26	T-5 (5')	Total/NA	Solid	Total BTEX	
880-30287-27	T-5 (6')	Total/NA	Solid	Total BTEX	
880-30287-28	T-5 (7')	Total/NA	Solid	Total BTEX	
880-30287-29	T-5 (8')	Total/NA	Solid	Total BTEX	
880-30287-30	T-5 (9')	Total/NA	Solid	Total BTEX	
880-30287-31	T-5 (10')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 56816

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30287-1	T-1 (0-1')	Total/NA	Solid	8015B NM	56914
880-30287-2	T-1 (1.5')	Total/NA	Solid	8015B NM	56914
MB 880-56914/1-A	Method Blank	Total/NA	Solid	8015B NM	56914
LCS 880-56914/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	56914
LCSD 880-56914/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	56914

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

GC Semi VOA (Continued)

Analysis Batch: 56816 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30284-A-9-C MS	Matrix Spike	Total/NA	Solid	8015B NM	56914
880-30284-A-9-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	56914

Prep Batch: 56914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30287-1	T-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-30287-2	T-1 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-56914/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-56914/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-56914/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-30284-A-9-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-30284-A-9-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 56947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30287-3	T-1 (2')	Total/NA	Solid	8015NM Prep	
880-30287-4	T-1 (3')	Total/NA	Solid	8015NM Prep	
880-30287-5	T-1 (4')	Total/NA	Solid	8015NM Prep	
880-30287-6	T-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-30287-7	T-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-30287-8	T-2 (2')	Total/NA	Solid	8015NM Prep	
880-30287-9	T-2 (3')	Total/NA	Solid	8015NM Prep	
880-30287-10	T-2 (3')	Total/NA	Solid	8015NM Prep	
880-30287-11	T-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-30287-12	T-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-30287-13	T-3 (2')	Total/NA	Solid	8015NM Prep	
880-30287-14	T-3 (3')	Total/NA	Solid	8015NM Prep	
880-30287-15	T-3 (4')	Total/NA	Solid	8015NM Prep	
880-30287-16	T-4 (0-1')	Total/NA	Solid	8015NM Prep	
880-30287-17	T-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-30287-18	T-4 (2')	Total/NA	Solid	8015NM Prep	
880-30287-19	T-4 (3')	Total/NA	Solid	8015NM Prep	
880-30287-20	T-4 (4')	Total/NA	Solid	8015NM Prep	
880-30287-21	T-5 (0-1')	Total/NA	Solid	8015NM Prep	
880-30287-22	T-5 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-56947/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-56947/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-56947/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-30287-3 MS	T-1 (2')	Total/NA	Solid	8015NM Prep	
880-30287-3 MSD	T-1 (2')	Total/NA	Solid	8015NM Prep	

Prep Batch: 56949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30287-23	T-5 (2')	Total/NA	Solid	8015NM Prep	
880-30287-24	T-5 (3)	Total/NA	Solid	8015NM Prep	
880-30287-25	T-5 (4')	Total/NA	Solid	8015NM Prep	
880-30287-26	T-5 (5')	Total/NA	Solid	8015NM Prep	
880-30287-27	T-5 (6')	Total/NA	Solid	8015NM Prep	
880-30287-28	T-5 (7')	Total/NA	Solid	8015NM Prep	
880-30287-29	T-5 (8')	Total/NA	Solid	8015NM Prep	
880-30287-30	T-5 (9')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

GC Semi VOA (Continued)

Prep Batch: 56949 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30287-31	T-5 (10')	Total/NA	Solid	8015NM Prep	
MB 880-56949/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-56949/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-56949/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-30287-23 MS	T-5 (2')	Total/NA	Solid	8015NM Prep	
880-30287-23 MSD	T-5 (2')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 56955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30287-3	T-1 (2')	Total/NA	Solid	8015B NM	56947
880-30287-4	T-1 (3')	Total/NA	Solid	8015B NM	56947
880-30287-5	T-1 (4')	Total/NA	Solid	8015B NM	56947
880-30287-6	T-2 (0-1')	Total/NA	Solid	8015B NM	56947
880-30287-7	T-2 (1.5')	Total/NA	Solid	8015B NM	56947
880-30287-8	T-2 (2')	Total/NA	Solid	8015B NM	56947
880-30287-9	T-2 (3')	Total/NA	Solid	8015B NM	56947
880-30287-10	T-2 (3')	Total/NA	Solid	8015B NM	56947
880-30287-11	T-3 (0-1')	Total/NA	Solid	8015B NM	56947
880-30287-12	T-3 (1.5')	Total/NA	Solid	8015B NM	56947
880-30287-13	T-3 (2')	Total/NA	Solid	8015B NM	56947
880-30287-14	T-3 (3')	Total/NA	Solid	8015B NM	56947
880-30287-15	T-3 (4')	Total/NA	Solid	8015B NM	56947
880-30287-16	T-4 (0-1')	Total/NA	Solid	8015B NM	56947
880-30287-17	T-4 (1.5')	Total/NA	Solid	8015B NM	56947
880-30287-18	T-4 (2')	Total/NA	Solid	8015B NM	56947
880-30287-19	T-4 (3')	Total/NA	Solid	8015B NM	56947
880-30287-20	T-4 (4')	Total/NA	Solid	8015B NM	56947
880-30287-21	T-5 (0-1')	Total/NA	Solid	8015B NM	56947
880-30287-22	T-5 (1.5')	Total/NA	Solid	8015B NM	56947
MB 880-56947/1-A	Method Blank	Total/NA	Solid	8015B NM	56947
LCS 880-56947/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	56947
LCSD 880-56947/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	56947
880-30287-3 MS	T-1 (2')	Total/NA	Solid	8015B NM	56947
880-30287-3 MSD	T-1 (2')	Total/NA	Solid	8015B NM	56947

Analysis Batch: 56957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30287-23	T-5 (2')	Total/NA	Solid	8015B NM	56949
880-30287-24	T-5 (3)	Total/NA	Solid	8015B NM	56949
880-30287-25	T-5 (4')	Total/NA	Solid	8015B NM	56949
880-30287-26	T-5 (5')	Total/NA	Solid	8015B NM	56949
880-30287-27	T-5 (6')	Total/NA	Solid	8015B NM	56949
880-30287-28	T-5 (7')	Total/NA	Solid	8015B NM	56949
880-30287-29	T-5 (8')	Total/NA	Solid	8015B NM	56949
880-30287-30	T-5 (9')	Total/NA	Solid	8015B NM	56949
880-30287-31	T-5 (10')	Total/NA	Solid	8015B NM	56949
MB 880-56949/1-A	Method Blank	Total/NA	Solid	8015B NM	56949
LCS 880-56949/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	56949
LCSD 880-56949/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	56949
880-30287-23 MS	T-5 (2')	Total/NA	Solid	8015B NM	56949
880-30287-23 MSD	T-5 (2')	Total/NA	Solid	8015B NM	56949

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QC Association Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

GC Semi VOA

Analysis Batch: 57034

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30287-1	T-1 (0-1')	Total/NA	Solid	8015 NM	
880-30287-2	T-1 (1.5')	Total/NA	Solid	8015 NM	
880-30287-3	T-1 (2')	Total/NA	Solid	8015 NM	
880-30287-4	T-1 (3')	Total/NA	Solid	8015 NM	
880-30287-5	T-1 (4')	Total/NA	Solid	8015 NM	
880-30287-6	T-2 (0-1')	Total/NA	Solid	8015 NM	
880-30287-7	T-2 (1.5')	Total/NA	Solid	8015 NM	
880-30287-8	T-2 (2')	Total/NA	Solid	8015 NM	
880-30287-9	T-2 (3')	Total/NA	Solid	8015 NM	
880-30287-10	T-2 (3')	Total/NA	Solid	8015 NM	
880-30287-11	T-3 (0-1')	Total/NA	Solid	8015 NM	
880-30287-12	T-3 (1.5')	Total/NA	Solid	8015 NM	
880-30287-13	T-3 (2')	Total/NA	Solid	8015 NM	
880-30287-14	T-3 (3')	Total/NA	Solid	8015 NM	
880-30287-15	T-3 (4')	Total/NA	Solid	8015 NM	
880-30287-16	T-4 (0-1')	Total/NA	Solid	8015 NM	
880-30287-17	T-4 (1.5')	Total/NA	Solid	8015 NM	
880-30287-18	T-4 (2')	Total/NA	Solid	8015 NM	
880-30287-19	T-4 (3')	Total/NA	Solid	8015 NM	
880-30287-20	T-4 (4')	Total/NA	Solid	8015 NM	
880-30287-21	T-5 (0-1')	Total/NA	Solid	8015 NM	
880-30287-22	T-5 (1.5')	Total/NA	Solid	8015 NM	
880-30287-23	T-5 (2')	Total/NA	Solid	8015 NM	
880-30287-24	T-5 (3)	Total/NA	Solid	8015 NM	
880-30287-25	T-5 (4')	Total/NA	Solid	8015 NM	
880-30287-26	T-5 (5')	Total/NA	Solid	8015 NM	
880-30287-27	T-5 (6')	Total/NA	Solid	8015 NM	
880-30287-28	T-5 (7')	Total/NA	Solid	8015 NM	
880-30287-29	T-5 (8')	Total/NA	Solid	8015 NM	
880-30287-30	T-5 (9')	Total/NA	Solid	8015 NM	
880-30287-31	T-5 (10')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 57020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30287-1	T-1 (0-1')	Soluble	Solid	DI Leach	
880-30287-2	T-1 (1.5')	Soluble	Solid	DI Leach	
880-30287-3	T-1 (2')	Soluble	Solid	DI Leach	
880-30287-4	T-1 (3')	Soluble	Solid	DI Leach	
880-30287-5	T-1 (4')	Soluble	Solid	DI Leach	
880-30287-6	T-2 (0-1')	Soluble	Solid	DI Leach	
MB 880-57020/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-57020/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-57020/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-30287-2 MS	T-1 (1.5')	Soluble	Solid	DI Leach	
880-30287-2 MSD	T-1 (1.5')	Soluble	Solid	DI Leach	

Leach Batch: 57021

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30287-7	T-2 (1.5')	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

HPLC/IC (Continued)

Leach Batch: 57021 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30287-8	T-2 (2')	Soluble	Solid	DI Leach	
880-30287-9	T-2 (3')	Soluble	Solid	DI Leach	
880-30287-10	T-2 (3')	Soluble	Solid	DI Leach	
880-30287-11	T-3 (0-1')	Soluble	Solid	DI Leach	
880-30287-12	T-3 (1.5')	Soluble	Solid	DI Leach	
880-30287-13	T-3 (2')	Soluble	Solid	DI Leach	
880-30287-14	T-3 (3')	Soluble	Solid	DI Leach	
880-30287-15	T-3 (4')	Soluble	Solid	DI Leach	
880-30287-16	T-4 (0-1')	Soluble	Solid	DI Leach	
880-30287-17	T-4 (1.5')	Soluble	Solid	DI Leach	
880-30287-18	T-4 (2')	Soluble	Solid	DI Leach	
880-30287-19	T-4 (3')	Soluble	Solid	DI Leach	
880-30287-20	T-4 (4')	Soluble	Solid	DI Leach	
880-30287-21	T-5 (0-1')	Soluble	Solid	DI Leach	
880-30287-22	T-5 (1.5')	Soluble	Solid	DI Leach	
880-30287-23	T-5 (2')	Soluble	Solid	DI Leach	
880-30287-24	T-5 (3)	Soluble	Solid	DI Leach	
880-30287-25	T-5 (4')	Soluble	Solid	DI Leach	
880-30287-26	T-5 (5')	Soluble	Solid	DI Leach	
MB 880-57021/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-57021/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-57021/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-30287-7 MS	T-2 (1.5')	Soluble	Solid	DI Leach	
880-30287-7 MSD	T-2 (1.5')	Soluble	Solid	DI Leach	
880-30287-17 MS	T-4 (1.5')	Soluble	Solid	DI Leach	
880-30287-17 MSD	T-4 (1.5')	Soluble	Solid	DI Leach	

Leach Batch: 57022

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30287-27	T-5 (6')	Soluble	Solid	DI Leach	
880-30287-28	T-5 (7')	Soluble	Solid	DI Leach	
880-30287-29	T-5 (8')	Soluble	Solid	DI Leach	
880-30287-30	T-5 (9')	Soluble	Solid	DI Leach	
880-30287-31	T-5 (10')	Soluble	Solid	DI Leach	
MB 880-57022/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-57022/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-57022/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-30287-27 MS	T-5 (6')	Soluble	Solid	DI Leach	
880-30287-27 MSD	T-5 (6')	Soluble	Solid	DI Leach	

Analysis Batch: 57070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30287-1	T-1 (0-1')	Soluble	Solid	300.0	57020
880-30287-2	T-1 (1.5')	Soluble	Solid	300.0	57020
880-30287-3	T-1 (2')	Soluble	Solid	300.0	57020
880-30287-4	T-1 (3')	Soluble	Solid	300.0	57020
880-30287-5	T-1 (4')	Soluble	Solid	300.0	57020
880-30287-6	T-2 (0-1')	Soluble	Solid	300.0	57020
MB 880-57020/1-A	Method Blank	Soluble	Solid	300.0	57020
LCS 880-57020/2-A	Lab Control Sample	Soluble	Solid	300.0	57020
LCSD 880-57020/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	57020

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QC Association Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

HPLC/IC (Continued)

Analysis Batch: 57070 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30287-2 MS	T-1 (1.5')	Soluble	Solid	300.0	57020
880-30287-2 MSD	T-1 (1.5')	Soluble	Solid	300.0	57020

Analysis Batch: 57073

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30287-27	T-5 (6')	Soluble	Solid	300.0	57022
880-30287-28	T-5 (7')	Soluble	Solid	300.0	57022
880-30287-29	T-5 (8')	Soluble	Solid	300.0	57022
880-30287-30	T-5 (9')	Soluble	Solid	300.0	57022
880-30287-31	T-5 (10')	Soluble	Solid	300.0	57022
MB 880-57022/1-A	Method Blank	Soluble	Solid	300.0	57022
LCS 880-57022/2-A	Lab Control Sample	Soluble	Solid	300.0	57022
LCSD 880-57022/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	57022
880-30287-27 MS	T-5 (6')	Soluble	Solid	300.0	57022
880-30287-27 MSD	T-5 (6')	Soluble	Solid	300.0	57022

Analysis Batch: 57074

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30287-7	T-2 (1.5')	Soluble	Solid	300.0	57021
880-30287-8	T-2 (2')	Soluble	Solid	300.0	57021
880-30287-9	T-2 (3')	Soluble	Solid	300.0	57021
880-30287-10	T-2 (3')	Soluble	Solid	300.0	57021
880-30287-11	T-3 (0-1')	Soluble	Solid	300.0	57021
880-30287-12	T-3 (1.5')	Soluble	Solid	300.0	57021
880-30287-13	T-3 (2')	Soluble	Solid	300.0	57021
880-30287-14	T-3 (3')	Soluble	Solid	300.0	57021
880-30287-15	T-3 (4')	Soluble	Solid	300.0	57021
880-30287-16	T-4 (0-1')	Soluble	Solid	300.0	57021
880-30287-17	T-4 (1.5')	Soluble	Solid	300.0	57021
880-30287-18	T-4 (2')	Soluble	Solid	300.0	57021
880-30287-19	T-4 (3')	Soluble	Solid	300.0	57021
880-30287-20	T-4 (4')	Soluble	Solid	300.0	57021
880-30287-21	T-5 (0-1')	Soluble	Solid	300.0	57021
880-30287-22	T-5 (1.5')	Soluble	Solid	300.0	57021
880-30287-23	T-5 (2')	Soluble	Solid	300.0	57021
880-30287-24	T-5 (3')	Soluble	Solid	300.0	57021
880-30287-25	T-5 (4')	Soluble	Solid	300.0	57021
880-30287-26	T-5 (5')	Soluble	Solid	300.0	57021
MB 880-57021/1-A	Method Blank	Soluble	Solid	300.0	57021
LCS 880-57021/2-A	Lab Control Sample	Soluble	Solid	300.0	57021
LCSD 880-57021/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	57021
880-30287-7 MS	T-2 (1.5')	Soluble	Solid	300.0	57021
880-30287-7 MSD	T-2 (1.5')	Soluble	Solid	300.0	57021
880-30287-17 MS	T-4 (1.5')	Soluble	Solid	300.0	57021
880-30287-17 MSD	T-4 (1.5')	Soluble	Solid	300.0	57021

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

Client Sample ID: T-1 (0-1')
Date Collected: 06/29/23 00:00
Date Received: 07/03/23 09:04

Lab Sample ID: 880-30287-1
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	56876	07/03/23 10:48	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56821	07/04/23 16:18	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56994	07/05/23 12:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			57034	07/05/23 15:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	56914	07/03/23 13:34	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56816	07/04/23 01:36	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	57020	07/05/23 15:30	KS	EET MID
Soluble	Analysis	300.0		10			57070	07/06/23 21:49	CH	EET MID

Client Sample ID: T-1 (1.5')
Date Collected: 06/29/23 00:00
Date Received: 07/03/23 09:04

Lab Sample ID: 880-30287-2
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			4.95 g	5 mL	56876	07/03/23 10:48	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56821	07/04/23 16:44	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56994	07/05/23 12:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			57034	07/05/23 15:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	56914	07/03/23 13:34	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56816	07/04/23 10:31	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	57020	07/05/23 15:30	KS	EET MID
Soluble	Analysis	300.0		10			57070	07/06/23 21:54	CH	EET MID

Client Sample ID: T-1 (2')
Date Collected: 06/29/23 00:00
Date Received: 07/03/23 09:04

Lab Sample ID: 880-30287-3
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			4.96 g	5 mL	56876	07/03/23 10:48	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56821	07/04/23 17:11	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56994	07/05/23 12:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			57034	07/06/23 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	56947	07/05/23 08:44	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56955	07/05/23 13:50	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	57020	07/05/23 15:30	KS	EET MID
Soluble	Analysis	300.0		1			57070	07/06/23 22:11	CH	EET MID

Client Sample ID: T-1 (3')
Date Collected: 06/29/23 00:00
Date Received: 07/03/23 09:04

Lab Sample ID: 880-30287-4
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			5.02 g	5 mL	56876	07/03/23 10:48	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56821	07/04/23 17:38	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56994	07/05/23 12:58	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

Client Sample ID: T-1 (3')

Lab Sample ID: 880-30287-4

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			57034	07/06/23 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	56947	07/05/23 08:44	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56955	07/05/23 15:05	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	57020	07/05/23 15:30	KS	EET MID
Soluble	Analysis	300.0		1			57070	07/06/23 22:16	CH	EET MID

Client Sample ID: T-1 (4')

Lab Sample ID: 880-30287-5

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	56876	07/03/23 10:48	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56821	07/04/23 18:05	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56994	07/05/23 12:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			57034	07/06/23 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	56947	07/05/23 08:44	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56955	07/05/23 15:29	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	57020	07/05/23 15:30	KS	EET MID
Soluble	Analysis	300.0		1			57070	07/06/23 22:33	CH	EET MID

Client Sample ID: T-2 (0-1')

Lab Sample ID: 880-30287-6

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	56876	07/03/23 10:48	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56821	07/04/23 18:32	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56994	07/05/23 12:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			57034	07/06/23 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	56947	07/05/23 08:44	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56955	07/05/23 15:53	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	57020	07/05/23 15:30	KS	EET MID
Soluble	Analysis	300.0		20			57070	07/06/23 22:39	CH	EET MID

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-30287-7

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	56876	07/03/23 10:48	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56821	07/04/23 18:59	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56994	07/05/23 12:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			57034	07/06/23 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	56947	07/05/23 08:44	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56955	07/05/23 16:18	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

Client Sample ID: T-2 (1.5')
Date Collected: 06/29/23 00:00
Date Received: 07/03/23 09:04

Lab Sample ID: 880-30287-7
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			5.04 g	50 mL	57021	07/05/23 15:32	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	57074	07/06/23 22:02	CH	EET MID

Client Sample ID: T-2 (2')
Date Collected: 06/29/23 00:00
Date Received: 07/03/23 09:04

Lab Sample ID: 880-30287-8
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			4.99 g	5 mL	56876	07/03/23 10:48	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56821	07/04/23 19:25	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56994	07/05/23 12:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			57034	07/06/23 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	56947	07/05/23 08:44	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56955	07/05/23 16:42	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	57021	07/05/23 15:32	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	57074	07/06/23 22:17	CH	EET MID

Client Sample ID: T-2 (3')
Date Collected: 06/29/23 00:00
Date Received: 07/03/23 09:04

Lab Sample ID: 880-30287-9
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	56876	07/03/23 10:48	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56821	07/04/23 19:52	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56994	07/05/23 12:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			57034	07/06/23 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	56947	07/05/23 08:44	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56955	07/05/23 17:07	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	57021	07/05/23 15:32	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	57074	07/06/23 22:22	CH	EET MID

Client Sample ID: T-2 (3')
Date Collected: 06/29/23 00:00
Date Received: 07/03/23 09:04

Lab Sample ID: 880-30287-10
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	56876	07/03/23 10:48	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56821	07/04/23 20:19	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56994	07/05/23 12:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			57034	07/06/23 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	56947	07/05/23 08:44	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56955	07/05/23 17:32	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	57021	07/05/23 15:32	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	57074	07/06/23 22:27	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

Client Sample ID: T-3 (0-1')
Date Collected: 06/29/23 00:00
Date Received: 07/03/23 09:04

Lab Sample ID: 880-30287-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	56876	07/03/23 10:48	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56821	07/04/23 22:32	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56994	07/05/23 12:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			57034	07/06/23 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	56947	07/05/23 08:44	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56955	07/05/23 17:57	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	57021	07/05/23 15:32	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	57074	07/06/23 22:32	CH	EET MID

Client Sample ID: T-3 (1.5')
Date Collected: 06/29/23 00:00
Date Received: 07/03/23 09:04

Lab Sample ID: 880-30287-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	56876	07/03/23 10:48	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56821	07/04/23 22:59	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56994	07/05/23 12:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			57034	07/06/23 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	56947	07/05/23 08:44	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56955	07/05/23 18:21	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	57021	07/05/23 15:32	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	57074	07/06/23 22:48	CH	EET MID

Client Sample ID: T-3 (2')
Date Collected: 06/29/23 00:00
Date Received: 07/03/23 09:04

Lab Sample ID: 880-30287-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	56876	07/03/23 10:48	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56821	07/04/23 23:26	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56994	07/05/23 12:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			57034	07/06/23 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	56947	07/05/23 08:44	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56955	07/05/23 19:10	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	57021	07/05/23 15:32	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	57074	07/06/23 22:53	CH	EET MID

Client Sample ID: T-3 (3')
Date Collected: 06/29/23 00:00
Date Received: 07/03/23 09:04

Lab Sample ID: 880-30287-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	56876	07/03/23 10:48	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56821	07/04/23 23:52	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56994	07/05/23 12:58	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

Client Sample ID: T-3 (3')
Date Collected: 06/29/23 00:00
Date Received: 07/03/23 09:04

Lab Sample ID: 880-30287-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			57034	07/06/23 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	56947	07/05/23 08:44	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56955	07/05/23 19:34	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	57021	07/05/23 15:32	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	57074	07/06/23 22:58	CH	EET MID

Client Sample ID: T-3 (4')
Date Collected: 06/29/23 00:00
Date Received: 07/03/23 09:04

Lab Sample ID: 880-30287-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	56876	07/03/23 10:48	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56821	07/05/23 00:19	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56994	07/05/23 12:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			57034	07/06/23 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	56947	07/05/23 08:44	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56955	07/05/23 19:58	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	57021	07/05/23 15:32	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	57074	07/06/23 23:03	CH	EET MID

Client Sample ID: T-4 (0-1')
Date Collected: 06/29/23 00:00
Date Received: 07/03/23 09:04

Lab Sample ID: 880-30287-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	56876	07/03/23 10:48	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56821	07/05/23 00:46	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56994	07/05/23 12:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			57034	07/06/23 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	56947	07/05/23 08:44	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56955	07/05/23 20:23	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	57021	07/05/23 15:32	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	57074	07/06/23 23:08	CH	EET MID

Client Sample ID: T-4 (1.5')
Date Collected: 06/29/23 00:00
Date Received: 07/03/23 09:04

Lab Sample ID: 880-30287-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	56876	07/03/23 10:48	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56821	07/05/23 01:12	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56994	07/05/23 12:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			57034	07/06/23 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	56947	07/05/23 08:44	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56955	07/05/23 20:47	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

Client Sample ID: T-4 (1.5')
Date Collected: 06/29/23 00:00
Date Received: 07/03/23 09:04

Lab Sample ID: 880-30287-17
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			5.03 g	50 mL	57021	07/05/23 15:32	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	57074	07/06/23 23:14	CH	EET MID

Client Sample ID: T-4 (2')
Date Collected: 06/29/23 00:00
Date Received: 07/03/23 09:04

Lab Sample ID: 880-30287-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	56876	07/03/23 10:48	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56821	07/05/23 01:39	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56994	07/05/23 12:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			57034	07/06/23 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	56947	07/05/23 08:44	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56955	07/05/23 21:11	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	57021	07/05/23 15:32	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	57074	07/06/23 23:29	CH	EET MID

Client Sample ID: T-4 (3')
Date Collected: 06/29/23 00:00
Date Received: 07/03/23 09:04

Lab Sample ID: 880-30287-19
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	56876	07/03/23 10:48	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56821	07/05/23 02:06	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56994	07/05/23 12:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			57034	07/06/23 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	56947	07/05/23 08:44	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56955	07/05/23 21:35	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	57021	07/05/23 15:32	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	57074	07/06/23 23:34	CH	EET MID

Client Sample ID: T-4 (4')
Date Collected: 06/29/23 00:00
Date Received: 07/03/23 09:04

Lab Sample ID: 880-30287-20
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			4.96 g	5 mL	56876	07/03/23 10:48	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56821	07/05/23 02:33	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56994	07/05/23 12:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			57034	07/06/23 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	56947	07/05/23 08:44	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56955	07/06/23 06:40	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	57021	07/05/23 15:32	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	57074	07/07/23 12:10	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

Client Sample ID: T-5 (0-1')
Date Collected: 06/29/23 00:00
Date Received: 07/03/23 09:04

Lab Sample ID: 880-30287-21
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			4.96 g	5 mL	56908	07/03/23 12:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56823	07/04/23 00:12	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56994	07/05/23 12:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			57034	07/06/23 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	56947	07/05/23 08:44	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56955	07/06/23 07:02	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	57021	07/05/23 15:32	KS	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	57074	07/06/23 23:55	CH	EET MID

Client Sample ID: T-5 (1.5')
Date Collected: 06/29/23 00:00
Date Received: 07/03/23 09:04

Lab Sample ID: 880-30287-22
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	56908	07/03/23 12:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56823	07/04/23 00:33	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56994	07/05/23 12:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			57034	07/06/23 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	56947	07/05/23 08:44	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56955	07/06/23 07:24	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	57021	07/05/23 15:32	KS	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	57074	07/07/23 00:00	CH	EET MID

Client Sample ID: T-5 (2')
Date Collected: 06/29/23 00:00
Date Received: 07/03/23 09:04

Lab Sample ID: 880-30287-23
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	56908	07/03/23 12:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56823	07/04/23 00:54	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56994	07/05/23 12:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			57034	07/06/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	56949	07/05/23 08:47	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56957	07/05/23 13:50	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	57021	07/05/23 15:32	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	57074	07/07/23 00:05	CH	EET MID

Client Sample ID: T-5 (3)
Date Collected: 06/29/23 00:00
Date Received: 07/03/23 09:04

Lab Sample ID: 880-30287-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	56908	07/03/23 12:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56823	07/04/23 01:15	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56994	07/05/23 12:23	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

Client Sample ID: T-5 (3)
Date Collected: 06/29/23 00:00
Date Received: 07/03/23 09:04

Lab Sample ID: 880-30287-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			57034	07/06/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	56949	07/05/23 08:47	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56957	07/05/23 15:05	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	57021	07/05/23 15:32	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	57074	07/07/23 00:10	CH	EET MID

Client Sample ID: T-5 (4')
Date Collected: 06/29/23 00:00
Date Received: 07/03/23 09:04

Lab Sample ID: 880-30287-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	56908	07/03/23 12:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56823	07/04/23 01:36	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56994	07/05/23 12:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			57034	07/06/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	56949	07/05/23 08:47	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56957	07/05/23 15:29	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	57021	07/05/23 15:32	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	57074	07/07/23 00:15	CH	EET MID

Client Sample ID: T-5 (5')
Date Collected: 06/29/23 00:00
Date Received: 07/03/23 09:04

Lab Sample ID: 880-30287-26
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	56908	07/03/23 12:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56823	07/04/23 01:56	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56994	07/05/23 12:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			57034	07/06/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	56949	07/05/23 08:47	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56957	07/05/23 15:53	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	57021	07/05/23 15:32	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	57074	07/07/23 00:21	CH	EET MID

Client Sample ID: T-5 (6')
Date Collected: 06/29/23 00:00
Date Received: 07/03/23 09:04

Lab Sample ID: 880-30287-27
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	56875	07/03/23 10:43	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56823	07/04/23 17:21	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56994	07/05/23 12:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			57034	07/06/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	56949	07/05/23 08:47	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56957	07/05/23 16:18	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

Client Sample ID: T-5 (6')

Date Collected: 06/29/23 00:00

Date Received: 07/03/23 09:04

Lab Sample ID: 880-30287-27

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			5.05 g	50 mL	57022	07/05/23 15:34	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	57073	07/06/23 19:02	CH	EET MID

Client Sample ID: T-5 (7')

Date Collected: 06/29/23 00:00

Date Received: 07/03/23 09:04

Lab Sample ID: 880-30287-28

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	56875	07/03/23 10:43	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56823	07/04/23 17:42	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56994	07/05/23 12:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			57034	07/06/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	56949	07/05/23 08:47	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56957	07/05/23 16:42	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	57022	07/05/23 15:34	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	57073	07/06/23 19:17	CH	EET MID

Client Sample ID: T-5 (8')

Date Collected: 06/29/23 00:00

Date Received: 07/03/23 09:04

Lab Sample ID: 880-30287-29

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	56875	07/03/23 10:43	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56823	07/04/23 18:03	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56994	07/05/23 12:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			57034	07/06/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	56949	07/05/23 08:47	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56957	07/05/23 17:07	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	57022	07/05/23 15:34	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	57073	07/06/23 19:22	CH	EET MID

Client Sample ID: T-5 (9')

Date Collected: 06/29/23 00:00

Date Received: 07/03/23 09:04

Lab Sample ID: 880-30287-30

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	56875	07/03/23 10:43	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56823	07/04/23 18:24	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56994	07/05/23 12:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			57034	07/06/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	56949	07/05/23 08:47	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56957	07/05/23 17:32	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	57022	07/05/23 15:34	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	57073	07/06/23 19:28	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

Client Sample ID: T-5 (10')
Date Collected: 06/29/23 00:00
Date Received: 07/03/23 09:04

Lab Sample ID: 880-30287-31
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			5.05 g	5 mL	56875	07/03/23 10:43	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56823	07/04/23 18:45	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56994	07/05/23 12:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			57034	07/06/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	56949	07/05/23 08:47	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56957	07/05/23 17:57	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	57022	07/05/23 15:34	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	57073	07/06/23 19:33	CH	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

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	T104704400-23-26	06-30-24
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

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: Riverbend 12-13 Federal Com 33H

Job ID: 880-30287-1
SDG: Eddy County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-30287-1	T-1 (0-1')	Solid	06/29/23 00:00	07/03/23 09:04
880-30287-2	T-1 (1.5')	Solid	06/29/23 00:00	07/03/23 09:04
880-30287-3	T-1 (2')	Solid	06/29/23 00:00	07/03/23 09:04
880-30287-4	T-1 (3')	Solid	06/29/23 00:00	07/03/23 09:04
880-30287-5	T-1 (4')	Solid	06/29/23 00:00	07/03/23 09:04
880-30287-6	T-2 (0-1')	Solid	06/29/23 00:00	07/03/23 09:04
880-30287-7	T-2 (1.5')	Solid	06/29/23 00:00	07/03/23 09:04
880-30287-8	T-2 (2')	Solid	06/29/23 00:00	07/03/23 09:04
880-30287-9	T-2 (3')	Solid	06/29/23 00:00	07/03/23 09:04
880-30287-10	T-2 (3')	Solid	06/29/23 00:00	07/03/23 09:04
880-30287-11	T-3 (0-1')	Solid	06/29/23 00:00	07/03/23 09:04
880-30287-12	T-3 (1.5')	Solid	06/29/23 00:00	07/03/23 09:04
880-30287-13	T-3 (2')	Solid	06/29/23 00:00	07/03/23 09:04
880-30287-14	T-3 (3')	Solid	06/29/23 00:00	07/03/23 09:04
880-30287-15	T-3 (4')	Solid	06/29/23 00:00	07/03/23 09:04
880-30287-16	T-4 (0-1')	Solid	06/29/23 00:00	07/03/23 09:04
880-30287-17	T-4 (1.5')	Solid	06/29/23 00:00	07/03/23 09:04
880-30287-18	T-4 (2')	Solid	06/29/23 00:00	07/03/23 09:04
880-30287-19	T-4 (3')	Solid	06/29/23 00:00	07/03/23 09:04
880-30287-20	T-4 (4')	Solid	06/29/23 00:00	07/03/23 09:04
880-30287-21	T-5 (0-1')	Solid	06/29/23 00:00	07/03/23 09:04
880-30287-22	T-5 (1.5')	Solid	06/29/23 00:00	07/03/23 09:04
880-30287-23	T-5 (2')	Solid	06/29/23 00:00	07/03/23 09:04
880-30287-24	T-5 (3)	Solid	06/29/23 00:00	07/03/23 09:04
880-30287-25	T-5 (4')	Solid	06/29/23 00:00	07/03/23 09:04
880-30287-26	T-5 (5')	Solid	06/29/23 00:00	07/03/23 09:04
880-30287-27	T-5 (6')	Solid	06/29/23 00:00	07/03/23 09:04
880-30287-28	T-5 (7')	Solid	06/29/23 00:00	07/03/23 09:04
880-30287-29	T-5 (8')	Solid	06/29/23 00:00	07/03/23 09:04
880-30287-30	T-5 (9')	Solid	06/29/23 00:00	07/03/23 09:04
880-30287-31	T-5 (10')	Solid	06/29/23 00:00	07/03/23 09:04

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880-30287 Chain of Custody

Project Manager	Ashton Thielke	Bill to: (if different)	Laci Luig
Company Name	Carmona Resources	Company Name	Cimarex Energy
Address	310 W Wall St Ste 500	Address	600 N Marlenfield 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 ☐ Crownfields ☐ RC ☐ Spentfund
State of Project:	
Reporting Level II	☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐
Deliverables EDD	☐ ADAPT ☐ Other

Project Name	Riverbend 12-13 Federal Com 33H	Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes				
Project Number	2059	☒ Routine ☐ Rush			None	NO	DI Water	H ₂ O													
Project Location	Eddy County, New Mexico	Due Date	Normal												Cool	Cool	MeOH	Me			
Sampler's Name	GP/JJR														HCL	HC	HNO ₃	HN			
PO #															H ₂ SO ₄	H ₂	NaOH	Na			
SAMPLE RECEIPT	Temp Blank.	Yes	No	Wet Ice	Yes	No	Parameters								H ₃ PO ₄	HP					
	Received Intact	Yes	No	Thermometer ID		108	BTEx 8021B								NaHSO ₄	NABIS					
	Cooler Custody Seals	Yes	No	Correction Factor		0.3	TPH 8015M (GRO + DRO + MRO)								Na ₂ S ₂ O ₃	NaSO ₃					
	Sample Custody Seals	Yes	No	Temperature Reading		1.3	Chloride 300.0								Zn Acetate+NaOH	Zn					
	Total Containers	Yes	No	Corrected Temperature		1.0									NaOH+Ascorbic Acid	SAPC					
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
T-1 (0-1')		6/29/2023		X		G	1	X	X	X											
T-1 (1-5')		6/29/2023		X		G	1	X	X	X											
T-1 (2')		6/29/2023		X		G	1	X	X	X											
T-1 (3')		6/29/2023		X		G	1	X	X	X											
T-1 (4')		6/29/2023		X		G	1	X	X	X											
T-2 (0-1')		6/29/2023		X		G	1	X	X	X											
T-2 (1-5')		6/29/2023		X		G	1	X	X	X											
T-2 (2')		6/29/2023		X		G	1	X	X	X											
T-2 (3')		6/29/2023		X		G	1	X	X	X											
T-2 (4')		6/29/2023		X		G	1	X	X	X											

Comments:

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	7/3/23		7/3/23
			904

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Work Order No: 302807

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Project Manager	Ashton Thielke	Bill to: (if different)	Laci Luig
Company Name	Camrona Resources	Company Name	Cimarex Energy
Address	310 W Wall St Ste 500	Address	600 N Marlenfield 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 Name	Riverbend 12-13 Federal Com 33H	Turn Around	☐ Routine ☐ Rush	Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number	2059																None NO	DI Water H ₂ O	
Project Location	Eddy County, New Mexico	Due Date	Normal														Cool Cool	MeOH Me	
Sampler's Name	GP/JJR																HCL HC	HNO ₃ HN	
PO #																	H ₂ SO ₄ H ₂	NaOH Na	
SAMPLE RECEIPT	Temp Blank	Yes No	Thermometer ID	Well Ice	Yes No													H ₃ PO ₄ HP	
Received Intact	Yes No		Correction Factor															NaHSO ₄ NABIS	
Cooler Custody Seals	Yes No N/A		Temperature Reading															Na ₂ S ₂ O ₃ NaSO ₃	
Sample Custody Seals	Yes No N/A		Corrected Temperature															Zn Acetate+NaOH Zn	
Total Containers																		NaOH+Ascorbic Acid SAPC	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters												Sample Comments	
T-3 (0-1')	6/29/2023		X		G	1	BTX 8021B													
T-3 (1 5')	6/29/2023		X		G	1	TPH 8015M (GRO + DRO + MRO)													
T-3 (2)	6/29/2023		X		G	1	Chloride 300.0													
T-3 (3)	6/29/2023		X		G	1														
T-3 (4)	6/29/2023		X		G	1														
T-4 (0-1')	6/29/2023		X		G	1														
T-4 (1 5')	6/29/2023		X		G	1														
T-4 (2)	6/29/2023		X		G	1														
T-4 (3)	6/29/2023		X		G	1														
T-4 (4)	6/29/2023				G	1														

Comments:

Relinquished by (Signature)		Date/Time	7/3/23	Received by (Signature)	Date/Time

Work Order No: 30987

Page 3 of 4

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

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

Project Name	Riverbend 12-13 Federal Com 33H	Turn Around	☒ Routine ☐ Rush	Pres. Code		ANALYSIS REQUEST												Preservative Codes	
Project Number	2059	Due Date		Normal														None NO	DI Water H ₂ O
Project Location	Eddy County, New Mexico	Due Date		Normal														Cool Cool	MeOH Me
Sampler's Name	GP/JJR	Due Date		Normal														HCL, HC	HNO ₃ , HN
PO #		Due Date		Normal														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																NaHSO ₄ , NABIS	
Cooler Custody Seals	Yes No N/A	Correction Factor																Na ₂ S ₂ O ₃ , NaSO ₃	
Sample Custody Seals	Yes No N/A	Temperature Reading																Zn Acetate+NaOH Zn	
Total Containers		Corrected Temperature																NaOH+Ascorbic Acid SAPC	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters												Sample Comments	
T-5 (0-1')	6/29/2023		X		G	1	X	X	X											
T-5 (1-5')	6/29/2023		X		G	1	X	X	X											
T-5 (2')	6/29/2023		X		G	1	X	X	X											
T-5 (3')	6/29/2023		X		G	1	X	X	X											
T-5 (4')	6/29/2023		X		G	1	X	X	X											
T-5 (5')	6/29/2023		X		G	1	X	X	X											
T-5 (6')	6/29/2023		X		G	1	X	X	X											
T-5 (7')	6/29/2023		X		G	1	X	X	X											
T-5 (8')	6/29/2023		X		G	1	X	X	X											
T-5 (9')	6/29/2023		X		G	1	X	X	X											

Comments:

Relinquished by (Signature)		Date/Time	7/3/23	Received by (Signature)	Date/Time

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

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

Work Order No: 30387

[illegible]

Comments:

[illegible]

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-30287-1

SDG Number: Eddy County NM

Login Number: 30287

List Number: 1

List Source: Eurofins Midland

Creator: Kramer, Jessica

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.	True	
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 7/7/2023 3:10:41 PM

JOB DESCRIPTION

Riverbend 12-13 Federal Com 33H
SDG NUMBER Eddy County NM

JOB NUMBER

880-30284-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



Generated
7/7/2023 3:10:41 PM

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

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Laboratory Job ID: 880-30284-1
SDG: Eddy County NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30284-1
SDG: Eddy County NM

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
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.
α	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/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30284-1
SDG: Eddy County NM

Job ID: 880-30284-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-30284-1

Receipt

The samples were received on 7/3/2023 9:04 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.0°C

GC VOA

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-56816/31) and (LCS 880-56914/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-56914 and analytical batch 880-56816 was outside the upper control limits.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-57020 and analytical batch 880-57070 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30284-1
SDG: Eddy County NM

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

Lab Sample ID: 880-30284-1

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/03/23 10:43	07/04/23 12:26	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/03/23 10:43	07/04/23 12:26	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/03/23 10:43	07/04/23 12:26	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/03/23 10:43	07/04/23 12:26	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/03/23 10:43	07/04/23 12:26	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/03/23 10:43	07/04/23 12:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	07/03/23 10:43	07/04/23 12:26	1
1,4-Difluorobenzene (Surr)	111		70 - 130	07/03/23 10:43	07/04/23 12:26	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			07/05/23 12:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/05/23 15:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/03/23 13:34	07/03/23 22:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/03/23 13:34	07/03/23 22:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/03/23 13:34	07/03/23 22:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	07/03/23 13:34	07/03/23 22:35	1
o-Terphenyl	114		70 - 130	07/03/23 13:34	07/03/23 22:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	185	F1	4.96		mg/Kg			07/06/23 20:37	1

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

Lab Sample ID: 880-30284-2

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/03/23 10:43	07/04/23 12:47	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/03/23 10:43	07/04/23 12:47	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/03/23 10:43	07/04/23 12:47	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/03/23 10:43	07/04/23 12:47	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/03/23 10:43	07/04/23 12:47	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/03/23 10:43	07/04/23 12:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	07/03/23 10:43	07/04/23 12:47	1
1,4-Difluorobenzene (Surr)	109		70 - 130	07/03/23 10:43	07/04/23 12:47	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30284-1
SDG: Eddy County NM

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

Lab Sample ID: 880-30284-2

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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			07/05/23 12:23	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			07/05/23 15:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/03/23 13:34	07/03/23 22:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/03/23 13:34	07/03/23 22:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/03/23 13:34	07/03/23 22:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				07/03/23 13:34	07/03/23 22:58	1
o-Terphenyl	118		70 - 130				07/03/23 13:34	07/03/23 22:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	641		50.2		mg/Kg			07/06/23 20:54	10

Client Sample ID: H-3 (0-1')

Lab Sample ID: 880-30284-3

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/03/23 10:43	07/04/23 13:07	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/03/23 10:43	07/04/23 13:07	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/03/23 10:43	07/04/23 13:07	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/03/23 10:43	07/04/23 13:07	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/03/23 10:43	07/04/23 13:07	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/03/23 10:43	07/04/23 13:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				07/03/23 10:43	07/04/23 13:07	1
1,4-Difluorobenzene (Surr)	113		70 - 130				07/03/23 10:43	07/04/23 13:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/05/23 12:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/05/23 15:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/03/23 13:34	07/03/23 23:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/03/23 13:34	07/03/23 23:21	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30284-1
SDG: Eddy County NM

Client Sample ID: H-3 (0-1')

Lab Sample ID: 880-30284-3

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/03/23 13:34	07/03/23 23:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				07/03/23 13:34	07/03/23 23:21	1
o-Terphenyl	97		70 - 130				07/03/23 13:34	07/03/23 23:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1860		25.2		mg/Kg			07/06/23 20:59	5

Client Sample ID: H-3 (1.5')

Lab Sample ID: 880-30284-4

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/03/23 10:43	07/04/23 13:28	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/03/23 10:43	07/04/23 13:28	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/03/23 10:43	07/04/23 13:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/03/23 10:43	07/04/23 13:28	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/03/23 10:43	07/04/23 13:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/03/23 10:43	07/04/23 13:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				07/03/23 10:43	07/04/23 13:28	1
1,4-Difluorobenzene (Surr)	109		70 - 130				07/03/23 10:43	07/04/23 13:28	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			07/05/23 12:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/05/23 15:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/03/23 13:34	07/03/23 23:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/03/23 13:34	07/03/23 23:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/03/23 13:34	07/03/23 23:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				07/03/23 13:34	07/03/23 23:44	1
o-Terphenyl	105		70 - 130				07/03/23 13:34	07/03/23 23:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2050		25.0		mg/Kg			07/06/23 21:05	5

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30284-1
SDG: Eddy County NM

Client Sample ID: H-3 (2')

Lab Sample ID: 880-30284-5

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/03/23 10:43	07/04/23 15:37	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/03/23 10:43	07/04/23 15:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/03/23 10:43	07/04/23 15:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/03/23 10:43	07/04/23 15:37	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/03/23 10:43	07/04/23 15:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/03/23 10:43	07/04/23 15:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				07/03/23 10:43	07/04/23 15:37	1
1,4-Difluorobenzene (Surr)	106		70 - 130				07/03/23 10:43	07/04/23 15:37	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			07/05/23 12:23	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			07/05/23 15:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/03/23 13:34	07/04/23 00:06	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/03/23 13:34	07/04/23 00:06	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/03/23 13:34	07/04/23 00:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				07/03/23 13:34	07/04/23 00:06	1
o-Terphenyl	118		70 - 130				07/03/23 13:34	07/04/23 00:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1920		25.1		mg/Kg			07/06/23 21:10	5

Client Sample ID: H-3 (3')

Lab Sample ID: 880-30284-6

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/03/23 10:43	07/04/23 15:57	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/03/23 10:43	07/04/23 15:57	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/03/23 10:43	07/04/23 15:57	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		07/03/23 10:43	07/04/23 15:57	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/03/23 10:43	07/04/23 15:57	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		07/03/23 10:43	07/04/23 15:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				07/03/23 10:43	07/04/23 15:57	1
1,4-Difluorobenzene (Surr)	110		70 - 130				07/03/23 10:43	07/04/23 15:57	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30284-1
SDG: Eddy County NM

Client Sample ID: H-3 (3')

Lab Sample ID: 880-30284-6

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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			07/05/23 12:23	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			07/05/23 15:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/03/23 13:34	07/04/23 00:29	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/03/23 13:34	07/04/23 00:29	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/03/23 13:34	07/04/23 00:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				07/03/23 13:34	07/04/23 00:29	1
o-Terphenyl	94		70 - 130				07/03/23 13:34	07/04/23 00:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2080		49.8		mg/Kg			07/06/23 21:27	10

Client Sample ID: H-3 (4')

Lab Sample ID: 880-30284-7

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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		07/03/23 10:43	07/04/23 16:18	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/03/23 10:43	07/04/23 16:18	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/03/23 10:43	07/04/23 16:18	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		07/03/23 10:43	07/04/23 16:18	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/03/23 10:43	07/04/23 16:18	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		07/03/23 10:43	07/04/23 16:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				07/03/23 10:43	07/04/23 16:18	1
1,4-Difluorobenzene (Surr)	112		70 - 130				07/03/23 10:43	07/04/23 16:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			07/05/23 12:23	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			07/05/23 15:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/03/23 13:34	07/04/23 00:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/03/23 13:34	07/04/23 00:52	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30284-1
SDG: Eddy County NM

Client Sample ID: H-3 (4')

Lab Sample ID: 880-30284-7

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/03/23 13:34	07/04/23 00:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				07/03/23 13:34	07/04/23 00:52	1
o-Terphenyl	110		70 - 130				07/03/23 13:34	07/04/23 00:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2030		49.6		mg/Kg			07/06/23 21:32	10

Client Sample ID: H-3 (5')

Lab Sample ID: 880-30284-8

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/03/23 10:43	07/04/23 16:39	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/03/23 10:43	07/04/23 16:39	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/03/23 10:43	07/04/23 16:39	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/03/23 10:43	07/04/23 16:39	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/03/23 10:43	07/04/23 16:39	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/03/23 10:43	07/04/23 16:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				07/03/23 10:43	07/04/23 16:39	1
1,4-Difluorobenzene (Surr)	109		70 - 130				07/03/23 10:43	07/04/23 16:39	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			07/05/23 12:23	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			07/05/23 15:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/03/23 13:34	07/04/23 01:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/03/23 13:34	07/04/23 01:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/03/23 13:34	07/04/23 01:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				07/03/23 13:34	07/04/23 01:14	1
o-Terphenyl	111		70 - 130				07/03/23 13:34	07/04/23 01:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3370		49.7		mg/Kg			07/06/23 21:38	10

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30284-1
SDG: Eddy County NM

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

Lab Sample ID: 880-30284-9

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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		07/03/23 10:43	07/04/23 17:00	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/03/23 10:43	07/04/23 17:00	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/03/23 10:43	07/04/23 17:00	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		07/03/23 10:43	07/04/23 17:00	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/03/23 10:43	07/04/23 17:00	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/03/23 10:43	07/04/23 17:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	07/03/23 10:43	07/04/23 17:00	1
1,4-Difluorobenzene (Surr)	107		70 - 130	07/03/23 10:43	07/04/23 17:00	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			07/05/23 12:23	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			07/05/23 15:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/03/23 13:34	07/03/23 21:26	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/03/23 13:34	07/03/23 21:26	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/03/23 13:34	07/03/23 21:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130	07/03/23 13:34	07/03/23 21:26	1
o-Terphenyl	95		70 - 130	07/03/23 13:34	07/03/23 21:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	372		5.03		mg/Kg			07/06/23 21:43	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30284-1
SDG: Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
880-30279-A-1-A MS	Matrix Spike	105	101				
880-30279-A-1-B MSD	Matrix Spike Duplicate	108	96				
880-30284-1	H-1 (0-0.5')	103	111				
880-30284-2	H-2 (0-0.5')	111	109				
880-30284-3	H-3 (0-1')	106	113				
880-30284-4	H-3 (1.5')	112	109				
880-30284-5	H-3 (2')	96	106				
880-30284-6	H-3 (3')	103	110				
880-30284-7	H-3 (4')	106	112				
880-30284-8	H-3 (5')	111	109				
880-30284-9	H-4 (0-0.5')	105	107				
LCS 880-56875/1-A	Lab Control Sample	99	102				
LCSD 880-56875/2-A	Lab Control Sample Dup	109	95				
MB 880-56875/5-A	Method Blank	98	87				
MB 880-56908/5-A	Method Blank	98	87				
Surrogate Legend							
BFB = 4-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
880-30284-1	H-1 (0-0.5')	105	114				
880-30284-2	H-2 (0-0.5')	107	118				
880-30284-3	H-3 (0-1')	87	97				
880-30284-4	H-3 (1.5')	94	105				
880-30284-5	H-3 (2')	107	118				
880-30284-6	H-3 (3')	85	94				
880-30284-7	H-3 (4')	96	110				
880-30284-8	H-3 (5')	99	111				
880-30284-9	H-4 (0-0.5')	84	95				
880-30284-9 MS	H-4 (0-0.5')	97	97				
880-30284-9 MSD	H-4 (0-0.5')	93	95				
LCS 880-56914/2-A	Lab Control Sample	66 S1-	77				
LCSD 880-56914/3-A	Lab Control Sample Dup	77	88				
MB 880-56914/1-A	Method Blank	125	143 S1+				
Surrogate Legend							
1CO = 1-Chlorooctane							
OTPH = o-Terphenyl							

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QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30284-1
SDG: Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-56875/5-A

Matrix: Solid

Analysis Batch: 56823

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56875

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/03/23 10:43	07/04/23 10:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/03/23 10:43	07/04/23 10:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/03/23 10:43	07/04/23 10:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/03/23 10:43	07/04/23 10:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/03/23 10:43	07/04/23 10:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/03/23 10:43	07/04/23 10:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	07/03/23 10:43	07/04/23 10:40	1
1,4-Difluorobenzene (Surr)	87		70 - 130	07/03/23 10:43	07/04/23 10:40	1

Lab Sample ID: LCS 880-56875/1-A

Matrix: Solid

Analysis Batch: 56823

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 56875

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1294		mg/Kg		129	70 - 130
Toluene	0.100	0.1281		mg/Kg		128	70 - 130
Ethylbenzene	0.100	0.1048		mg/Kg		105	70 - 130
m-Xylene & p-Xylene	0.200	0.2128		mg/Kg		106	70 - 130
o-Xylene	0.100	0.1028		mg/Kg		103	70 - 130

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

Lab Sample ID: LCSD 880-56875/2-A

Matrix: Solid

Analysis Batch: 56823

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 56875

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1170		mg/Kg		117	70 - 130	10	35
Toluene	0.100	0.1286		mg/Kg		129	70 - 130	0	35
Ethylbenzene	0.100	0.1131		mg/Kg		113	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.2380		mg/Kg		119	70 - 130	11	35
o-Xylene	0.100	0.1155		mg/Kg		115	70 - 130	12	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 880-30279-A-1-A MS

Matrix: Solid

Analysis Batch: 56823

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 56875

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00198	U	0.0996	0.1204		mg/Kg		121	70 - 130
Toluene	<0.00198	U	0.0996	0.1187		mg/Kg		119	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30284-1
SDG: Eddy County NM

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

Lab Sample ID: 880-30279-A-1-A MS

Matrix: Solid

Analysis Batch: 56823

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 56875

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00198	U	0.0996	0.09725		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	<0.00396	U	0.199	0.1875		mg/Kg		94	70 - 130
o-Xylene	<0.00198	U	0.0996	0.09505		mg/Kg		95	70 - 130

Surrogate	MS %Recovery	MS Qualifier	MS Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-30279-A-1-B MSD

Matrix: Solid

Analysis Batch: 56823

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 56875

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.0994	0.1072		mg/Kg		108	70 - 130	12	35
Toluene	<0.00198	U	0.0994	0.1186		mg/Kg		119	70 - 130	0	35
Ethylbenzene	<0.00198	U	0.0994	0.1013		mg/Kg		102	70 - 130	4	35
m-Xylene & p-Xylene	<0.00396	U	0.199	0.1991		mg/Kg		100	70 - 130	6	35
o-Xylene	<0.00198	U	0.0994	0.1014		mg/Kg		102	70 - 130	6	35

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: MB 880-56908/5-A

Matrix: Solid

Analysis Batch: 56823

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56908

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/03/23 12:53	07/03/23 23:50	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/03/23 12:53	07/03/23 23:50	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/03/23 12:53	07/03/23 23:50	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/03/23 12:53	07/03/23 23:50	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/03/23 12:53	07/03/23 23:50	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/03/23 12:53	07/03/23 23:50	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	07/03/23 12:53	07/03/23 23:50	1
1,4-Difluorobenzene (Surr)	87		70 - 130	07/03/23 12:53	07/03/23 23:50	1

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

Lab Sample ID: MB 880-56914/1-A

Matrix: Solid

Analysis Batch: 56816

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56914

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		07/03/23 13:34	07/03/23 20:16	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30284-1
SDG: Eddy County NM

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

Lab Sample ID: MB 880-56914/1-A
Matrix: Solid
Analysis Batch: 56816

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 56914

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/03/23 13:34	07/03/23 20:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/03/23 13:34	07/03/23 20:16	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
1-Chlorooctane	125		70 - 130				07/03/23 13:34	07/03/23 20:16	1
o-Terphenyl	143	S1+	70 - 130				07/03/23 13:34	07/03/23 20:16	1

Lab Sample ID: LCS 880-56914/2-A
Matrix: Solid
Analysis Batch: 56816

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 56914

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits		
		Result	Qualifier						
Gasoline Range Organics (GRO)-C6-C10	1000	838.8		mg/Kg		84	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	895.7		mg/Kg		90	70 - 130		
Surrogate		LCS	LCS				Limits		
		%Recovery	Qualifier						
1-Chlorooctane		66	S1-				70 - 130		
o-Terphenyl		77					70 - 130		

Lab Sample ID: LCSD 880-56914/3-A
Matrix: Solid
Analysis Batch: 56816

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 56914

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
		Result	Qualifier						
Gasoline Range Organics (GRO)-C6-C10	1000	857.4		mg/Kg		86	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	918.4		mg/Kg		92	70 - 130	3	20
Surrogate		LCSD	LCSD				Limits		
		%Recovery	Qualifier						
1-Chlorooctane		77					70 - 130		
o-Terphenyl		88					70 - 130		

Lab Sample ID: 880-30284-9 MS
Matrix: Solid
Analysis Batch: 56816

Client Sample ID: H-4 (0-0.5')
Prep Type: Total/NA
Prep Batch: 56914

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits		
	Result	Qualifier		Result	Qualifier						
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	1000	1121		mg/Kg		110	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.8	U	1000	986.4		mg/Kg		99	70 - 130		
Surrogate	MS	MS	Limits								
	%Recovery	Qualifier									
1-Chlorooctane	97		70 - 130								
o-Terphenyl	97		70 - 130								

QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30284-1
SDG: Eddy County NM

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

Lab Sample ID: 880-30284-9 MSD

Matrix: Solid

Analysis Batch: 56816

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

Prep Type: Total/NA

Prep Batch: 56914

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	<49.8	U	997	1065		mg/Kg		104	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<49.8	U	997	965.6		mg/Kg		97	70 - 130	2	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	93		70 - 130								
o-Terphenyl	95		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-57020/1-A

Matrix: Solid

Analysis Batch: 57070

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			07/06/23 20:21	1

Lab Sample ID: LCS 880-57020/2-A

Matrix: Solid

Analysis Batch: 57070

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	247.8		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-57020/3-A

Matrix: Solid

Analysis Batch: 57070

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	248.7		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 880-30284-1 MS

Matrix: Solid

Analysis Batch: 57070

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	185	F1	248	387.4	F1	mg/Kg		82	90 - 110

Lab Sample ID: 880-30284-1 MSD

Matrix: Solid

Analysis Batch: 57070

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	185	F1	248	386.5	F1	mg/Kg		81	90 - 110	0	20

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QC Association Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30284-1
SDG: Eddy County NM

GC VOA

Analysis Batch: 56823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30284-1	H-1 (0-0.5')	Total/NA	Solid	8021B	56875
880-30284-2	H-2 (0-0.5')	Total/NA	Solid	8021B	56875
880-30284-3	H-3 (0-1')	Total/NA	Solid	8021B	56875
880-30284-4	H-3 (1.5')	Total/NA	Solid	8021B	56875
880-30284-5	H-3 (2')	Total/NA	Solid	8021B	56875
880-30284-6	H-3 (3')	Total/NA	Solid	8021B	56875
880-30284-7	H-3 (4')	Total/NA	Solid	8021B	56875
880-30284-8	H-3 (5')	Total/NA	Solid	8021B	56875
880-30284-9	H-4 (0-0.5')	Total/NA	Solid	8021B	56875
MB 880-56875/5-A	Method Blank	Total/NA	Solid	8021B	56875
MB 880-56908/5-A	Method Blank	Total/NA	Solid	8021B	56908
LCS 880-56875/1-A	Lab Control Sample	Total/NA	Solid	8021B	56875
LCSD 880-56875/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	56875
880-30279-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	56875
880-30279-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	56875

Prep Batch: 56875

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30284-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-30284-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-30284-3	H-3 (0-1')	Total/NA	Solid	5035	
880-30284-4	H-3 (1.5')	Total/NA	Solid	5035	
880-30284-5	H-3 (2')	Total/NA	Solid	5035	
880-30284-6	H-3 (3')	Total/NA	Solid	5035	
880-30284-7	H-3 (4')	Total/NA	Solid	5035	
880-30284-8	H-3 (5')	Total/NA	Solid	5035	
880-30284-9	H-4 (0-0.5')	Total/NA	Solid	5035	
MB 880-56875/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-56875/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-56875/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-30279-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-30279-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 56908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-56908/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 56997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30284-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-30284-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-30284-3	H-3 (0-1')	Total/NA	Solid	Total BTEX	
880-30284-4	H-3 (1.5')	Total/NA	Solid	Total BTEX	
880-30284-5	H-3 (2')	Total/NA	Solid	Total BTEX	
880-30284-6	H-3 (3')	Total/NA	Solid	Total BTEX	
880-30284-7	H-3 (4')	Total/NA	Solid	Total BTEX	
880-30284-8	H-3 (5')	Total/NA	Solid	Total BTEX	
880-30284-9	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30284-1
SDG: Eddy County NM

GC Semi VOA

Analysis Batch: 56816

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30284-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	56914
880-30284-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	56914
880-30284-3	H-3 (0-1')	Total/NA	Solid	8015B NM	56914
880-30284-4	H-3 (1.5')	Total/NA	Solid	8015B NM	56914
880-30284-5	H-3 (2')	Total/NA	Solid	8015B NM	56914
880-30284-6	H-3 (3')	Total/NA	Solid	8015B NM	56914
880-30284-7	H-3 (4')	Total/NA	Solid	8015B NM	56914
880-30284-8	H-3 (5')	Total/NA	Solid	8015B NM	56914
880-30284-9	H-4 (0-0.5')	Total/NA	Solid	8015B NM	56914
MB 880-56914/1-A	Method Blank	Total/NA	Solid	8015B NM	56914
LCS 880-56914/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	56914
LCSD 880-56914/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	56914
880-30284-9 MS	H-4 (0-0.5')	Total/NA	Solid	8015B NM	56914
880-30284-9 MSD	H-4 (0-0.5')	Total/NA	Solid	8015B NM	56914

Prep Batch: 56914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30284-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-30284-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-30284-3	H-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-30284-4	H-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-30284-5	H-3 (2')	Total/NA	Solid	8015NM Prep	
880-30284-6	H-3 (3')	Total/NA	Solid	8015NM Prep	
880-30284-7	H-3 (4')	Total/NA	Solid	8015NM Prep	
880-30284-8	H-3 (5')	Total/NA	Solid	8015NM Prep	
880-30284-9	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-56914/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-56914/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-56914/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-30284-9 MS	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-30284-9 MSD	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 57033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30284-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-30284-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-30284-3	H-3 (0-1')	Total/NA	Solid	8015 NM	
880-30284-4	H-3 (1.5')	Total/NA	Solid	8015 NM	
880-30284-5	H-3 (2')	Total/NA	Solid	8015 NM	
880-30284-6	H-3 (3')	Total/NA	Solid	8015 NM	
880-30284-7	H-3 (4')	Total/NA	Solid	8015 NM	
880-30284-8	H-3 (5')	Total/NA	Solid	8015 NM	
880-30284-9	H-4 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 57020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30284-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-30284-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-30284-3	H-3 (0-1')	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30284-1
SDG: Eddy County NM

HPLC/IC (Continued)

Leach Batch: 57020 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30284-4	H-3 (1.5')	Soluble	Solid	DI Leach	
880-30284-5	H-3 (2')	Soluble	Solid	DI Leach	
880-30284-6	H-3 (3')	Soluble	Solid	DI Leach	
880-30284-7	H-3 (4')	Soluble	Solid	DI Leach	
880-30284-8	H-3 (5')	Soluble	Solid	DI Leach	
880-30284-9	H-4 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-57020/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-57020/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-57020/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-30284-1 MS	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-30284-1 MSD	H-1 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 57070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30284-1	H-1 (0-0.5')	Soluble	Solid	300.0	57020
880-30284-2	H-2 (0-0.5')	Soluble	Solid	300.0	57020
880-30284-3	H-3 (0-1')	Soluble	Solid	300.0	57020
880-30284-4	H-3 (1.5')	Soluble	Solid	300.0	57020
880-30284-5	H-3 (2')	Soluble	Solid	300.0	57020
880-30284-6	H-3 (3')	Soluble	Solid	300.0	57020
880-30284-7	H-3 (4')	Soluble	Solid	300.0	57020
880-30284-8	H-3 (5')	Soluble	Solid	300.0	57020
880-30284-9	H-4 (0-0.5')	Soluble	Solid	300.0	57020
MB 880-57020/1-A	Method Blank	Soluble	Solid	300.0	57020
LCS 880-57020/2-A	Lab Control Sample	Soluble	Solid	300.0	57020
LCSD 880-57020/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	57020
880-30284-1 MS	H-1 (0-0.5')	Soluble	Solid	300.0	57020
880-30284-1 MSD	H-1 (0-0.5')	Soluble	Solid	300.0	57020

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30284-1
SDG: Eddy County NM

Client Sample ID: H-1 (0-0.5')
Date Collected: 06/29/23 00:00
Date Received: 07/03/23 09:04

Lab Sample ID: 880-30284-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	56875	07/03/23 10:43	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56823	07/04/23 12:26	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56997	07/05/23 12:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			57033	07/05/23 15:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	56914	07/03/23 13:34	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56816	07/03/23 22:35	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	57020	07/05/23 15:30	KS	EET MID
Soluble	Analysis	300.0		1			57070	07/06/23 20:37	CH	EET MID

Client Sample ID: H-2 (0-0.5')
Date Collected: 06/29/23 00:00
Date Received: 07/03/23 09:04

Lab Sample ID: 880-30284-2
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			4.95 g	5 mL	56875	07/03/23 10:43	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56823	07/04/23 12:47	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56997	07/05/23 12:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			57033	07/05/23 15:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	56914	07/03/23 13:34	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56816	07/03/23 22:58	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	57020	07/05/23 15:30	KS	EET MID
Soluble	Analysis	300.0		10			57070	07/06/23 20:54	CH	EET MID

Client Sample ID: H-3 (0-1')
Date Collected: 06/29/23 00:00
Date Received: 07/03/23 09:04

Lab Sample ID: 880-30284-3
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			4.97 g	5 mL	56875	07/03/23 10:43	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56823	07/04/23 13:07	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56997	07/05/23 12:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			57033	07/05/23 15:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	56914	07/03/23 13:34	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56816	07/03/23 23:21	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	57020	07/05/23 15:30	KS	EET MID
Soluble	Analysis	300.0		5			57070	07/06/23 20:59	CH	EET MID

Client Sample ID: H-3 (1.5')
Date Collected: 06/29/23 00:00
Date Received: 07/03/23 09:04

Lab Sample ID: 880-30284-4
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			5.02 g	5 mL	56875	07/03/23 10:43	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56823	07/04/23 13:28	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56997	07/05/23 12:23	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30284-1
SDG: Eddy County NM

Client Sample ID: H-3 (1.5')
Date Collected: 06/29/23 00:00
Date Received: 07/03/23 09:04

Lab Sample ID: 880-30284-4
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			57033	07/05/23 15:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	56914	07/03/23 13:34	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56816	07/03/23 23:44	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	57020	07/05/23 15:30	KS	EET MID
Soluble	Analysis	300.0		5			57070	07/06/23 21:05	CH	EET MID

Client Sample ID: H-3 (2')
Date Collected: 06/29/23 00:00
Date Received: 07/03/23 09:04

Lab Sample ID: 880-30284-5
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			5.03 g	5 mL	56875	07/03/23 10:43	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56823	07/04/23 15:37	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56997	07/05/23 12:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			57033	07/05/23 15:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	56914	07/03/23 13:34	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56816	07/04/23 00:06	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	57020	07/05/23 15:30	KS	EET MID
Soluble	Analysis	300.0		5			57070	07/06/23 21:10	CH	EET MID

Client Sample ID: H-3 (3')
Date Collected: 06/29/23 00:00
Date Received: 07/03/23 09:04

Lab Sample ID: 880-30284-6
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			4.96 g	5 mL	56875	07/03/23 10:43	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56823	07/04/23 15:57	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56997	07/05/23 12:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			57033	07/05/23 15:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	56914	07/03/23 13:34	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56816	07/04/23 00:29	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	57020	07/05/23 15:30	KS	EET MID
Soluble	Analysis	300.0		10			57070	07/06/23 21:27	CH	EET MID

Client Sample ID: H-3 (4')
Date Collected: 06/29/23 00:00
Date Received: 07/03/23 09:04

Lab Sample ID: 880-30284-7
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			5.04 g	5 mL	56875	07/03/23 10:43	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56823	07/04/23 16:18	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56997	07/05/23 12:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			57033	07/05/23 15:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	56914	07/03/23 13:34	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56816	07/04/23 00:52	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30284-1
SDG: Eddy County NM

Client Sample ID: H-3 (4')
Date Collected: 06/29/23 00:00
Date Received: 07/03/23 09:04

Lab Sample ID: 880-30284-7
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			5.04 g	50 mL	57020	07/05/23 15:30	KS	EET MID
Soluble	Analysis	300.0		10			57070	07/06/23 21:32	CH	EET MID

Client Sample ID: H-3 (5')
Date Collected: 06/29/23 00:00
Date Received: 07/03/23 09:04

Lab Sample ID: 880-30284-8
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			4.95 g	5 mL	56875	07/03/23 10:43	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56823	07/04/23 16:39	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56997	07/05/23 12:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			57033	07/05/23 15:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	56914	07/03/23 13:34	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56816	07/04/23 01:14	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	57020	07/05/23 15:30	KS	EET MID
Soluble	Analysis	300.0		10			57070	07/06/23 21:38	CH	EET MID

Client Sample ID: H-4 (0-0.5')
Date Collected: 06/29/23 00:00
Date Received: 07/03/23 09:04

Lab Sample ID: 880-30284-9
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			5.05 g	5 mL	56875	07/03/23 10:43	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56823	07/04/23 17:00	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56997	07/05/23 12:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			57033	07/05/23 15:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	56914	07/03/23 13:34	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56816	07/03/23 21:26	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	57020	07/05/23 15:30	KS	EET MID
Soluble	Analysis	300.0		1			57070	07/06/23 21:43	CH	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30284-1
SDG: Eddy County NM

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	T104704400-23-26	06-30-24
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-30284-1
SDG: Eddy County NM

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: Riverbend 12-13 Federal Com 33H

Job ID: 880-30284-1
SDG: Eddy County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-30284-1	H-1 (0-0.5')	Solid	06/29/23 00:00	07/03/23 09:04
880-30284-2	H-2 (0-0.5')	Solid	06/29/23 00:00	07/03/23 09:04
880-30284-3	H-3 (0-1')	Solid	06/29/23 00:00	07/03/23 09:04
880-30284-4	H-3 (1.5')	Solid	06/29/23 00:00	07/03/23 09:04
880-30284-5	H-3 (2')	Solid	06/29/23 00:00	07/03/23 09:04
880-30284-6	H-3 (3')	Solid	06/29/23 00:00	07/03/23 09:04
880-30284-7	H-3 (4')	Solid	06/29/23 00:00	07/03/23 09:04
880-30284-8	H-3 (5')	Solid	06/29/23 00:00	07/03/23 09:04
880-30284-9	H-4 (0-0.5')	Solid	06/29/23 00:00	07/03/23 09:04

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880-30284 Chain of Custody

Page 1 of 1

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 Marlenfield St Suite 600
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland TX 79701
Phone	432-813-8988	Email	laci.luig@coteria.com ashton.thielke@coteria.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	Riverbend 12-13 Federal Com 33H	Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes	
Project Number	2059	☒ Routine ☐ Rush														None NO	DI Water H ₂ O
Project Location	Eddy County, New Mexico	Due Date	Normal													Cool Cool	MeOH Me
Sampler's Name	GPJ/JR															HCL HC	HNO ₃ HN
PO #																H ₂ SO ₄ H ₂	NaOH Na
SAMPLE RECEIPT	Temp Blank	Yes/No	Yes/No	Well Ice												H ₃ PO ₄ HP	
Received Intact	Yes/No	Thermometer ID														NaHSO ₄ NABIS	
Cooler Custody Seals	Yes/No	Correction Factor														Na ₂ S ₂ O ₃ NaSO ₃	
Sample Custody Seals	Yes/No	Temperature Reading														Zn Acetate+NaOH Zn	
Total Containers		Corrected Temperature														NaOH+Ascorbic Acid SAPC	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters												Sample Comments
H-1 (0-0.5')	6/29/2023		X		G	1	BTX 8021B												
H-2 (0-0.5')	6/29/2023		X		G	1	TPH 8015M (GRO + DRO + MRO)												
H-3 (0-1')	6/29/2023		X		G	1	Chloride 300.0												
H-3 (1.5')	6/29/2023		X		G	1													
H-3 (2')	6/29/2023		X		G	1													
H-3 (3')	6/29/2023		X		G	1													
H-3 (4')	6/29/2023		X		G	1													
H-3 (5')	6/29/2023		X		G	1													
H-4 (0-0.5')	6/29/2023		X		G	1													

Comments:

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	7/3/23		7/3/23
			9014

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-30284-1

SDG Number: Eddy County NM

Login Number: 30284

List Number: 1

Creator: Kramer, Jessica

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
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
Coterra Energy Inc
6001 Deauville Blvd
Suite 300N
Midland, Texas 79706

Generated 10/15/2024 3:24:49 PM

JOB DESCRIPTION

RIVERBEND 12-13 FEDERAL COM 33H
2059

JOB NUMBER

890-7228-1

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
10/15/2024 3:24:49 PM

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

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Laboratory Job ID: 890-7228-1
SDG: 2059

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Definitions/Glossary

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Qualifiers

GC 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.

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Coterra Energy Inc
Project: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1

Job ID: 890-7228-1

Eurofins Carlsbad

Job Narrative 890-7228-1

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 10/10/2024 3:54 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 7.0°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS - 1 (8.5') (890-7228-1), CS - 2 (8.5') (890-7228-2), CS - 3 (8.5') (890-7228-3), CS - 4 (8.5') (890-7228-4), CS - 5 (8.5') (890-7228-5), CS - 6 (8.5') (890-7228-6), CS - 7 (8.5') (890-7228-7), CS - 8 (8.5') (890-7228-8), CS - 9 (8.5') (890-7228-9), CS - 10 (8.5') (890-7228-10), CS - 11 (8.5') (890-7228-11), CS - 12 (8.5') (890-7228-12), CS - 13 (8.5') (890-7228-13), CS - 14 (8.5') (890-7228-14), CS - 15 (8.5') (890-7228-15), CS - 16 (8.5') (890-7228-16), CS - 17 (8.5') (890-7228-17), CS - 18 (8.5') (890-7228-18), CS - 19 (8.5') (890-7228-19), CS - 20 (8.5') (890-7228-20), CS - 21 (8.5') (890-7228-21), CS - 22 (8.5') (890-7228-22), CS - 23 (8.5') (890-7228-23), CS - 24 (8.5') (890-7228-24), CS - 25 (8.5') (890-7228-25), CS - 26 (8.5') (890-7228-26), CS - 27 (8.5') (890-7228-27), CS - 28 (8.5') (890-7228-28), SW - 1 (3.5'-8.5') (890-7228-29), SW - 2 (3.5'-8.5') (890-7228-30), SW - 3 (4.5'-8.5') (890-7228-31), SW - 4 (8.5') (890-7228-32), SW - 5 (4.5'-8.5') (890-7228-33), SW - 6 (8.5') (890-7228-34), SW - 7 (4.5'-8.5') (890-7228-35), SW - 8 (8.5') (890-7228-36), SW - 9 (4.5'-8.5') (890-7228-37), SW - 10 (4.5'-8.5') (890-7228-38), SW - 11 (8.5') (890-7228-39), SW - 12 (8.5') (890-7228-40), SW - 13 (8.5') (890-7228-41), SW - 14 (8.5') (890-7228-42), SW - 15 (8.5') (890-7228-43), SW - 16 (8.5') (890-7228-44), SW - 17 (8.5') (890-7228-45), SW - 18 (8.5') (890-7228-46), SW - 19 (8.5') (890-7228-47) and SW - 20 (8.5') (890-7228-48).

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-93036 and analytical batch 880-93021 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: CS - 22 (8.5') (890-7228-22) and SW - 10 (4.5'-8.5') (890-7228-38). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-93140 and analytical batch 880-93171 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-93023/2-A) and (LCSD 880-93023/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-92955 and 880-93024 and analytical batch 880-93132 was outside the upper control limits.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-93024 and analytical batch 880-93132 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-93024/2-A) and (LCSD

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Case Narrative

Client: Coterra Energy Inc
Project: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1

Job ID: 890-7228-1 (Continued)**Eurofins Carlsbad**

880-93024/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: CS - 23 (8.5') (890-7228-23), (LCS 880-92955/2-A) and (LCSD 880-92955/3-A). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS - 24 (8.5') (890-7228-24), CS - 25 (8.5') (890-7228-25), CS - 26 (8.5') (890-7228-26), CS - 27 (8.5') (890-7228-27), SW - 2 (3.5'-8.5') (890-7228-30), SW - 7 (4.5'-8.5') (890-7228-35), SW - 8 (8.5') (890-7228-36) and SW - 18 (8.5') (890-7228-46). 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

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-93027 and analytical batch 880-93062 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

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Client Sample Results

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Client Sample ID: CS - 1 (8.5')

Lab Sample ID: 890-7228-1

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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		10/11/24 09:31	10/11/24 11:37	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/11/24 09:31	10/11/24 11:37	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/11/24 09:31	10/11/24 11:37	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/11/24 09:31	10/11/24 11:37	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/11/24 09:31	10/11/24 11:37	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/11/24 09:31	10/11/24 11:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	10/11/24 09:31	10/11/24 11:37	1
1,4-Difluorobenzene (Surr)	101		70 - 130	10/11/24 09:31	10/11/24 11:37	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			10/11/24 11:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/11/24 16:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/11/24 08:40	10/11/24 16:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/11/24 08:40	10/11/24 16:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/11/24 08:40	10/11/24 16:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130	10/11/24 08:40	10/11/24 16:03	1
o-Terphenyl	96		70 - 130	10/11/24 08:40	10/11/24 16:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.2		9.92		mg/Kg			10/11/24 10:52	1

Client Sample ID: CS - 2 (8.5')

Lab Sample ID: 890-7228-2

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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		10/11/24 09:31	10/11/24 11:57	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/11/24 09:31	10/11/24 11:57	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/11/24 09:31	10/11/24 11:57	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/11/24 09:31	10/11/24 11:57	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/11/24 09:31	10/11/24 11:57	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/11/24 09:31	10/11/24 11:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	10/11/24 09:31	10/11/24 11:57	1
1,4-Difluorobenzene (Surr)	100		70 - 130	10/11/24 09:31	10/11/24 11:57	1

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Client Sample Results

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Client Sample ID: CS - 2 (8.5')

Lab Sample ID: 890-7228-2

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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			10/11/24 11:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/11/24 16:57	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	<49.9	U	49.9		mg/Kg		10/11/24 08:40	10/11/24 16:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/11/24 08:40	10/11/24 16:57	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/11/24 08:40	10/11/24 16:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				10/11/24 08:40	10/11/24 16:57	1
o-Terphenyl	91		70 - 130				10/11/24 08:40	10/11/24 16:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.9		10.0		mg/Kg			10/11/24 11:08	1

Client Sample ID: CS - 3 (8.5')

Lab Sample ID: 890-7228-3

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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		10/11/24 09:31	10/11/24 12:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/24 09:31	10/11/24 12:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/24 09:31	10/11/24 12:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/24 09:31	10/11/24 12:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/24 09:31	10/11/24 12:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/24 09:31	10/11/24 12:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				10/11/24 09:31	10/11/24 12:18	1
1,4-Difluorobenzene (Surr)	99		70 - 130				10/11/24 09:31	10/11/24 12:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/11/24 12:18	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			10/11/24 17:12	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	<50.0	U	50.0		mg/Kg		10/11/24 08:40	10/11/24 17:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/11/24 08:40	10/11/24 17:12	1

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Client Sample Results

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Client Sample ID: CS - 3 (8.5')

Lab Sample ID: 890-7228-3

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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		10/11/24 08:40	10/11/24 17:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				10/11/24 08:40	10/11/24 17:12	1
o-Terphenyl	87		70 - 130				10/11/24 08:40	10/11/24 17:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	36.3		10.0		mg/Kg			10/11/24 11:14	1

Client Sample ID: CS - 4 (8.5')

Lab Sample ID: 890-7228-4

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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		10/11/24 09:31	10/11/24 12:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/24 09:31	10/11/24 12:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/24 09:31	10/11/24 12:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/24 09:31	10/11/24 12:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/24 09:31	10/11/24 12:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/24 09:31	10/11/24 12:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				10/11/24 09:31	10/11/24 12:38	1
1,4-Difluorobenzene (Surr)	101		70 - 130				10/11/24 09:31	10/11/24 12:38	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			10/11/24 12:38	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			10/11/24 17:29	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	<49.9	U	49.9		mg/Kg		10/11/24 08:40	10/11/24 17:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/11/24 08:40	10/11/24 17:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/11/24 08:40	10/11/24 17:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				10/11/24 08:40	10/11/24 17:29	1
o-Terphenyl	88		70 - 130				10/11/24 08:40	10/11/24 17:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	31.0		9.94		mg/Kg			10/11/24 11:19	1

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Client Sample Results

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Client Sample ID: CS - 5 (8.5')

Lab Sample ID: 890-7228-5

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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		10/11/24 09:31	10/11/24 12:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/24 09:31	10/11/24 12:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/24 09:31	10/11/24 12:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/24 09:31	10/11/24 12:59	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/24 09:31	10/11/24 12:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/24 09:31	10/11/24 12:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				10/11/24 09:31	10/11/24 12:59	1
1,4-Difluorobenzene (Surr)	101		70 - 130				10/11/24 09:31	10/11/24 12:59	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/11/24 12:59	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			10/11/24 17:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		10/11/24 08:40	10/11/24 17:45	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		10/11/24 08:40	10/11/24 17:45	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/11/24 08:40	10/11/24 17:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				10/11/24 08:40	10/11/24 17:45	1
o-Terphenyl	81		70 - 130				10/11/24 08:40	10/11/24 17:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.2		9.96		mg/Kg			10/11/24 11:25	1

Client Sample ID: CS - 6 (8.5')

Lab Sample ID: 890-7228-6

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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		10/11/24 09:31	10/11/24 13:19	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/11/24 09:31	10/11/24 13:19	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/11/24 09:31	10/11/24 13:19	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/11/24 09:31	10/11/24 13:19	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/11/24 09:31	10/11/24 13:19	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/11/24 09:31	10/11/24 13:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				10/11/24 09:31	10/11/24 13:19	1
1,4-Difluorobenzene (Surr)	100		70 - 130				10/11/24 09:31	10/11/24 13:19	1

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Client Sample Results

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Client Sample ID: CS - 6 (8.5')
Date Collected: 10/10/24 00:00
Date Received: 10/10/24 15:54

Lab Sample ID: 890-7228-6
Matrix: Solid

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			10/11/24 13:19	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.8	U	49.8		mg/Kg			10/11/24 18:00	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/11/24 08:40	10/11/24 18:00	1	
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/11/24 08:40	10/11/24 18:00	1	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/11/24 08:40	10/11/24 18:00	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	102		70 - 130				10/11/24 08:40	10/11/24 18:00	1	
o-Terphenyl	83		70 - 130				10/11/24 08:40	10/11/24 18:00	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	38.0		10.0		mg/Kg			10/11/24 11:41	1	

Client Sample ID: CS - 7 (8.5')
Date Collected: 10/10/24 00:00
Date Received: 10/10/24 15:54

Lab Sample ID: 890-7228-7
Matrix: Solid

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		10/11/24 09:31	10/11/24 13:40	1	
Toluene	<0.00202	U	0.00202		mg/Kg		10/11/24 09:31	10/11/24 13:40	1	
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/11/24 09:31	10/11/24 13:40	1	
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/11/24 09:31	10/11/24 13:40	1	
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/11/24 09:31	10/11/24 13:40	1	
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/11/24 09:31	10/11/24 13:40	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	109		70 - 130				10/11/24 09:31	10/11/24 13:40	1	
1,4-Difluorobenzene (Surr)	98		70 - 130				10/11/24 09:31	10/11/24 13:40	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			10/11/24 13:40	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			10/11/24 18:16	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		10/11/24 08:40	10/11/24 18:16	1	
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		10/11/24 08:40	10/11/24 18:16	1	

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Client Sample Results

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Client Sample ID: CS - 7 (8.5')

Lab Sample ID: 890-7228-7

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/11/24 08:40	10/11/24 18:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				10/11/24 08:40	10/11/24 18:16	1
o-Terphenyl	93		70 - 130				10/11/24 08:40	10/11/24 18:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.4		10.1		mg/Kg			10/11/24 11:46	1

Client Sample ID: CS - 8 (8.5')

Lab Sample ID: 890-7228-8

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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		10/11/24 09:31	10/11/24 14:00	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/11/24 09:31	10/11/24 14:00	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/11/24 09:31	10/11/24 14:00	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/11/24 09:31	10/11/24 14:00	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/11/24 09:31	10/11/24 14:00	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/11/24 09:31	10/11/24 14:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				10/11/24 09:31	10/11/24 14:00	1
1,4-Difluorobenzene (Surr)	99		70 - 130				10/11/24 09:31	10/11/24 14:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			10/11/24 14:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			10/11/24 18:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		10/11/24 08:40	10/11/24 18:32	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		10/11/24 08:40	10/11/24 18:32	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		10/11/24 08:40	10/11/24 18:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				10/11/24 08:40	10/11/24 18:32	1
o-Terphenyl	81		70 - 130				10/11/24 08:40	10/11/24 18:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	36.3		9.96		mg/Kg			10/11/24 11:52	1

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Client Sample Results

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Client Sample ID: CS - 9 (8.5')

Lab Sample ID: 890-7228-9

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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		10/11/24 09:31	10/11/24 14:21	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/24 09:31	10/11/24 14:21	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/24 09:31	10/11/24 14:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/24 09:31	10/11/24 14:21	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/24 09:31	10/11/24 14:21	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/24 09:31	10/11/24 14:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	10/11/24 09:31	10/11/24 14:21	1
1,4-Difluorobenzene (Surr)	99		70 - 130	10/11/24 09:31	10/11/24 14:21	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			10/11/24 14:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			10/11/24 18:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		10/11/24 08:40	10/11/24 18:49	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		10/11/24 08:40	10/11/24 18:49	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		10/11/24 08:40	10/11/24 18:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	10/11/24 08:40	10/11/24 18:49	1
o-Terphenyl	85		70 - 130	10/11/24 08:40	10/11/24 18:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	36.9		10.0		mg/Kg			10/11/24 11:57	1

Client Sample ID: CS - 10 (8.5')

Lab Sample ID: 890-7228-10

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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		10/11/24 09:31	10/11/24 14:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/24 09:31	10/11/24 14:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/24 09:31	10/11/24 14:41	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/11/24 09:31	10/11/24 14:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/24 09:31	10/11/24 14:41	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/11/24 09:31	10/11/24 14:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	10/11/24 09:31	10/11/24 14:41	1
1,4-Difluorobenzene (Surr)	98		70 - 130	10/11/24 09:31	10/11/24 14:41	1

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Client Sample Results

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Client Sample ID: CS - 10 (8.5')
Date Collected: 10/10/24 00:00
Date Received: 10/10/24 15:54

Lab Sample ID: 890-7228-10
Matrix: Solid

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			10/11/24 14:41	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.8	U	49.8		mg/Kg			10/11/24 19:04	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/11/24 08:40	10/11/24 19:04	1	
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/11/24 08:40	10/11/24 19:04	1	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/11/24 08:40	10/11/24 19:04	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	104		70 - 130				10/11/24 08:40	10/11/24 19:04	1	
o-Terphenyl	86		70 - 130				10/11/24 08:40	10/11/24 19:04	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	30.2		10.1		mg/Kg			10/11/24 12:02	1	

Client Sample ID: CS - 11 (8.5')
Date Collected: 10/10/24 00:00
Date Received: 10/10/24 15:54

Lab Sample ID: 890-7228-11
Matrix: Solid

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		10/11/24 09:31	10/11/24 16:16	1	
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/24 09:31	10/11/24 16:16	1	
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/24 09:31	10/11/24 16:16	1	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/24 09:31	10/11/24 16:16	1	
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/24 09:31	10/11/24 16:16	1	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/24 09:31	10/11/24 16:16	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	115		70 - 130				10/11/24 09:31	10/11/24 16:16	1	
1,4-Difluorobenzene (Surr)	100		70 - 130				10/11/24 09:31	10/11/24 16:16	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			10/11/24 16:16	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.7	U	49.7		mg/Kg			10/11/24 19:36	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		10/11/24 08:40	10/11/24 19:36	1	
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		10/11/24 08:40	10/11/24 19:36	1	

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Client Sample Results

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Client Sample ID: CS - 11 (8.5')

Lab Sample ID: 890-7228-11

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/11/24 08:40	10/11/24 19:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				10/11/24 08:40	10/11/24 19:36	1
o-Terphenyl	91		70 - 130				10/11/24 08:40	10/11/24 19:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.0		10.1		mg/Kg			10/11/24 12:08	1

Client Sample ID: CS - 12 (8.5')

Lab Sample ID: 890-7228-12

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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		10/11/24 09:31	10/11/24 16:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/24 09:31	10/11/24 16:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/24 09:31	10/11/24 16:36	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/11/24 09:31	10/11/24 16:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/24 09:31	10/11/24 16:36	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/11/24 09:31	10/11/24 16:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				10/11/24 09:31	10/11/24 16:36	1
1,4-Difluorobenzene (Surr)	90		70 - 130				10/11/24 09:31	10/11/24 16:36	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			10/11/24 16:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/11/24 19:52	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	<49.8	U	49.8		mg/Kg		10/11/24 08:40	10/11/24 19:52	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/11/24 08:40	10/11/24 19:52	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/11/24 08:40	10/11/24 19:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				10/11/24 08:40	10/11/24 19:52	1
o-Terphenyl	91		70 - 130				10/11/24 08:40	10/11/24 19:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	31.3		9.98		mg/Kg			10/11/24 12:24	1

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Client Sample Results

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Client Sample ID: CS - 13 (8.5')

Lab Sample ID: 890-7228-13

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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		10/11/24 09:31	10/11/24 16:57	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/11/24 09:31	10/11/24 16:57	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/11/24 09:31	10/11/24 16:57	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/11/24 09:31	10/11/24 16:57	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/11/24 09:31	10/11/24 16:57	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/11/24 09:31	10/11/24 16:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	10/11/24 09:31	10/11/24 16:57	1
1,4-Difluorobenzene (Surr)	99		70 - 130	10/11/24 09:31	10/11/24 16:57	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			10/11/24 16:57	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			10/11/24 20:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/11/24 08:40	10/11/24 20:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/11/24 08:40	10/11/24 20:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/11/24 08:40	10/11/24 20:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	10/11/24 08:40	10/11/24 20:08	1
o-Terphenyl	83		70 - 130	10/11/24 08:40	10/11/24 20:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	34.5		9.96		mg/Kg			10/11/24 12:29	1

Client Sample ID: CS - 14 (8.5')

Lab Sample ID: 890-7228-14

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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		10/11/24 09:31	10/11/24 17:17	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/11/24 09:31	10/11/24 17:17	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/11/24 09:31	10/11/24 17:17	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/11/24 09:31	10/11/24 17:17	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/11/24 09:31	10/11/24 17:17	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/11/24 09:31	10/11/24 17:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	10/11/24 09:31	10/11/24 17:17	1
1,4-Difluorobenzene (Surr)	99		70 - 130	10/11/24 09:31	10/11/24 17:17	1

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Client Sample Results

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Client Sample ID: CS - 14 (8.5')

Lab Sample ID: 890-7228-14

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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			10/11/24 17:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/11/24 20:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/11/24 08:40	10/11/24 20:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/11/24 08:40	10/11/24 20:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/11/24 08:40	10/11/24 20:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				10/11/24 08:40	10/11/24 20:23	1
o-Terphenyl	91		70 - 130				10/11/24 08:40	10/11/24 20:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	30.1		10.1		mg/Kg			10/11/24 12:46	1

Client Sample ID: CS - 15 (8.5')

Lab Sample ID: 890-7228-15

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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		10/11/24 09:31	10/11/24 17:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/24 09:31	10/11/24 17:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/24 09:31	10/11/24 17:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/24 09:31	10/11/24 17:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/24 09:31	10/11/24 17:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/24 09:31	10/11/24 17:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				10/11/24 09:31	10/11/24 17:38	1
1,4-Difluorobenzene (Surr)	101		70 - 130				10/11/24 09:31	10/11/24 17:38	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			10/11/24 17:38	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			10/11/24 20:39	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		10/11/24 08:40	10/11/24 20:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/11/24 08:40	10/11/24 20:39	1

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Client Sample Results

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Client Sample ID: CS - 15 (8.5')

Lab Sample ID: 890-7228-15

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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		10/11/24 08:40	10/11/24 20:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				10/11/24 08:40	10/11/24 20:39	1
o-Terphenyl	89		70 - 130				10/11/24 08:40	10/11/24 20:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	32.2		9.94		mg/Kg			10/11/24 12:51	1

Client Sample ID: CS - 16 (8.5')

Lab Sample ID: 890-7228-16

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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		10/11/24 09:31	10/11/24 17:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/24 09:31	10/11/24 17:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/24 09:31	10/11/24 17:58	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/11/24 09:31	10/11/24 17:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/24 09:31	10/11/24 17:58	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/11/24 09:31	10/11/24 17:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				10/11/24 09:31	10/11/24 17:58	1
1,4-Difluorobenzene (Surr)	98		70 - 130				10/11/24 09:31	10/11/24 17:58	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			10/11/24 17:58	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			10/11/24 20:56	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	<50.0	U	50.0		mg/Kg		10/11/24 08:40	10/11/24 20:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/11/24 08:40	10/11/24 20:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/11/24 08:40	10/11/24 20:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				10/11/24 08:40	10/11/24 20:56	1
o-Terphenyl	84		70 - 130				10/11/24 08:40	10/11/24 20:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	33.7		9.92		mg/Kg			10/11/24 12:57	1

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Client Sample Results

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Client Sample ID: CS - 17 (8.5')

Lab Sample ID: 890-7228-17

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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		10/11/24 09:31	10/11/24 18:19	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/11/24 09:31	10/11/24 18:19	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/11/24 09:31	10/11/24 18:19	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/11/24 09:31	10/11/24 18:19	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/11/24 09:31	10/11/24 18:19	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/11/24 09:31	10/11/24 18:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	10/11/24 09:31	10/11/24 18:19	1
1,4-Difluorobenzene (Surr)	99		70 - 130	10/11/24 09:31	10/11/24 18:19	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			10/11/24 18:19	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			10/11/24 21:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/11/24 08:40	10/11/24 21:11	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/11/24 08:40	10/11/24 21:11	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/11/24 08:40	10/11/24 21:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	10/11/24 08:40	10/11/24 21:11	1
o-Terphenyl	84		70 - 130	10/11/24 08:40	10/11/24 21:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42.1		10.0		mg/Kg			10/11/24 13:02	1

Client Sample ID: CS - 18 (8.5')

Lab Sample ID: 890-7228-18

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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		10/11/24 09:31	10/11/24 18:39	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/11/24 09:31	10/11/24 18:39	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/11/24 09:31	10/11/24 18:39	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/11/24 09:31	10/11/24 18:39	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/11/24 09:31	10/11/24 18:39	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/11/24 09:31	10/11/24 18:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	10/11/24 09:31	10/11/24 18:39	1
1,4-Difluorobenzene (Surr)	94		70 - 130	10/11/24 09:31	10/11/24 18:39	1

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Client Sample Results

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Client Sample ID: CS - 18 (8.5')

Lab Sample ID: 890-7228-18

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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			10/11/24 18:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/11/24 21:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		10/11/24 08:40	10/11/24 21:27	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		10/11/24 08:40	10/11/24 21:27	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/11/24 08:40	10/11/24 21:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				10/11/24 08:40	10/11/24 21:27	1
o-Terphenyl	85		70 - 130				10/11/24 08:40	10/11/24 21:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25.0		10.1		mg/Kg			10/11/24 13:07	1

Client Sample ID: CS - 19 (8.5')

Lab Sample ID: 890-7228-19

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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		10/11/24 09:31	10/11/24 18:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/24 09:31	10/11/24 18:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/24 09:31	10/11/24 18:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/24 09:31	10/11/24 18:59	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/24 09:31	10/11/24 18:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/24 09:31	10/11/24 18:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				10/11/24 09:31	10/11/24 18:59	1
1,4-Difluorobenzene (Surr)	98		70 - 130				10/11/24 09:31	10/11/24 18:59	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/11/24 18:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/11/24 21:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/11/24 08:40	10/11/24 21:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/11/24 08:40	10/11/24 21:42	1

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Client Sample Results

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Client Sample ID: CS - 19 (8.5')

Lab Sample ID: 890-7228-19

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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		10/11/24 08:40	10/11/24 21:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				10/11/24 08:40	10/11/24 21:42	1
o-Terphenyl	93		70 - 130				10/11/24 08:40	10/11/24 21:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			10/11/24 13:13	1

Client Sample ID: CS - 20 (8.5')

Lab Sample ID: 890-7228-20

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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		10/11/24 09:31	10/11/24 19:20	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/11/24 09:31	10/11/24 19:20	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/11/24 09:31	10/11/24 19:20	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/11/24 09:31	10/11/24 19:20	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/11/24 09:31	10/11/24 19:20	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/11/24 09:31	10/11/24 19:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				10/11/24 09:31	10/11/24 19:20	1
1,4-Difluorobenzene (Surr)	98		70 - 130				10/11/24 09:31	10/11/24 19:20	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			10/11/24 19:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/11/24 21:58	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		10/11/24 08:40	10/11/24 21:58	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/11/24 08:40	10/11/24 21:58	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/11/24 08:40	10/11/24 21:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				10/11/24 08:40	10/11/24 21:58	1
o-Terphenyl	83		70 - 130				10/11/24 08:40	10/11/24 21:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	32.3		9.98		mg/Kg			10/11/24 13:18	1

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Client Sample Results

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Client Sample ID: CS - 21 (8.5')

Lab Sample ID: 890-7228-21

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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		10/11/24 09:32	10/11/24 12:09	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/11/24 09:32	10/11/24 12:09	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/11/24 09:32	10/11/24 12:09	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/11/24 09:32	10/11/24 12:09	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/11/24 09:32	10/11/24 12:09	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/11/24 09:32	10/11/24 12:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130	10/11/24 09:32	10/11/24 12:09	1
1,4-Difluorobenzene (Surr)	94		70 - 130	10/11/24 09:32	10/11/24 12:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/11/24 12:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/11/24 16:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/11/24 08:43	10/11/24 16:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U *	49.9		mg/Kg		10/11/24 08:43	10/11/24 16:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/11/24 08:43	10/11/24 16:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130	10/11/24 08:43	10/11/24 16:03	1
o-Terphenyl	118		70 - 130	10/11/24 08:43	10/11/24 16:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.2		9.92		mg/Kg			10/11/24 17:24	1

Client Sample ID: CS - 22 (8.5')

Lab Sample ID: 890-7228-22

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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		10/14/24 09:57	10/15/24 11:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/14/24 09:57	10/15/24 11:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/24 09:57	10/15/24 11:56	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/14/24 09:57	10/15/24 11:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/14/24 09:57	10/15/24 11:56	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/14/24 09:57	10/15/24 11:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	10/14/24 09:57	10/15/24 11:56	1
1,4-Difluorobenzene (Surr)	100		70 - 130	10/14/24 09:57	10/15/24 11:56	1

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Client Sample Results

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Client Sample ID: CS - 22 (8.5')

Lab Sample ID: 890-7228-22

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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			10/15/24 11:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/11/24 16:57	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		10/11/24 08:43	10/11/24 16:57	1
Diesel Range Organics (Over C10-C28)	<49.8	U **	49.8		mg/Kg		10/11/24 08:43	10/11/24 16:57	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/11/24 08:43	10/11/24 16:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130				10/11/24 08:43	10/11/24 16:57	1
o-Terphenyl	118		70 - 130				10/11/24 08:43	10/11/24 16:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.90	U	9.90		mg/Kg			10/11/24 17:44	1

Client Sample ID: CS - 23 (8.5')

Lab Sample ID: 890-7228-23

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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		10/11/24 09:32	10/11/24 12:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/24 09:32	10/11/24 12:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/24 09:32	10/11/24 12:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/24 09:32	10/11/24 12:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/24 09:32	10/11/24 12:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/24 09:32	10/11/24 12:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				10/11/24 09:32	10/11/24 12:50	1
1,4-Difluorobenzene (Surr)	105		70 - 130				10/11/24 09:32	10/11/24 12:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/11/24 12:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/11/24 17:12	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	<49.8	U	49.8		mg/Kg		10/11/24 08:43	10/11/24 17:12	1
Diesel Range Organics (Over C10-C28)	<49.8	U **	49.8		mg/Kg		10/11/24 08:43	10/11/24 17:12	1

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Client Sample Results

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Client Sample ID: CS - 23 (8.5')

Lab Sample ID: 890-7228-23

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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		10/11/24 08:43	10/11/24 17:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	139	S1+	70 - 130				10/11/24 08:43	10/11/24 17:12	1
o-Terphenyl	133	S1+	70 - 130				10/11/24 08:43	10/11/24 17:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	36.1		9.92		mg/Kg			10/11/24 17:50	1

Client Sample ID: CS - 24 (8.5')

Lab Sample ID: 890-7228-24

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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		10/11/24 09:32	10/11/24 13:10	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/24 09:32	10/11/24 13:10	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/24 09:32	10/11/24 13:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/24 09:32	10/11/24 13:10	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/24 09:32	10/11/24 13:10	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/24 09:32	10/11/24 13:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				10/11/24 09:32	10/11/24 13:10	1
1,4-Difluorobenzene (Surr)	101		70 - 130				10/11/24 09:32	10/11/24 13:10	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			10/11/24 13:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			10/11/24 17:29	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	<49.6	U	49.6		mg/Kg		10/11/24 08:43	10/11/24 17:29	1
Diesel Range Organics (Over C10-C28)	<49.6	U **	49.6		mg/Kg		10/11/24 08:43	10/11/24 17:29	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		10/11/24 08:43	10/11/24 17:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130				10/11/24 08:43	10/11/24 17:29	1
o-Terphenyl	128		70 - 130				10/11/24 08:43	10/11/24 17:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	36.7		9.96		mg/Kg			10/11/24 17:57	1

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Client Sample Results

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Client Sample ID: CS - 25 (8.5')

Lab Sample ID: 890-7228-25

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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		10/11/24 09:32	10/11/24 13:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/24 09:32	10/11/24 13:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/24 09:32	10/11/24 13:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/24 09:32	10/11/24 13:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/24 09:32	10/11/24 13:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/24 09:32	10/11/24 13:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	10/11/24 09:32	10/11/24 13:30	1
1,4-Difluorobenzene (Surr)	106		70 - 130	10/11/24 09:32	10/11/24 13:30	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			10/11/24 13:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/11/24 17:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/11/24 08:43	10/11/24 17:45	1
Diesel Range Organics (Over C10-C28)	<49.8	U *	49.8		mg/Kg		10/11/24 08:43	10/11/24 17:45	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/11/24 08:43	10/11/24 17:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130	10/11/24 08:43	10/11/24 17:45	1
o-Terphenyl	124		70 - 130	10/11/24 08:43	10/11/24 17:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	33.6		10.1		mg/Kg			10/11/24 18:04	1

Client Sample ID: CS - 26 (8.5')

Lab Sample ID: 890-7228-26

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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		10/11/24 09:32	10/11/24 13:51	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/11/24 09:32	10/11/24 13:51	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/11/24 09:32	10/11/24 13:51	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/11/24 09:32	10/11/24 13:51	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/11/24 09:32	10/11/24 13:51	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/11/24 09:32	10/11/24 13:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	10/11/24 09:32	10/11/24 13:51	1
1,4-Difluorobenzene (Surr)	104		70 - 130	10/11/24 09:32	10/11/24 13:51	1

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Client Sample Results

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Client Sample ID: CS - 26 (8.5')

Lab Sample ID: 890-7228-26

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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			10/11/24 13:51	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			10/11/24 18:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/11/24 08:43	10/11/24 18:00	1
Diesel Range Organics (Over C10-C28)	<49.8	U **	49.8		mg/Kg		10/11/24 08:43	10/11/24 18:00	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/11/24 08:43	10/11/24 18:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	133	S1+	70 - 130				10/11/24 08:43	10/11/24 18:00	1
o-Terphenyl	125		70 - 130				10/11/24 08:43	10/11/24 18:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18.7		10.0		mg/Kg			10/11/24 18:24	1

Client Sample ID: CS - 27 (8.5')

Lab Sample ID: 890-7228-27

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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		10/11/24 09:32	10/11/24 14:11	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/11/24 09:32	10/11/24 14:11	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/11/24 09:32	10/11/24 14:11	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/11/24 09:32	10/11/24 14:11	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/11/24 09:32	10/11/24 14:11	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/11/24 09:32	10/11/24 14:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				10/11/24 09:32	10/11/24 14:11	1
1,4-Difluorobenzene (Surr)	106		70 - 130				10/11/24 09:32	10/11/24 14:11	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			10/11/24 14:11	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			10/11/24 18:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/11/24 08:43	10/11/24 18:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0		mg/Kg		10/11/24 08:43	10/11/24 18:16	1

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Client Sample Results

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Client Sample ID: CS - 27 (8.5')

Lab Sample ID: 890-7228-27

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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		10/11/24 08:43	10/11/24 18:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130				10/11/24 08:43	10/11/24 18:16	1
o-Terphenyl	124		70 - 130				10/11/24 08:43	10/11/24 18:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.3		10.1		mg/Kg			10/11/24 18:31	1

Client Sample ID: CS - 28 (8.5')

Lab Sample ID: 890-7228-28

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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		10/11/24 09:32	10/11/24 14:32	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/11/24 09:32	10/11/24 14:32	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/11/24 09:32	10/11/24 14:32	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/11/24 09:32	10/11/24 14:32	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/11/24 09:32	10/11/24 14:32	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/11/24 09:32	10/11/24 14:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				10/11/24 09:32	10/11/24 14:32	1
1,4-Difluorobenzene (Surr)	107		70 - 130				10/11/24 09:32	10/11/24 14:32	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			10/11/24 14:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/11/24 18:32	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		10/11/24 08:43	10/11/24 18:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U **	49.9		mg/Kg		10/11/24 08:43	10/11/24 18:32	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/11/24 08:43	10/11/24 18:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130				10/11/24 08:43	10/11/24 18:32	1
o-Terphenyl	119		70 - 130				10/11/24 08:43	10/11/24 18:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22.2		9.94		mg/Kg			10/11/24 18:37	1

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Client Sample Results

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Client Sample ID: SW - 1 (3.5'-8.5')

Lab Sample ID: 890-7228-29

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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		10/11/24 09:32	10/11/24 14:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/24 09:32	10/11/24 14:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/24 09:32	10/11/24 14:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/24 09:32	10/11/24 14:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/24 09:32	10/11/24 14:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/24 09:32	10/11/24 14:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	10/11/24 09:32	10/11/24 14:52	1
1,4-Difluorobenzene (Surr)	103		70 - 130	10/11/24 09:32	10/11/24 14:52	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			10/11/24 14:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/11/24 18:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/11/24 08:43	10/11/24 18:49	1
Diesel Range Organics (Over C10-C28)	<49.8	U *	49.8		mg/Kg		10/11/24 08:43	10/11/24 18:49	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/11/24 08:43	10/11/24 18:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130	10/11/24 08:43	10/11/24 18:49	1
o-Terphenyl	111		70 - 130	10/11/24 08:43	10/11/24 18:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	60.0		10.1		mg/Kg			10/11/24 18:44	1

Client Sample ID: SW - 2 (3.5'-8.5')

Lab Sample ID: 890-7228-30

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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		10/11/24 09:32	10/11/24 15:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/24 09:32	10/11/24 15:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/24 09:32	10/11/24 15:13	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/11/24 09:32	10/11/24 15:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/24 09:32	10/11/24 15:13	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/11/24 09:32	10/11/24 15:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	10/11/24 09:32	10/11/24 15:13	1
1,4-Difluorobenzene (Surr)	107		70 - 130	10/11/24 09:32	10/11/24 15:13	1

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Client Sample Results

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Client Sample ID: SW - 2 (3.5'-8.5')

Lab Sample ID: 890-7228-30

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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			10/11/24 15:13	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			10/11/24 19:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		10/11/24 08:43	10/11/24 19:04	1
Diesel Range Organics (Over C10-C28)	<49.7	U **	49.7		mg/Kg		10/11/24 08:43	10/11/24 19:04	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/11/24 08:43	10/11/24 19:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130				10/11/24 08:43	10/11/24 19:04	1
o-Terphenyl	123		70 - 130				10/11/24 08:43	10/11/24 19:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	36.7		10.1		mg/Kg			10/11/24 18:51	1

Client Sample ID: SW - 3 (4.5'-8.5')

Lab Sample ID: 890-7228-31

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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		10/11/24 09:32	10/11/24 17:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/24 09:32	10/11/24 17:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/24 09:32	10/11/24 17:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/24 09:32	10/11/24 17:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/24 09:32	10/11/24 17:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/24 09:32	10/11/24 17:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				10/11/24 09:32	10/11/24 17:03	1
1,4-Difluorobenzene (Surr)	107		70 - 130				10/11/24 09:32	10/11/24 17:03	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			10/11/24 17:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/11/24 19:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/11/24 08:43	10/11/24 19:36	1
Diesel Range Organics (Over C10-C28)	<49.8	U **	49.8		mg/Kg		10/11/24 08:43	10/11/24 19:36	1

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Client Sample Results

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Client Sample ID: SW - 3 (4.5'-8.5')

Lab Sample ID: 890-7228-31

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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		10/11/24 08:43	10/11/24 19:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130				10/11/24 08:43	10/11/24 19:36	1
o-Terphenyl	117		70 - 130				10/11/24 08:43	10/11/24 19:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	163		9.96		mg/Kg			10/11/24 18:57	1

Client Sample ID: SW - 4 (8.5')

Lab Sample ID: 890-7228-32

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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		10/11/24 09:32	10/11/24 17:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/24 09:32	10/11/24 17:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/24 09:32	10/11/24 17:24	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/11/24 09:32	10/11/24 17:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/24 09:32	10/11/24 17:24	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/11/24 09:32	10/11/24 17:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				10/11/24 09:32	10/11/24 17:24	1
1,4-Difluorobenzene (Surr)	101		70 - 130				10/11/24 09:32	10/11/24 17:24	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			10/11/24 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			10/11/24 19:52	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		10/11/24 08:43	10/11/24 19:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U *	50.0		mg/Kg		10/11/24 08:43	10/11/24 19:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/11/24 08:43	10/11/24 19:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				10/11/24 08:43	10/11/24 19:52	1
o-Terphenyl	112		70 - 130				10/11/24 08:43	10/11/24 19:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	136		9.92		mg/Kg			10/11/24 19:17	1

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Client Sample Results

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Client Sample ID: SW - 5 (4.5'-8.5')

Lab Sample ID: 890-7228-33

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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		10/11/24 09:32	10/11/24 17:44	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/11/24 09:32	10/11/24 17:44	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/11/24 09:32	10/11/24 17:44	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/11/24 09:32	10/11/24 17:44	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/11/24 09:32	10/11/24 17:44	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/11/24 09:32	10/11/24 17:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	10/11/24 09:32	10/11/24 17:44	1
1,4-Difluorobenzene (Surr)	108		70 - 130	10/11/24 09:32	10/11/24 17:44	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			10/11/24 17:44	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			10/11/24 20:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/11/24 08:43	10/11/24 20:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U *	49.9		mg/Kg		10/11/24 08:43	10/11/24 20:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/11/24 08:43	10/11/24 20:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130	10/11/24 08:43	10/11/24 20:08	1
o-Terphenyl	121		70 - 130	10/11/24 08:43	10/11/24 20:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42.3		10.1		mg/Kg			10/11/24 19:24	1

Client Sample ID: SW - 6 (8.5')

Lab Sample ID: 890-7228-34

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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		10/11/24 09:32	10/11/24 18:05	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/11/24 09:32	10/11/24 18:05	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/11/24 09:32	10/11/24 18:05	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/11/24 09:32	10/11/24 18:05	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/11/24 09:32	10/11/24 18:05	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/11/24 09:32	10/11/24 18:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	10/11/24 09:32	10/11/24 18:05	1
1,4-Difluorobenzene (Surr)	102		70 - 130	10/11/24 09:32	10/11/24 18:05	1

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Client Sample Results

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Client Sample ID: SW - 6 (8.5')

Lab Sample ID: 890-7228-34

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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			10/11/24 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			10/11/24 20:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/11/24 08:43	10/11/24 20:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U **	49.9		mg/Kg		10/11/24 08:43	10/11/24 20:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/11/24 08:43	10/11/24 20:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130				10/11/24 08:43	10/11/24 20:23	1
o-Terphenyl	117		70 - 130				10/11/24 08:43	10/11/24 20:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	77.8		10.0		mg/Kg			10/11/24 19:44	1

Client Sample ID: SW - 7 (4.5'-8.5')

Lab Sample ID: 890-7228-35

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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		10/11/24 09:32	10/11/24 18:25	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/24 09:32	10/11/24 18:25	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/24 09:32	10/11/24 18:25	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/24 09:32	10/11/24 18:25	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/24 09:32	10/11/24 18:25	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/24 09:32	10/11/24 18:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				10/11/24 09:32	10/11/24 18:25	1
1,4-Difluorobenzene (Surr)	109		70 - 130				10/11/24 09:32	10/11/24 18:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/11/24 18:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/11/24 20:39	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		10/11/24 08:43	10/11/24 20:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0		mg/Kg		10/11/24 08:43	10/11/24 20:39	1

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Client Sample Results

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Client Sample ID: SW - 7 (4.5'-8.5')

Lab Sample ID: 890-7228-35

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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		10/11/24 08:43	10/11/24 20:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130				10/11/24 08:43	10/11/24 20:39	1
o-Terphenyl	127		70 - 130				10/11/24 08:43	10/11/24 20:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	101		10.0		mg/Kg			10/11/24 19:51	1

Client Sample ID: SW - 8 (8.5')

Lab Sample ID: 890-7228-36

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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		10/11/24 09:32	10/11/24 18:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/24 09:32	10/11/24 18:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/24 09:32	10/11/24 18:46	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/11/24 09:32	10/11/24 18:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/24 09:32	10/11/24 18:46	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/11/24 09:32	10/11/24 18:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				10/11/24 09:32	10/11/24 18:46	1
1,4-Difluorobenzene (Surr)	105		70 - 130				10/11/24 09:32	10/11/24 18:46	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			10/11/24 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			10/11/24 20:56	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		10/11/24 08:43	10/11/24 20:56	1
Diesel Range Organics (Over C10-C28)	<49.8	U **	49.8		mg/Kg		10/11/24 08:43	10/11/24 20:56	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/11/24 08:43	10/11/24 20:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130				10/11/24 08:43	10/11/24 20:56	1
o-Terphenyl	124		70 - 130				10/11/24 08:43	10/11/24 20:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	180		9.94		mg/Kg			10/11/24 19:57	1

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Client Sample Results

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Client Sample ID: SW - 9 (4.5'-8.5')

Lab Sample ID: 890-7228-37

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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		10/11/24 09:32	10/11/24 19:06	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/11/24 09:32	10/11/24 19:06	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/11/24 09:32	10/11/24 19:06	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/11/24 09:32	10/11/24 19:06	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/11/24 09:32	10/11/24 19:06	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/11/24 09:32	10/11/24 19:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130	10/11/24 09:32	10/11/24 19:06	1
1,4-Difluorobenzene (Surr)	128		70 - 130	10/11/24 09:32	10/11/24 19:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/11/24 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	<49.9	U	49.9		mg/Kg			10/11/24 21:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/11/24 08:43	10/11/24 21:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U *	49.9		mg/Kg		10/11/24 08:43	10/11/24 21:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/11/24 08:43	10/11/24 21:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130	10/11/24 08:43	10/11/24 21:11	1
o-Terphenyl	121		70 - 130	10/11/24 08:43	10/11/24 21:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	97.0		9.94		mg/Kg			10/11/24 20:04	1

Client Sample ID: SW - 10 (4.5'-8.5')

Lab Sample ID: 890-7228-38

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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		10/11/24 09:32	10/11/24 19:27	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/11/24 09:32	10/11/24 19:27	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/11/24 09:32	10/11/24 19:27	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/11/24 09:32	10/11/24 19:27	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/11/24 09:32	10/11/24 19:27	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/11/24 09:32	10/11/24 19:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	183	S1+	70 - 130	10/11/24 09:32	10/11/24 19:27	1
1,4-Difluorobenzene (Surr)	130		70 - 130	10/11/24 09:32	10/11/24 19:27	1

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Client Sample Results

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Client Sample ID: SW - 10 (4.5'-8.5')

Lab Sample ID: 890-7228-38

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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			10/11/24 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	<49.7	U	49.7		mg/Kg			10/11/24 21:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		10/11/24 08:43	10/11/24 21:27	1
Diesel Range Organics (Over C10-C28)	<49.7	U **	49.7		mg/Kg		10/11/24 08:43	10/11/24 21:27	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/11/24 08:43	10/11/24 21:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				10/11/24 08:43	10/11/24 21:27	1
o-Terphenyl	114		70 - 130				10/11/24 08:43	10/11/24 21:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	35.5		9.96		mg/Kg			10/11/24 20:11	1

Client Sample ID: SW - 11 (8.5')

Lab Sample ID: 890-7228-39

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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		10/11/24 09:32	10/11/24 19:47	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/24 09:32	10/11/24 19:47	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/24 09:32	10/11/24 19:47	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/24 09:32	10/11/24 19:47	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/24 09:32	10/11/24 19:47	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/24 09:32	10/11/24 19:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				10/11/24 09:32	10/11/24 19:47	1
1,4-Difluorobenzene (Surr)	105		70 - 130				10/11/24 09:32	10/11/24 19:47	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/11/24 19:47	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			10/11/24 21:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/11/24 08:43	10/11/24 21:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0		mg/Kg		10/11/24 08:43	10/11/24 21:42	1

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Client Sample Results

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Client Sample ID: SW - 11 (8.5')

Lab Sample ID: 890-7228-39

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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		10/11/24 08:43	10/11/24 21:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130				10/11/24 08:43	10/11/24 21:42	1
o-Terphenyl	120		70 - 130				10/11/24 08:43	10/11/24 21:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	63.5		10.1		mg/Kg			10/11/24 20:17	1

Client Sample ID: SW - 12 (8.5')

Lab Sample ID: 890-7228-40

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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		10/11/24 09:32	10/11/24 20:08	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/11/24 09:32	10/11/24 20:08	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/11/24 09:32	10/11/24 20:08	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/11/24 09:32	10/11/24 20:08	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/11/24 09:32	10/11/24 20:08	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/11/24 09:32	10/11/24 20:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				10/11/24 09:32	10/11/24 20:08	1
1,4-Difluorobenzene (Surr)	111		70 - 130				10/11/24 09:32	10/11/24 20:08	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			10/11/24 20:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/11/24 21:58	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		10/11/24 08:43	10/11/24 21:58	1
Diesel Range Organics (Over C10-C28)	<49.8	U **	49.8		mg/Kg		10/11/24 08:43	10/11/24 21:58	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/11/24 08:43	10/11/24 21:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130				10/11/24 08:43	10/11/24 21:58	1
o-Terphenyl	119		70 - 130				10/11/24 08:43	10/11/24 21:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42.8		10.0		mg/Kg			10/11/24 20:24	1

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Client Sample Results

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Client Sample ID: SW - 13 (8.5')

Lab Sample ID: 890-7228-41

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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		10/11/24 09:34	10/11/24 11:28	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/11/24 09:34	10/11/24 11:28	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/11/24 09:34	10/11/24 11:28	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/11/24 09:34	10/11/24 11:28	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/11/24 09:34	10/11/24 11:28	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/11/24 09:34	10/11/24 11:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	10/11/24 09:34	10/11/24 11:28	1
1,4-Difluorobenzene (Surr)	100		70 - 130	10/11/24 09:34	10/11/24 11:28	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			10/11/24 11:28	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			10/12/24 02:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/10/24 10:18	10/12/24 02:59	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/10/24 10:18	10/12/24 02:59	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/10/24 10:18	10/12/24 02:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130	10/10/24 10:18	10/12/24 02:59	1
o-Terphenyl	115		70 - 130	10/10/24 10:18	10/12/24 02:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	124		9.92		mg/Kg			10/11/24 16:11	1

Client Sample ID: SW - 14 (8.5')

Lab Sample ID: 890-7228-42

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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		10/11/24 09:34	10/11/24 11:48	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/11/24 09:34	10/11/24 11:48	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/11/24 09:34	10/11/24 11:48	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/11/24 09:34	10/11/24 11:48	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/11/24 09:34	10/11/24 11:48	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/11/24 09:34	10/11/24 11:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	10/11/24 09:34	10/11/24 11:48	1
1,4-Difluorobenzene (Surr)	101		70 - 130	10/11/24 09:34	10/11/24 11:48	1

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Client Sample Results

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Client Sample ID: SW - 14 (8.5')

Lab Sample ID: 890-7228-42

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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			10/11/24 11:48	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			10/12/24 03:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/10/24 10:18	10/12/24 03:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/10/24 10:18	10/12/24 03:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/10/24 10:18	10/12/24 03:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				10/10/24 10:18	10/12/24 03:30	1
o-Terphenyl	114		70 - 130				10/10/24 10:18	10/12/24 03:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	115		10.1		mg/Kg			10/11/24 16:28	1

Client Sample ID: SW - 15 (8.5')

Lab Sample ID: 890-7228-43

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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		10/11/24 09:34	10/11/24 12:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/24 09:34	10/11/24 12:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/24 09:34	10/11/24 12:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/24 09:34	10/11/24 12:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/24 09:34	10/11/24 12:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/24 09:34	10/11/24 12:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				10/11/24 09:34	10/11/24 12:09	1
1,4-Difluorobenzene (Surr)	101		70 - 130				10/11/24 09:34	10/11/24 12:09	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			10/11/24 12:09	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			10/12/24 03:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/10/24 10:18	10/12/24 03:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/10/24 10:18	10/12/24 03:45	1

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Client Sample Results

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Client Sample ID: SW - 15 (8.5')

Lab Sample ID: 890-7228-43

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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		10/10/24 10:18	10/12/24 03:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				10/10/24 10:18	10/12/24 03:45	1
o-Terphenyl	111		70 - 130				10/10/24 10:18	10/12/24 03:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	117		10.0		mg/Kg			10/11/24 16:33	1

Client Sample ID: SW - 16 (8.5')

Lab Sample ID: 890-7228-44

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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		10/11/24 09:34	10/11/24 12:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/24 09:34	10/11/24 12:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/24 09:34	10/11/24 12:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/24 09:34	10/11/24 12:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/24 09:34	10/11/24 12:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/24 09:34	10/11/24 12:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				10/11/24 09:34	10/11/24 12:29	1
1,4-Difluorobenzene (Surr)	101		70 - 130				10/11/24 09:34	10/11/24 12:29	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			10/11/24 12:29	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			10/12/24 04:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/10/24 10:18	10/12/24 04:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/10/24 10:18	10/12/24 04:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/10/24 10:18	10/12/24 04:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				10/10/24 10:18	10/12/24 04:01	1
o-Terphenyl	112		70 - 130				10/10/24 10:18	10/12/24 04:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	168		10.0		mg/Kg			10/11/24 16:39	1

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Client Sample Results

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Client Sample ID: SW - 17 (8.5')

Lab Sample ID: 890-7228-45

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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		10/11/24 09:34	10/11/24 12:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/24 09:34	10/11/24 12:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/24 09:34	10/11/24 12:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/24 09:34	10/11/24 12:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/24 09:34	10/11/24 12:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/24 09:34	10/11/24 12:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	10/11/24 09:34	10/11/24 12:50	1
1,4-Difluorobenzene (Surr)	104		70 - 130	10/11/24 09:34	10/11/24 12:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/11/24 12:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/12/24 04:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		10/10/24 10:18	10/12/24 04:17	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		10/10/24 10:18	10/12/24 04:17	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/10/24 10:18	10/12/24 04:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130	10/10/24 10:18	10/12/24 04:17	1
o-Terphenyl	116		70 - 130	10/10/24 10:18	10/12/24 04:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	144		10.0		mg/Kg			10/11/24 16:44	1

Client Sample ID: SW - 18 (8.5')

Lab Sample ID: 890-7228-46

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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		10/11/24 09:34	10/11/24 16:05	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/11/24 09:34	10/11/24 16:05	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/11/24 09:34	10/11/24 16:05	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/11/24 09:34	10/11/24 16:05	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/11/24 09:34	10/11/24 16:05	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/11/24 09:34	10/11/24 16:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	10/11/24 09:34	10/11/24 16:05	1
1,4-Difluorobenzene (Surr)	104		70 - 130	10/11/24 09:34	10/11/24 16:05	1

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Client Sample Results

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Client Sample ID: SW - 18 (8.5')
Date Collected: 10/10/24 00:00
Date Received: 10/10/24 15:54

Lab Sample ID: 890-7228-46
Matrix: Solid

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			10/11/24 16:05	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.8	U	49.8		mg/Kg			10/12/24 04:33	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/10/24 10:18	10/12/24 04:33	1	
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/10/24 10:18	10/12/24 04:33	1	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/10/24 10:18	10/12/24 04:33	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	131	S1+	70 - 130				10/10/24 10:18	10/12/24 04:33	1	
o-Terphenyl	122		70 - 130				10/10/24 10:18	10/12/24 04:33	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	151		10.1		mg/Kg			10/11/24 16:50	1	

Client Sample ID: SW - 19 (8.5')
Date Collected: 10/10/24 00:00
Date Received: 10/10/24 15:54

Lab Sample ID: 890-7228-47
Matrix: Solid

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		10/11/24 09:34	10/11/24 16:26	1	
Toluene	<0.00202	U	0.00202		mg/Kg		10/11/24 09:34	10/11/24 16:26	1	
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/11/24 09:34	10/11/24 16:26	1	
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/11/24 09:34	10/11/24 16:26	1	
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/11/24 09:34	10/11/24 16:26	1	
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/11/24 09:34	10/11/24 16:26	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	106		70 - 130				10/11/24 09:34	10/11/24 16:26	1	
1,4-Difluorobenzene (Surr)	103		70 - 130				10/11/24 09:34	10/11/24 16:26	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			10/11/24 16:26	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			10/12/24 04:48	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/10/24 10:18	10/12/24 04:48	1	
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/10/24 10:18	10/12/24 04:48	1	

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Client Sample Results

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Client Sample ID: SW - 19 (8.5')
Date Collected: 10/10/24 00:00
Date Received: 10/10/24 15:54

Lab Sample ID: 890-7228-47
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)	<49.9	U	49.9		mg/Kg		10/10/24 10:18	10/12/24 04:48	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	126		70 - 130				10/10/24 10:18	10/12/24 04:48	1	
o-Terphenyl	118		70 - 130				10/10/24 10:18	10/12/24 04:48	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	157		10.1		mg/Kg			10/11/24 16:55	1	

Client Sample ID: SW - 20 (8.5')
Date Collected: 10/10/24 00:00
Date Received: 10/10/24 15:54

Lab Sample ID: 890-7228-48
Matrix: Solid

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		10/11/24 09:34	10/11/24 16:46	1	
Toluene	<0.00202	U	0.00202		mg/Kg		10/11/24 09:34	10/11/24 16:46	1	
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/11/24 09:34	10/11/24 16:46	1	
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/11/24 09:34	10/11/24 16:46	1	
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/11/24 09:34	10/11/24 16:46	1	
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/11/24 09:34	10/11/24 16:46	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	109		70 - 130				10/11/24 09:34	10/11/24 16:46	1	
1,4-Difluorobenzene (Surr)	99		70 - 130				10/11/24 09:34	10/11/24 16:46	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			10/11/24 16:46	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.9	U	49.9		mg/Kg			10/12/24 05:06	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		10/10/24 10:18	10/12/24 05:06	1	
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/10/24 10:18	10/12/24 05:06	1	
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/10/24 10:18	10/12/24 05:06	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	118		70 - 130				10/10/24 10:18	10/12/24 05:06	1	
o-Terphenyl	111		70 - 130				10/10/24 10:18	10/12/24 05:06	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	80.5		10.1		mg/Kg			10/11/24 17:01	1	

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Surrogate Summary

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
880-49696-A-41-B MS	Matrix Spike	104	103
880-49696-A-41-C MSD	Matrix Spike Duplicate	103	87
880-49711-A-1-C MS	Matrix Spike	105	102
880-49711-A-1-D MSD	Matrix Spike Duplicate	106	102
890-7228-1	CS - 1 (8.5')	117	101
890-7228-1 MS	CS - 1 (8.5')	101	99
890-7228-1 MSD	CS - 1 (8.5')	102	98
890-7228-2	CS - 2 (8.5')	108	100
890-7228-3	CS - 3 (8.5')	110	99
890-7228-4	CS - 4 (8.5')	111	101
890-7228-5	CS - 5 (8.5')	112	101
890-7228-6	CS - 6 (8.5')	113	100
890-7228-7	CS - 7 (8.5')	109	98
890-7228-8	CS - 8 (8.5')	110	99
890-7228-9	CS - 9 (8.5')	110	99
890-7228-10	CS - 10 (8.5')	111	98
890-7228-11	CS - 11 (8.5')	115	100
890-7228-12	CS - 12 (8.5')	122	90
890-7228-13	CS - 13 (8.5')	111	99
890-7228-14	CS - 14 (8.5')	111	99
890-7228-15	CS - 15 (8.5')	124	101
890-7228-16	CS - 16 (8.5')	112	98
890-7228-17	CS - 17 (8.5')	113	99
890-7228-18	CS - 18 (8.5')	119	94
890-7228-19	CS - 19 (8.5')	110	98
890-7228-20	CS - 20 (8.5')	119	98
890-7228-21	CS - 21 (8.5')	82	94
890-7228-21 MS	CS - 21 (8.5')	105	93
890-7228-21 MSD	CS - 21 (8.5')	105	99
890-7228-22	CS - 22 (8.5')	105	100
890-7228-23	CS - 23 (8.5')	117	105
890-7228-24	CS - 24 (8.5')	113	101
890-7228-25	CS - 25 (8.5')	115	106
890-7228-26	CS - 26 (8.5')	110	104
890-7228-27	CS - 27 (8.5')	111	106
890-7228-28	CS - 28 (8.5')	112	107
890-7228-29	SW - 1 (3.5'-8.5')	113	103
890-7228-30	SW - 2 (3.5'-8.5')	125	107
890-7228-31	SW - 3 (4.5'-8.5')	92	107
890-7228-32	SW - 4 (8.5')	96	101
890-7228-33	SW - 5 (4.5'-8.5')	103	108
890-7228-34	SW - 6 (8.5')	107	102
890-7228-35	SW - 7 (4.5'-8.5')	106	109
890-7228-36	SW - 8 (8.5')	114	105
890-7228-37	SW - 9 (4.5'-8.5')	129	128
890-7228-38	SW - 10 (4.5'-8.5')	183 S1+	130
890-7228-39	SW - 11 (8.5')	106	105
890-7228-40	SW - 12 (8.5')	116	111
890-7228-41	SW - 13 (8.5')	108	100

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Surrogate Summary

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-7228-41 MS	SW - 13 (8.5')	103	101
890-7228-41 MSD	SW - 13 (8.5')	102	101
890-7228-42	SW - 14 (8.5')	115	101
890-7228-43	SW - 15 (8.5')	106	101
890-7228-44	SW - 16 (8.5')	112	101
890-7228-45	SW - 17 (8.5')	104	104
890-7228-46	SW - 18 (8.5')	111	104
890-7228-47	SW - 19 (8.5')	106	103
890-7228-48	SW - 20 (8.5')	109	99
LCS 880-93035/1-A	Lab Control Sample	100	99
LCS 880-93036/1-A	Lab Control Sample	93	90
LCS 880-93038/1-A	Lab Control Sample	103	103
LCS 880-93140/1-A	Lab Control Sample	108	100
LCS 880-93185/1-A	Lab Control Sample	100	101
LCSD 880-93035/2-A	Lab Control Sample Dup	103	99
LCSD 880-93036/2-A	Lab Control Sample Dup	99	94
LCSD 880-93038/2-A	Lab Control Sample Dup	107	102
LCSD 880-93140/2-A	Lab Control Sample Dup	107	100
LCSD 880-93185/2-A	Lab Control Sample Dup	106	100
MB 880-93035/5-A	Method Blank	105	94
MB 880-93036/5-A	Method Blank	186 S1+	125
MB 880-93038/5-A	Method Blank	108	103
MB 880-93140/5-A	Method Blank	104	98
MB 880-93185/5-A	Method Blank	107	98

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-49600-A-25-D MS	Matrix Spike	118	120
880-49600-A-25-E MSD	Matrix Spike Duplicate	120	121
890-7228-1	CS - 1 (8.5')	118	96
890-7228-1 MS	CS - 1 (8.5')	110	98
890-7228-1 MSD	CS - 1 (8.5')	110	98
890-7228-2	CS - 2 (8.5')	111	91
890-7228-3	CS - 3 (8.5')	108	87
890-7228-4	CS - 4 (8.5')	108	88
890-7228-5	CS - 5 (8.5')	100	81
890-7228-6	CS - 6 (8.5')	102	83
890-7228-7	CS - 7 (8.5')	114	93
890-7228-8	CS - 8 (8.5')	102	81
890-7228-9	CS - 9 (8.5')	106	85
890-7228-10	CS - 10 (8.5')	104	86
890-7228-11	CS - 11 (8.5')	113	91
890-7228-12	CS - 12 (8.5')	113	91

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Surrogate Summary

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)				
890-7228-13	CS - 13 (8.5')	104	83				
890-7228-14	CS - 14 (8.5')	113	91				
890-7228-15	CS - 15 (8.5')	111	89				
890-7228-16	CS - 16 (8.5')	105	84				
890-7228-17	CS - 17 (8.5')	104	84				
890-7228-18	CS - 18 (8.5')	106	85				
890-7228-19	CS - 19 (8.5')	116	93				
890-7228-20	CS - 20 (8.5')	103	83				
890-7228-21	CS - 21 (8.5')	123	118				
890-7228-21 MS	CS - 21 (8.5')	124	129				
890-7228-21 MSD	CS - 21 (8.5')	124	128				
890-7228-22	CS - 22 (8.5')	124	118				
890-7228-23	CS - 23 (8.5')	139 S1+	133 S1+				
890-7228-24	CS - 24 (8.5')	135 S1+	128				
890-7228-25	CS - 25 (8.5')	132 S1+	124				
890-7228-26	CS - 26 (8.5')	133 S1+	125				
890-7228-27	CS - 27 (8.5')	132 S1+	124				
890-7228-28	CS - 28 (8.5')	127	119				
890-7228-29	SW - 1 (3.5'-8.5')	119	111				
890-7228-30	SW - 2 (3.5'-8.5')	131 S1+	123				
890-7228-31	SW - 3 (4.5'-8.5')	125	117				
890-7228-32	SW - 4 (8.5')	119	112				
890-7228-33	SW - 5 (4.5'-8.5')	128	121				
890-7228-34	SW - 6 (8.5')	125	117				
890-7228-35	SW - 7 (4.5'-8.5')	135 S1+	127				
890-7228-36	SW - 8 (8.5')	132 S1+	124				
890-7228-37	SW - 9 (4.5'-8.5')	130	121				
890-7228-38	SW - 10 (4.5'-8.5')	121	114				
890-7228-39	SW - 11 (8.5')	128	120				
890-7228-40	SW - 12 (8.5')	127	119				
890-7228-41	SW - 13 (8.5')	122	115				
890-7228-42	SW - 14 (8.5')	122	114				
890-7228-43	SW - 15 (8.5')	119	111				
890-7228-44	SW - 16 (8.5')	120	112				
890-7228-45	SW - 17 (8.5')	125	116				
890-7228-46	SW - 18 (8.5')	131 S1+	122				
890-7228-47	SW - 19 (8.5')	126	118				
890-7228-48	SW - 20 (8.5')	118	111				
LCS 880-92955/2-A	Lab Control Sample	131 S1+	135 S1+				
LCS 880-93023/2-A	Lab Control Sample	100	134 S1+				
LCS 880-93024/2-A	Lab Control Sample	115	175 S1+				
LCSD 880-92955/3-A	Lab Control Sample Dup	134 S1+	139 S1+				
LCSD 880-93023/3-A	Lab Control Sample Dup	102	137 S1+				
LCSD 880-93024/3-A	Lab Control Sample Dup	114	174 S1+				
MB 880-92955/1-A	Method Blank	131 S1+	125				
MB 880-93023/1-A	Method Blank	117	95				
MB 880-93024/1-A	Method Blank	134 S1+	126				

Surrogate Legend
1CO = 1-Chlorooctane

Surrogate Summary

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H
OTPH = o-Terphenyl

Job ID: 890-7228-1
SDG: 2059

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QC Sample Results

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-93035/5-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 93018							Prep Batch: 93035		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/11/24 09:31	10/11/24 11:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/24 09:31	10/11/24 11:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/24 09:31	10/11/24 11:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/11/24 09:31	10/11/24 11:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/24 09:31	10/11/24 11:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/11/24 09:31	10/11/24 11:15	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				10/11/24 09:31	10/11/24 11:15	1
1,4-Difluorobenzene (Surr)	94		70 - 130				10/11/24 09:31	10/11/24 11:15	1

Lab Sample ID: LCS 880-93035/1-A							Client Sample ID: Lab Control Sample		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 93018							Prep Batch: 93035		
Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Benzene		0.100	0.1108		mg/Kg		111	70 - 130	
Toluene		0.100	0.1035		mg/Kg		104	70 - 130	
Ethylbenzene		0.100	0.1046		mg/Kg		105	70 - 130	
m-Xylene & p-Xylene		0.200	0.2072		mg/Kg		104	70 - 130	
o-Xylene		0.100	0.1047		mg/Kg		105	70 - 130	
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	100		70 - 130						
1,4-Difluorobenzene (Surr)	99		70 - 130						

Lab Sample ID: LCSD 880-93035/2-A							Client Sample ID: Lab Control Sample Dup			
Matrix: Solid							Prep Type: Total/NA			
Analysis Batch: 93018							Prep Batch: 93035			
Analyte		Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene		0.100	0.1123		mg/Kg		112	70 - 130	1	35
Toluene		0.100	0.1056		mg/Kg		106	70 - 130	2	35
Ethylbenzene		0.100	0.1074		mg/Kg		107	70 - 130	3	35
m-Xylene & p-Xylene		0.200	0.2114		mg/Kg		106	70 - 130	2	35
o-Xylene		0.100	0.1077		mg/Kg		108	70 - 130	3	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits							
4-Bromofluorobenzene (Surr)	103		70 - 130							
1,4-Difluorobenzene (Surr)	99		70 - 130							

Lab Sample ID: 890-7228-1 MS							Client Sample ID: CS - 1 (8.5')		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 93018							Prep Batch: 93035		
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.09975		mg/Kg		100	70 - 130
Toluene	<0.00201	U	0.100	0.09361		mg/Kg		94	70 - 130

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QC Sample Results

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

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

Lab Sample ID: 890-7228-1 MS
Matrix: Solid
Analysis Batch: 93018

Client Sample ID: CS - 1 (8.5')
Prep Type: Total/NA
Prep Batch: 93035

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.100	0.09670		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1906		mg/Kg		95	70 - 130
o-Xylene	<0.00201	U	0.100	0.09784		mg/Kg		98	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	101		70 - 130						
1,4-Difluorobenzene (Surr)	99		70 - 130						

Lab Sample ID: 890-7228-1 MSD
Matrix: Solid
Analysis Batch: 93018

Client Sample ID: CS - 1 (8.5')
Prep Type: Total/NA
Prep Batch: 93035

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.1015		mg/Kg		102	70 - 130	2	35
Toluene	<0.00201	U	0.100	0.09561		mg/Kg		96	70 - 130	2	35
Ethylbenzene	<0.00201	U	0.100	0.09860		mg/Kg		99	70 - 130	2	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1941		mg/Kg		97	70 - 130	2	35
o-Xylene	<0.00201	U	0.100	0.09981		mg/Kg		100	70 - 130	2	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	102		70 - 130								
1,4-Difluorobenzene (Surr)	98		70 - 130								

Lab Sample ID: MB 880-93036/5-A
Matrix: Solid
Analysis Batch: 93021

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 93036

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/11/24 09:32	10/11/24 11:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/24 09:32	10/11/24 11:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/24 09:32	10/11/24 11:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/11/24 09:32	10/11/24 11:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/24 09:32	10/11/24 11:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/11/24 09:32	10/11/24 11:40	1
Surrogate	MB %Recovery	MB Qualifier	Limits						
4-Bromofluorobenzene (Surr)	186	S1+	70 - 130						
1,4-Difluorobenzene (Surr)	125		70 - 130						

Lab Sample ID: LCS 880-93036/1-A
Matrix: Solid
Analysis Batch: 93021

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 93036

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08877		mg/Kg		89	70 - 130
Toluene	0.100	0.08772		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.09974		mg/Kg		100	70 - 130
m-Xylene & p-Xylene	0.200	0.1547		mg/Kg		77	70 - 130

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QC Sample Results

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

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

Lab Sample ID: LCS 880-93036/1-A

Matrix: Solid

Analysis Batch: 93021

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 93036

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.07661		mg/Kg		77	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: LCSD 880-93036/2-A

Matrix: Solid

Analysis Batch: 93021

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 93036

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09495		mg/Kg		95	70 - 130	7	35
Toluene	0.100	0.09712		mg/Kg		97	70 - 130	10	35
Ethylbenzene	0.100	0.1078		mg/Kg		108	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.1857		mg/Kg		93	70 - 130	18	35
o-Xylene	0.100	0.09783		mg/Kg		98	70 - 130	24	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 890-7228-21 MS

Matrix: Solid

Analysis Batch: 93021

Client Sample ID: CS - 21 (8.5')

Prep Type: Total/NA

Prep Batch: 93036

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.07713		mg/Kg		77	70 - 130
Toluene	<0.00201	U	0.100	0.07911		mg/Kg		79	70 - 130
Ethylbenzene	<0.00201	U	0.100	0.09592		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1803		mg/Kg		90	70 - 130
o-Xylene	<0.00201	U	0.100	0.09487		mg/Kg		95	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: 890-7228-21 MSD

Matrix: Solid

Analysis Batch: 93021

Client Sample ID: CS - 21 (8.5')

Prep Type: Total/NA

Prep Batch: 93036

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.09091		mg/Kg		91	70 - 130	16	35
Toluene	<0.00201	U	0.100	0.08930		mg/Kg		89	70 - 130	12	35
Ethylbenzene	<0.00201	U	0.100	0.09266		mg/Kg		93	70 - 130	3	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1912		mg/Kg		96	70 - 130	6	35
o-Xylene	<0.00201	U	0.100	0.1067		mg/Kg		107	70 - 130	12	35

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QC Sample Results

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

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

Lab Sample ID: 890-7228-21 MSD

Matrix: Solid

Analysis Batch: 93021

Client Sample ID: CS - 21 (8.5')

Prep Type: Total/NA

Prep Batch: 93036

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: MB 880-93038/5-A

Matrix: Solid

Analysis Batch: 93017

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 93038

Analyte	MB	MB							
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/11/24 09:34	10/11/24 11:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/24 09:34	10/11/24 11:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/24 09:34	10/11/24 11:06	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/11/24 09:34	10/11/24 11:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/24 09:34	10/11/24 11:06	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/11/24 09:34	10/11/24 11:06	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				10/11/24 09:34	10/11/24 11:06	1
1,4-Difluorobenzene (Surr)	103		70 - 130				10/11/24 09:34	10/11/24 11:06	1

Lab Sample ID: LCS 880-93038/1-A

Matrix: Solid

Analysis Batch: 93017

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 93038

Analyte	Spike	LCS	LCS						
	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	0.100	0.09597		mg/Kg		96	70 - 130		
Toluene	0.100	0.09025		mg/Kg		90	70 - 130		
Ethylbenzene	0.100	0.09124		mg/Kg		91	70 - 130		
m-Xylene & p-Xylene	0.200	0.1965		mg/Kg		98	70 - 130		
o-Xylene	0.100	0.09870		mg/Kg		99	70 - 130		

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

Lab Sample ID: LCSD 880-93038/2-A

Matrix: Solid

Analysis Batch: 93017

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 93038

Analyte	Spike	LCSD	LCSD							
	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.09592		mg/Kg		96	70 - 130	0	35	
Toluene	0.100	0.09144		mg/Kg		91	70 - 130	1	35	
Ethylbenzene	0.100	0.09138		mg/Kg		91	70 - 130	0	35	
m-Xylene & p-Xylene	0.200	0.1962		mg/Kg		98	70 - 130	0	35	
o-Xylene	0.100	0.09791		mg/Kg		98	70 - 130	1	35	

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130

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QC Sample Results

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

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

Lab Sample ID: LCSD 880-93038/2-A

Matrix: Solid

Analysis Batch: 93017

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 93038

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

Lab Sample ID: 890-7228-41 MS

Matrix: Solid

Analysis Batch: 93017

Client Sample ID: SW - 13 (8.5')

Prep Type: Total/NA

Prep Batch: 93038

	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	<0.00201	U	0.100	0.09058		mg/Kg		91	70 - 130
Toluene	<0.00201	U	0.100	0.08585		mg/Kg		86	70 - 130
Ethylbenzene	<0.00201	U	0.100	0.08619		mg/Kg		86	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1858		mg/Kg		93	70 - 130
o-Xylene	<0.00201	U	0.100	0.09269		mg/Kg		93	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 890-7228-41 MSD

Matrix: Solid

Analysis Batch: 93017

Client Sample ID: SW - 13 (8.5')

Prep Type: Total/NA

Prep Batch: 93038

	Sample	Sample	Spike	MSD	MSD				%Rec	RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	Limit
Benzene	<0.00201	U	0.100	0.09348		mg/Kg		93	70 - 130	35
Toluene	<0.00201	U	0.100	0.08860		mg/Kg		89	70 - 130	35
Ethylbenzene	<0.00201	U	0.100	0.08904		mg/Kg		89	70 - 130	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1918		mg/Kg		96	70 - 130	35
o-Xylene	<0.00201	U	0.100	0.09640		mg/Kg		96	70 - 130	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: MB 880-93140/5-A

Matrix: Solid

Analysis Batch: 93171

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 93140

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/11/24 16:04	10/14/24 11:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/24 16:04	10/14/24 11:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/24 16:04	10/14/24 11:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/11/24 16:04	10/14/24 11:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/24 16:04	10/14/24 11:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/11/24 16:04	10/14/24 11:40	1

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	10/11/24 16:04	10/14/24 11:40	1
1,4-Difluorobenzene (Surr)	98		70 - 130	10/11/24 16:04	10/14/24 11:40	1

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QC Sample Results

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

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

Lab Sample ID: LCS 880-93140/1-A

Matrix: Solid

Analysis Batch: 93171

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 93140

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09611		mg/Kg		96	70 - 130
Toluene	0.100	0.09059		mg/Kg		91	70 - 130
Ethylbenzene	0.100	0.09166		mg/Kg		92	70 - 130
m-Xylene & p-Xylene	0.200	0.1969		mg/Kg		98	70 - 130
o-Xylene	0.100	0.09946		mg/Kg		99	70 - 130

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

Lab Sample ID: LCSD 880-93140/2-A

Matrix: Solid

Analysis Batch: 93171

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 93140

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09444		mg/Kg		94	70 - 130	2	35
Toluene	0.100	0.08975		mg/Kg		90	70 - 130	1	35
Ethylbenzene	0.100	0.08962		mg/Kg		90	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.1925		mg/Kg		96	70 - 130	2	35
o-Xylene	0.100	0.09627		mg/Kg		96	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 880-49696-A-41-B MS

Matrix: Solid

Analysis Batch: 93171

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 93140

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U F1	0.100	0.08688		mg/Kg		87	70 - 130
Toluene	<0.00201	U	0.100	0.08217		mg/Kg		82	70 - 130
Ethylbenzene	<0.00201	U	0.100	0.08358		mg/Kg		84	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1791		mg/Kg		90	70 - 130
o-Xylene	<0.00201	U	0.100	0.09136		mg/Kg		91	70 - 130

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

Lab Sample ID: 880-49696-A-41-C MSD

Matrix: Solid

Analysis Batch: 93171

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 93140

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U F1	0.100	0.06946	F1	mg/Kg		69	70 - 130	22	35
Toluene	<0.00201	U	0.100	0.07584		mg/Kg		76	70 - 130	8	35
Ethylbenzene	<0.00201	U	0.100	0.08420		mg/Kg		84	70 - 130	1	35

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QC Sample Results

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

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

Lab Sample ID: 880-49696-A-41-C MSD
Matrix: Solid
Analysis Batch: 93171

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 93140

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1778		mg/Kg		89	70 - 130	1	35
o-Xylene	<0.00201	U	0.100	0.08984		mg/Kg		90	70 - 130	2	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	103		70 - 130								
1,4-Difluorobenzene (Surr)	87		70 - 130								

Lab Sample ID: MB 880-93185/5-A
Matrix: Solid
Analysis Batch: 93303

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 93185

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/14/24 09:57	10/15/24 11:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/14/24 09:57	10/15/24 11:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/24 09:57	10/15/24 11:14	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/14/24 09:57	10/15/24 11:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/14/24 09:57	10/15/24 11:14	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/14/24 09:57	10/15/24 11:14	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				10/14/24 09:57	10/15/24 11:14	1
1,4-Difluorobenzene (Surr)	98		70 - 130				10/14/24 09:57	10/15/24 11:14	1

Lab Sample ID: LCS 880-93185/1-A
Matrix: Solid
Analysis Batch: 93303

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 93185

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09282		mg/Kg		93	70 - 130
Toluene	0.100	0.08835		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.08832		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	0.200	0.1909		mg/Kg		95	70 - 130
o-Xylene	0.100	0.09601		mg/Kg		96	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	100		70 - 130				
1,4-Difluorobenzene (Surr)	101		70 - 130				

Lab Sample ID: LCSD 880-93185/2-A
Matrix: Solid
Analysis Batch: 93303

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 93185

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09309		mg/Kg		93	70 - 130	0	35
Toluene	0.100	0.08903		mg/Kg		89	70 - 130	1	35
Ethylbenzene	0.100	0.08949		mg/Kg		89	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1926		mg/Kg		96	70 - 130	1	35
o-Xylene	0.100	0.09666		mg/Kg		97	70 - 130	1	35

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QC Sample Results

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

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

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 880-49711-A-1-C MS

Matrix: Solid

Analysis Batch: 93303

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 93185

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.08766		mg/Kg		88	70 - 130
Toluene	<0.00200	U	0.100	0.08217		mg/Kg		82	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.07860		mg/Kg		79	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1675		mg/Kg		84	70 - 130
o-Xylene	<0.00200	U	0.100	0.08432		mg/Kg		84	70 - 130

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

Lab Sample ID: 880-49711-A-1-D MSD

Matrix: Solid

Analysis Batch: 93303

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 93185

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	0.09108		mg/Kg		91	70 - 130	4	35
Toluene	<0.00200	U	0.100	0.08496		mg/Kg		85	70 - 130	3	35
Ethylbenzene	<0.00200	U	0.100	0.08225		mg/Kg		82	70 - 130	5	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1756		mg/Kg		88	70 - 130	5	35
o-Xylene	<0.00200	U	0.100	0.08838		mg/Kg		88	70 - 130	5	35

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

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

Lab Sample ID: MB 880-92955/1-A

Matrix: Solid

Analysis Batch: 93132

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92955

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		10/10/24 10:18	10/11/24 23:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/10/24 10:18	10/11/24 23:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/10/24 10:18	10/11/24 23:17	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	131	S1+	70 - 130	10/10/24 10:18	10/11/24 23:17	1			
o-Terphenyl	125		70 - 130	10/10/24 10:18	10/11/24 23:17	1			

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QC Sample Results

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

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

Lab Sample ID: LCS 880-92955/2-A

Matrix: Solid

Analysis Batch: 93132

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 92955

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1213		mg/Kg		121	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1154		mg/Kg		115	70 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
1-Chlorooctane	131	S1+	70 - 130				
o-Terphenyl	135	S1+	70 - 130				

Lab Sample ID: LCSD 880-92955/3-A

Matrix: Solid

Analysis Batch: 93132

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 92955

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1216		mg/Kg		122	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	1192		mg/Kg		119	70 - 130	3	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	134	S1+	70 - 130						
o-Terphenyl	139	S1+	70 - 130						

Lab Sample ID: 880-49600-A-25-D MS

Matrix: Solid

Analysis Batch: 93132

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 92955

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	975.7		mg/Kg		98	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	997	943.1		mg/Kg		95	70 - 130
Surrogate	%Recovery	MS Qualifier	Limits						
1-Chlorooctane	118		70 - 130						
o-Terphenyl	120		70 - 130						

Lab Sample ID: 880-49600-A-25-E MSD

Matrix: Solid

Analysis Batch: 93132

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 92955

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	998.4		mg/Kg		100	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	976.4		mg/Kg		98	70 - 130	3	20
Surrogate	%Recovery	MSD Qualifier	Limits								
1-Chlorooctane	120		70 - 130								

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QC Sample Results

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

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

Lab Sample ID: 880-49600-A-25-E MSD
Matrix: Solid
Analysis Batch: 93132

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 92955

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	121		70 - 130

Lab Sample ID: MB 880-93023/1-A
Matrix: Solid
Analysis Batch: 93130

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 93023

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		10/11/24 08:40	10/11/24 10:16	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/11/24 08:40	10/11/24 10:16	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/11/24 08:40	10/11/24 10:16	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
1-Chlorooctane	117		70 - 130				10/11/24 08:40	10/11/24 10:16	1	
<i>o</i> -Terphenyl	95		70 - 130				10/11/24 08:40	10/11/24 10:16	1	

Lab Sample ID: LCS 880-93023/2-A
Matrix: Solid
Analysis Batch: 93130

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 93023

Analyte	Spike	LCS	LCS					%Rec		
	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Gasoline Range Organics (GRO)-C6-C10	1000	1039		mg/Kg		104	70 - 130			
Diesel Range Organics (Over C10-C28)	1000	1060		mg/Kg		106	70 - 130			
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	100		70 - 130							
<i>o</i> -Terphenyl	134	S1+	70 - 130							

Lab Sample ID: LCSD 880-93023/3-A
Matrix: Solid
Analysis Batch: 93130

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 93023

Analyte				Spike	LCSD	LCSD				%Rec	RPD	
				Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10				1000	1046		mg/Kg		105	70 - 130	1	20
Diesel Range Organics (Over C10-C28)				1000	1113		mg/Kg		111	70 - 130	5	20
				</								

QC Sample Results

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

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

Lab Sample ID: 890-7228-1 MS

Matrix: Solid

Analysis Batch: 93130

Client Sample ID: CS - 1 (8.5')

Prep Type: Total/NA

Prep Batch: 93023

	Sample	Sample	Spike	MS	MS			%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	1036		mg/Kg		104	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	834.5		mg/Kg		80	70 - 130	
Surrogate	MS %Recovery	MS Qualifier	Limits							
1-Chlorooctane	110		70 - 130							
o-Terphenyl	98		70 - 130							

Lab Sample ID: 890-7228-1 MSD

Matrix: Solid

Analysis Batch: 93130

Client Sample ID: CS - 1 (8.5')

Prep Type: Total/NA

Prep Batch: 93023

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	1041		mg/Kg		104	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	843.5		mg/Kg		81	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	110		70 - 130								
o-Terphenyl	98		70 - 130								

Lab Sample ID: MB 880-93024/1-A

Matrix: Solid

Analysis Batch: 93132

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 93024

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/11/24 08:43	10/11/24 10:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/11/24 08:43	10/11/24 10:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/11/24 08:43	10/11/24 10:16	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
1-Chlorooctane	134	S1+	70 - 130				10/11/24 08:43	10/11/24 10:16	1
o-Terphenyl	126		70 - 130				10/11/24 08:43	10/11/24 10:16	1

Lab Sample ID: LCS 880-93024/2-A

Matrix: Solid

Analysis Batch: 93132

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 93024

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
	Added	Result	Qualifier				Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1130		mg/Kg		113	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1331	*+	mg/Kg		133	70 - 130

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QC Sample Results

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

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

Lab Sample ID: LCS 880-93024/2-A

Matrix: Solid

Analysis Batch: 93132

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 93024

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	115		70 - 130
o-Terphenyl	175	S1+	70 - 130

Lab Sample ID: LCSD 880-93024/3-A

Matrix: Solid

Analysis Batch: 93132

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 93024

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1088		mg/Kg		109	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	1331	*+	mg/Kg		133	70 - 130	0	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	114		70 - 130
o-Terphenyl	174	S1+	70 - 130

Lab Sample ID: 890-7228-21 MS

Matrix: Solid

Analysis Batch: 93132

Client Sample ID: CS - 21 (8.5')

Prep Type: Total/NA

Prep Batch: 93024

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1068		mg/Kg		107	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U *+	999	994.5		mg/Kg		97	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	124		70 - 130
o-Terphenyl	129		70 - 130

Lab Sample ID: 890-7228-21 MSD

Matrix: Solid

Analysis Batch: 93132

Client Sample ID: CS - 21 (8.5')

Prep Type: Total/NA

Prep Batch: 93024

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1040		mg/Kg		104	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U *+	999	1003		mg/Kg		98	70 - 130	1	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	124		70 - 130
o-Terphenyl	128		70 - 130

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QC Sample Results

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-93025/1-A

Matrix: Solid

Analysis Batch: 93037

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			10/11/24 10:36	1

Lab Sample ID: LCS 880-93025/2-A

Matrix: Solid

Analysis Batch: 93037

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	243.5		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-93025/3-A

Matrix: Solid

Analysis Batch: 93037

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	243.9		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 890-7228-1 MS

Matrix: Solid

Analysis Batch: 93037

Client Sample ID: CS - 1 (8.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	28.2		248	273.7		mg/Kg		99	90 - 110

Lab Sample ID: 890-7228-1 MSD

Matrix: Solid

Analysis Batch: 93037

Client Sample ID: CS - 1 (8.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	28.2		248	274.0		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 890-7228-11 MS

Matrix: Solid

Analysis Batch: 93037

Client Sample ID: CS - 11 (8.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	13.0		252	269.7		mg/Kg		102	90 - 110

Lab Sample ID: 890-7228-11 MSD

Matrix: Solid

Analysis Batch: 93037

Client Sample ID: CS - 11 (8.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	13.0		252	269.6		mg/Kg		102	90 - 110	0	20

Lab Sample ID: MB 880-93026/1-A

Matrix: Solid

Analysis Batch: 93059

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			10/11/24 17:04	1

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QC Sample Results

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-93026/2-A

Matrix: Solid

Analysis Batch: 93059

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	247.3		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-93026/3-A

Matrix: Solid

Analysis Batch: 93059

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	247.5		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 890-7228-21 MS

Matrix: Solid

Analysis Batch: 93059

Client Sample ID: CS - 21 (8.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	43.2		248	294.7		mg/Kg		101	90 - 110

Lab Sample ID: 890-7228-21 MSD

Matrix: Solid

Analysis Batch: 93059

Client Sample ID: CS - 21 (8.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	43.2		248	295.0		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 890-7228-31 MS

Matrix: Solid

Analysis Batch: 93059

Client Sample ID: SW - 3 (4.5'-8.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	163		249	407.0		mg/Kg		98	90 - 110

Lab Sample ID: 890-7228-31 MSD

Matrix: Solid

Analysis Batch: 93059

Client Sample ID: SW - 3 (4.5'-8.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	163		249	407.9		mg/Kg		98	90 - 110	0	20

Lab Sample ID: MB 880-93027/1-A

Matrix: Solid

Analysis Batch: 93062

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			10/11/24 13:45	1

Lab Sample ID: LCS 880-93027/2-A

Matrix: Solid

Analysis Batch: 93062

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	245.7		mg/Kg		98	90 - 110

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QC Sample Results

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-93027/3-A				Client Sample ID: Lab Control Sample Dup							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 93062											
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	246.0		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 890-7222-A-1-B MS				Client Sample ID: Matrix Spike							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 93062											
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	7440	F1	5050	13870	F1	mg/Kg		127	90 - 110		

Lab Sample ID: 890-7222-A-1-C MSD				Client Sample ID: Matrix Spike Duplicate							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 93062											
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	7440	F1	5050	13900	F1	mg/Kg		128	90 - 110	0	20

QC Association Summary

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

GC VOA

Analysis Batch: 93017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7228-41	SW - 13 (8.5')	Total/NA	Solid	8021B	93038
890-7228-42	SW - 14 (8.5')	Total/NA	Solid	8021B	93038
890-7228-43	SW - 15 (8.5')	Total/NA	Solid	8021B	93038
890-7228-44	SW - 16 (8.5')	Total/NA	Solid	8021B	93038
890-7228-45	SW - 17 (8.5')	Total/NA	Solid	8021B	93038
890-7228-46	SW - 18 (8.5')	Total/NA	Solid	8021B	93038
890-7228-47	SW - 19 (8.5')	Total/NA	Solid	8021B	93038
890-7228-48	SW - 20 (8.5')	Total/NA	Solid	8021B	93038
MB 880-93038/5-A	Method Blank	Total/NA	Solid	8021B	93038
LCS 880-93038/1-A	Lab Control Sample	Total/NA	Solid	8021B	93038
LCSD 880-93038/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	93038
890-7228-41 MS	SW - 13 (8.5')	Total/NA	Solid	8021B	93038
890-7228-41 MSD	SW - 13 (8.5')	Total/NA	Solid	8021B	93038

Analysis Batch: 93018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7228-1	CS - 1 (8.5')	Total/NA	Solid	8021B	93035
890-7228-2	CS - 2 (8.5')	Total/NA	Solid	8021B	93035
890-7228-3	CS - 3 (8.5')	Total/NA	Solid	8021B	93035
890-7228-4	CS - 4 (8.5')	Total/NA	Solid	8021B	93035
890-7228-5	CS - 5 (8.5')	Total/NA	Solid	8021B	93035
890-7228-6	CS - 6 (8.5')	Total/NA	Solid	8021B	93035
890-7228-7	CS - 7 (8.5')	Total/NA	Solid	8021B	93035
890-7228-8	CS - 8 (8.5')	Total/NA	Solid	8021B	93035
890-7228-9	CS - 9 (8.5')	Total/NA	Solid	8021B	93035
890-7228-10	CS - 10 (8.5')	Total/NA	Solid	8021B	93035
890-7228-11	CS - 11 (8.5')	Total/NA	Solid	8021B	93035
890-7228-12	CS - 12 (8.5')	Total/NA	Solid	8021B	93035
890-7228-13	CS - 13 (8.5')	Total/NA	Solid	8021B	93035
890-7228-14	CS - 14 (8.5')	Total/NA	Solid	8021B	93035
890-7228-15	CS - 15 (8.5')	Total/NA	Solid	8021B	93035
890-7228-16	CS - 16 (8.5')	Total/NA	Solid	8021B	93035
890-7228-17	CS - 17 (8.5')	Total/NA	Solid	8021B	93035
890-7228-18	CS - 18 (8.5')	Total/NA	Solid	8021B	93035
890-7228-19	CS - 19 (8.5')	Total/NA	Solid	8021B	93035
890-7228-20	CS - 20 (8.5')	Total/NA	Solid	8021B	93035
MB 880-93035/5-A	Method Blank	Total/NA	Solid	8021B	93035
LCS 880-93035/1-A	Lab Control Sample	Total/NA	Solid	8021B	93035
LCSD 880-93035/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	93035
890-7228-1 MS	CS - 1 (8.5')	Total/NA	Solid	8021B	93035
890-7228-1 MSD	CS - 1 (8.5')	Total/NA	Solid	8021B	93035

Analysis Batch: 93021

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7228-21	CS - 21 (8.5')	Total/NA	Solid	8021B	93036
890-7228-23	CS - 23 (8.5')	Total/NA	Solid	8021B	93036
890-7228-24	CS - 24 (8.5')	Total/NA	Solid	8021B	93036
890-7228-25	CS - 25 (8.5')	Total/NA	Solid	8021B	93036
890-7228-26	CS - 26 (8.5')	Total/NA	Solid	8021B	93036
890-7228-27	CS - 27 (8.5')	Total/NA	Solid	8021B	93036
890-7228-28	CS - 28 (8.5')	Total/NA	Solid	8021B	93036

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QC Association Summary

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

GC VOA (Continued)

Analysis Batch: 93021 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7228-29	SW - 1 (3.5'-8.5')	Total/NA	Solid	8021B	93036
890-7228-30	SW - 2 (3.5'-8.5')	Total/NA	Solid	8021B	93036
890-7228-31	SW - 3 (4.5'-8.5')	Total/NA	Solid	8021B	93036
890-7228-32	SW - 4 (8.5')	Total/NA	Solid	8021B	93036
890-7228-33	SW - 5 (4.5'-8.5')	Total/NA	Solid	8021B	93036
890-7228-34	SW - 6 (8.5')	Total/NA	Solid	8021B	93036
890-7228-35	SW - 7 (4.5'-8.5')	Total/NA	Solid	8021B	93036
890-7228-36	SW - 8 (8.5')	Total/NA	Solid	8021B	93036
890-7228-37	SW - 9 (4.5'-8.5')	Total/NA	Solid	8021B	93036
890-7228-38	SW - 10 (4.5'-8.5')	Total/NA	Solid	8021B	93036
890-7228-39	SW - 11 (8.5')	Total/NA	Solid	8021B	93036
890-7228-40	SW - 12 (8.5')	Total/NA	Solid	8021B	93036
MB 880-93036/5-A	Method Blank	Total/NA	Solid	8021B	93036
LCS 880-93036/1-A	Lab Control Sample	Total/NA	Solid	8021B	93036
LCSD 880-93036/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	93036
890-7228-21 MS	CS - 21 (8.5')	Total/NA	Solid	8021B	93036
890-7228-21 MSD	CS - 21 (8.5')	Total/NA	Solid	8021B	93036

Prep Batch: 93035

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7228-1	CS - 1 (8.5')	Total/NA	Solid	5035	
890-7228-2	CS - 2 (8.5')	Total/NA	Solid	5035	
890-7228-3	CS - 3 (8.5')	Total/NA	Solid	5035	
890-7228-4	CS - 4 (8.5')	Total/NA	Solid	5035	
890-7228-5	CS - 5 (8.5')	Total/NA	Solid	5035	
890-7228-6	CS - 6 (8.5')	Total/NA	Solid	5035	
890-7228-7	CS - 7 (8.5')	Total/NA	Solid	5035	
890-7228-8	CS - 8 (8.5')	Total/NA	Solid	5035	
890-7228-9	CS - 9 (8.5')	Total/NA	Solid	5035	
890-7228-10	CS - 10 (8.5')	Total/NA	Solid	5035	
890-7228-11	CS - 11 (8.5')	Total/NA	Solid	5035	
890-7228-12	CS - 12 (8.5')	Total/NA	Solid	5035	
890-7228-13	CS - 13 (8.5')	Total/NA	Solid	5035	
890-7228-14	CS - 14 (8.5')	Total/NA	Solid	5035	
890-7228-15	CS - 15 (8.5')	Total/NA	Solid	5035	
890-7228-16	CS - 16 (8.5')	Total/NA	Solid	5035	
890-7228-17	CS - 17 (8.5')	Total/NA	Solid	5035	
890-7228-18	CS - 18 (8.5')	Total/NA	Solid	5035	
890-7228-19	CS - 19 (8.5')	Total/NA	Solid	5035	
890-7228-20	CS - 20 (8.5')	Total/NA	Solid	5035	
MB 880-93035/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-93035/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-93035/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7228-1 MS	CS - 1 (8.5')	Total/NA	Solid	5035	
890-7228-1 MSD	CS - 1 (8.5')	Total/NA	Solid	5035	

Prep Batch: 93036

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7228-21	CS - 21 (8.5')	Total/NA	Solid	5035	
890-7228-23	CS - 23 (8.5')	Total/NA	Solid	5035	
890-7228-24	CS - 24 (8.5')	Total/NA	Solid	5035	

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QC Association Summary

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

GC VOA (Continued)

Prep Batch: 93036 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7228-25	CS - 25 (8.5')	Total/NA	Solid	5035	
890-7228-26	CS - 26 (8.5')	Total/NA	Solid	5035	
890-7228-27	CS - 27 (8.5')	Total/NA	Solid	5035	
890-7228-28	CS - 28 (8.5')	Total/NA	Solid	5035	
890-7228-29	SW - 1 (3.5'-8.5')	Total/NA	Solid	5035	
890-7228-30	SW - 2 (3.5'-8.5')	Total/NA	Solid	5035	
890-7228-31	SW - 3 (4.5'-8.5')	Total/NA	Solid	5035	
890-7228-32	SW - 4 (8.5')	Total/NA	Solid	5035	
890-7228-33	SW - 5 (4.5'-8.5')	Total/NA	Solid	5035	
890-7228-34	SW - 6 (8.5')	Total/NA	Solid	5035	
890-7228-35	SW - 7 (4.5'-8.5')	Total/NA	Solid	5035	
890-7228-36	SW - 8 (8.5')	Total/NA	Solid	5035	
890-7228-37	SW - 9 (4.5'-8.5')	Total/NA	Solid	5035	
890-7228-38	SW - 10 (4.5'-8.5')	Total/NA	Solid	5035	
890-7228-39	SW - 11 (8.5')	Total/NA	Solid	5035	
890-7228-40	SW - 12 (8.5')	Total/NA	Solid	5035	
MB 880-93036/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-93036/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-93036/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7228-21 MS	CS - 21 (8.5')	Total/NA	Solid	5035	
890-7228-21 MSD	CS - 21 (8.5')	Total/NA	Solid	5035	

Prep Batch: 93038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7228-41	SW - 13 (8.5')	Total/NA	Solid	5035	
890-7228-42	SW - 14 (8.5')	Total/NA	Solid	5035	
890-7228-43	SW - 15 (8.5')	Total/NA	Solid	5035	
890-7228-44	SW - 16 (8.5')	Total/NA	Solid	5035	
890-7228-45	SW - 17 (8.5')	Total/NA	Solid	5035	
890-7228-46	SW - 18 (8.5')	Total/NA	Solid	5035	
890-7228-47	SW - 19 (8.5')	Total/NA	Solid	5035	
890-7228-48	SW - 20 (8.5')	Total/NA	Solid	5035	
MB 880-93038/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-93038/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-93038/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7228-41 MS	SW - 13 (8.5')	Total/NA	Solid	5035	
890-7228-41 MSD	SW - 13 (8.5')	Total/NA	Solid	5035	

Prep Batch: 93140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-93140/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-93140/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-93140/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-49696-A-41-B MS	Matrix Spike	Total/NA	Solid	5035	
880-49696-A-41-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 93150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7228-1	CS - 1 (8.5')	Total/NA	Solid	Total BTEX	
890-7228-2	CS - 2 (8.5')	Total/NA	Solid	Total BTEX	
890-7228-3	CS - 3 (8.5')	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

GC VOA (Continued)

Analysis Batch: 93150 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7228-4	CS - 4 (8.5')	Total/NA	Solid	Total BTEX	
890-7228-5	CS - 5 (8.5')	Total/NA	Solid	Total BTEX	
890-7228-6	CS - 6 (8.5')	Total/NA	Solid	Total BTEX	
890-7228-7	CS - 7 (8.5')	Total/NA	Solid	Total BTEX	
890-7228-8	CS - 8 (8.5')	Total/NA	Solid	Total BTEX	
890-7228-9	CS - 9 (8.5')	Total/NA	Solid	Total BTEX	
890-7228-10	CS - 10 (8.5')	Total/NA	Solid	Total BTEX	
890-7228-11	CS - 11 (8.5')	Total/NA	Solid	Total BTEX	
890-7228-12	CS - 12 (8.5')	Total/NA	Solid	Total BTEX	
890-7228-13	CS - 13 (8.5')	Total/NA	Solid	Total BTEX	
890-7228-14	CS - 14 (8.5')	Total/NA	Solid	Total BTEX	
890-7228-15	CS - 15 (8.5')	Total/NA	Solid	Total BTEX	
890-7228-16	CS - 16 (8.5')	Total/NA	Solid	Total BTEX	
890-7228-17	CS - 17 (8.5')	Total/NA	Solid	Total BTEX	
890-7228-18	CS - 18 (8.5')	Total/NA	Solid	Total BTEX	
890-7228-19	CS - 19 (8.5')	Total/NA	Solid	Total BTEX	
890-7228-20	CS - 20 (8.5')	Total/NA	Solid	Total BTEX	
890-7228-21	CS - 21 (8.5')	Total/NA	Solid	Total BTEX	
890-7228-22	CS - 22 (8.5')	Total/NA	Solid	Total BTEX	
890-7228-23	CS - 23 (8.5')	Total/NA	Solid	Total BTEX	
890-7228-24	CS - 24 (8.5')	Total/NA	Solid	Total BTEX	
890-7228-25	CS - 25 (8.5')	Total/NA	Solid	Total BTEX	
890-7228-26	CS - 26 (8.5')	Total/NA	Solid	Total BTEX	
890-7228-27	CS - 27 (8.5')	Total/NA	Solid	Total BTEX	
890-7228-28	CS - 28 (8.5')	Total/NA	Solid	Total BTEX	
890-7228-29	SW - 1 (3.5'-8.5')	Total/NA	Solid	Total BTEX	
890-7228-30	SW - 2 (3.5'-8.5')	Total/NA	Solid	Total BTEX	
890-7228-31	SW - 3 (4.5'-8.5')	Total/NA	Solid	Total BTEX	
890-7228-32	SW - 4 (8.5')	Total/NA	Solid	Total BTEX	
890-7228-33	SW - 5 (4.5'-8.5')	Total/NA	Solid	Total BTEX	
890-7228-34	SW - 6 (8.5')	Total/NA	Solid	Total BTEX	
890-7228-35	SW - 7 (4.5'-8.5')	Total/NA	Solid	Total BTEX	
890-7228-36	SW - 8 (8.5')	Total/NA	Solid	Total BTEX	
890-7228-37	SW - 9 (4.5'-8.5')	Total/NA	Solid	Total BTEX	
890-7228-38	SW - 10 (4.5'-8.5')	Total/NA	Solid	Total BTEX	
890-7228-39	SW - 11 (8.5')	Total/NA	Solid	Total BTEX	
890-7228-40	SW - 12 (8.5')	Total/NA	Solid	Total BTEX	
890-7228-41	SW - 13 (8.5')	Total/NA	Solid	Total BTEX	
890-7228-42	SW - 14 (8.5')	Total/NA	Solid	Total BTEX	
890-7228-43	SW - 15 (8.5')	Total/NA	Solid	Total BTEX	
890-7228-44	SW - 16 (8.5')	Total/NA	Solid	Total BTEX	
890-7228-45	SW - 17 (8.5')	Total/NA	Solid	Total BTEX	
890-7228-46	SW - 18 (8.5')	Total/NA	Solid	Total BTEX	
890-7228-47	SW - 19 (8.5')	Total/NA	Solid	Total BTEX	
890-7228-48	SW - 20 (8.5')	Total/NA	Solid	Total BTEX	

Analysis Batch: 93171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-93140/5-A	Method Blank	Total/NA	Solid	8021B	93140
LCS 880-93140/1-A	Lab Control Sample	Total/NA	Solid	8021B	93140
LCSD 880-93140/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	93140

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QC Association Summary

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

GC VOA (Continued)

Analysis Batch: 93171 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49696-A-41-B MS	Matrix Spike	Total/NA	Solid	8021B	93140
880-49696-A-41-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	93140

Prep Batch: 93185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7228-22	CS - 22 (8.5')	Total/NA	Solid	5035	
MB 880-93185/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-93185/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-93185/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-49711-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-49711-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 93303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7228-22	CS - 22 (8.5')	Total/NA	Solid	8021B	93185
MB 880-93185/5-A	Method Blank	Total/NA	Solid	8021B	93185
LCS 880-93185/1-A	Lab Control Sample	Total/NA	Solid	8021B	93185
LCSD 880-93185/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	93185
880-49711-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	93185
880-49711-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	93185

GC Semi VOA

Prep Batch: 92955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7228-41	SW - 13 (8.5')	Total/NA	Solid	8015NM Prep	
890-7228-42	SW - 14 (8.5')	Total/NA	Solid	8015NM Prep	
890-7228-43	SW - 15 (8.5')	Total/NA	Solid	8015NM Prep	
890-7228-44	SW - 16 (8.5')	Total/NA	Solid	8015NM Prep	
890-7228-45	SW - 17 (8.5')	Total/NA	Solid	8015NM Prep	
890-7228-46	SW - 18 (8.5')	Total/NA	Solid	8015NM Prep	
890-7228-47	SW - 19 (8.5')	Total/NA	Solid	8015NM Prep	
890-7228-48	SW - 20 (8.5')	Total/NA	Solid	8015NM Prep	
MB 880-92955/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-92955/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-92955/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-49600-A-25-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-49600-A-25-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 93023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7228-1	CS - 1 (8.5')	Total/NA	Solid	8015NM Prep	
890-7228-2	CS - 2 (8.5')	Total/NA	Solid	8015NM Prep	
890-7228-3	CS - 3 (8.5')	Total/NA	Solid	8015NM Prep	
890-7228-4	CS - 4 (8.5')	Total/NA	Solid	8015NM Prep	
890-7228-5	CS - 5 (8.5')	Total/NA	Solid	8015NM Prep	
890-7228-6	CS - 6 (8.5')	Total/NA	Solid	8015NM Prep	
890-7228-7	CS - 7 (8.5')	Total/NA	Solid	8015NM Prep	
890-7228-8	CS - 8 (8.5')	Total/NA	Solid	8015NM Prep	
890-7228-9	CS - 9 (8.5')	Total/NA	Solid	8015NM Prep	
890-7228-10	CS - 10 (8.5')	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

GC Semi VOA (Continued)

Prep Batch: 93023 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7228-11	CS - 11 (8.5')	Total/NA	Solid	8015NM Prep	
890-7228-12	CS - 12 (8.5')	Total/NA	Solid	8015NM Prep	
890-7228-13	CS - 13 (8.5')	Total/NA	Solid	8015NM Prep	
890-7228-14	CS - 14 (8.5')	Total/NA	Solid	8015NM Prep	
890-7228-15	CS - 15 (8.5')	Total/NA	Solid	8015NM Prep	
890-7228-16	CS - 16 (8.5')	Total/NA	Solid	8015NM Prep	
890-7228-17	CS - 17 (8.5')	Total/NA	Solid	8015NM Prep	
890-7228-18	CS - 18 (8.5')	Total/NA	Solid	8015NM Prep	
890-7228-19	CS - 19 (8.5')	Total/NA	Solid	8015NM Prep	
890-7228-20	CS - 20 (8.5')	Total/NA	Solid	8015NM Prep	
MB 880-93023/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-93023/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-93023/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7228-1 MS	CS - 1 (8.5')	Total/NA	Solid	8015NM Prep	
890-7228-1 MSD	CS - 1 (8.5')	Total/NA	Solid	8015NM Prep	

Prep Batch: 93024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7228-21	CS - 21 (8.5')	Total/NA	Solid	8015NM Prep	
890-7228-22	CS - 22 (8.5')	Total/NA	Solid	8015NM Prep	
890-7228-23	CS - 23 (8.5')	Total/NA	Solid	8015NM Prep	
890-7228-24	CS - 24 (8.5')	Total/NA	Solid	8015NM Prep	
890-7228-25	CS - 25 (8.5')	Total/NA	Solid	8015NM Prep	
890-7228-26	CS - 26 (8.5')	Total/NA	Solid	8015NM Prep	
890-7228-27	CS - 27 (8.5')	Total/NA	Solid	8015NM Prep	
890-7228-28	CS - 28 (8.5')	Total/NA	Solid	8015NM Prep	
890-7228-29	SW - 1 (3.5'-8.5')	Total/NA	Solid	8015NM Prep	
890-7228-30	SW - 2 (3.5'-8.5')	Total/NA	Solid	8015NM Prep	
890-7228-31	SW - 3 (4.5'-8.5')	Total/NA	Solid	8015NM Prep	
890-7228-32	SW - 4 (8.5')	Total/NA	Solid	8015NM Prep	
890-7228-33	SW - 5 (4.5'-8.5')	Total/NA	Solid	8015NM Prep	
890-7228-34	SW - 6 (8.5')	Total/NA	Solid	8015NM Prep	
890-7228-35	SW - 7 (4.5'-8.5')	Total/NA	Solid	8015NM Prep	
890-7228-36	SW - 8 (8.5')	Total/NA	Solid	8015NM Prep	
890-7228-37	SW - 9 (4.5'-8.5')	Total/NA	Solid	8015NM Prep	
890-7228-38	SW - 10 (4.5'-8.5')	Total/NA	Solid	8015NM Prep	
890-7228-39	SW - 11 (8.5')	Total/NA	Solid	8015NM Prep	
890-7228-40	SW - 12 (8.5')	Total/NA	Solid	8015NM Prep	
MB 880-93024/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-93024/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-93024/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7228-21 MS	CS - 21 (8.5')	Total/NA	Solid	8015NM Prep	
890-7228-21 MSD	CS - 21 (8.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 93130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7228-1	CS - 1 (8.5')	Total/NA	Solid	8015B NM	93023
890-7228-2	CS - 2 (8.5')	Total/NA	Solid	8015B NM	93023
890-7228-3	CS - 3 (8.5')	Total/NA	Solid	8015B NM	93023
890-7228-4	CS - 4 (8.5')	Total/NA	Solid	8015B NM	93023
890-7228-5	CS - 5 (8.5')	Total/NA	Solid	8015B NM	93023

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QC Association Summary

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

GC Semi VOA (Continued)

Analysis Batch: 93130 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7228-6	CS - 6 (8.5')	Total/NA	Solid	8015B NM	93023
890-7228-7	CS - 7 (8.5')	Total/NA	Solid	8015B NM	93023
890-7228-8	CS - 8 (8.5')	Total/NA	Solid	8015B NM	93023
890-7228-9	CS - 9 (8.5')	Total/NA	Solid	8015B NM	93023
890-7228-10	CS - 10 (8.5')	Total/NA	Solid	8015B NM	93023
890-7228-11	CS - 11 (8.5')	Total/NA	Solid	8015B NM	93023
890-7228-12	CS - 12 (8.5')	Total/NA	Solid	8015B NM	93023
890-7228-13	CS - 13 (8.5')	Total/NA	Solid	8015B NM	93023
890-7228-14	CS - 14 (8.5')	Total/NA	Solid	8015B NM	93023
890-7228-15	CS - 15 (8.5')	Total/NA	Solid	8015B NM	93023
890-7228-16	CS - 16 (8.5')	Total/NA	Solid	8015B NM	93023
890-7228-17	CS - 17 (8.5')	Total/NA	Solid	8015B NM	93023
890-7228-18	CS - 18 (8.5')	Total/NA	Solid	8015B NM	93023
890-7228-19	CS - 19 (8.5')	Total/NA	Solid	8015B NM	93023
890-7228-20	CS - 20 (8.5')	Total/NA	Solid	8015B NM	93023
MB 880-93023/1-A	Method Blank	Total/NA	Solid	8015B NM	93023
LCS 880-93023/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	93023
LCSD 880-93023/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	93023
890-7228-1 MS	CS - 1 (8.5')	Total/NA	Solid	8015B NM	93023
890-7228-1 MSD	CS - 1 (8.5')	Total/NA	Solid	8015B NM	93023

Analysis Batch: 93132

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7228-21	CS - 21 (8.5')	Total/NA	Solid	8015B NM	93024
890-7228-22	CS - 22 (8.5')	Total/NA	Solid	8015B NM	93024
890-7228-23	CS - 23 (8.5')	Total/NA	Solid	8015B NM	93024
890-7228-24	CS - 24 (8.5')	Total/NA	Solid	8015B NM	93024
890-7228-25	CS - 25 (8.5')	Total/NA	Solid	8015B NM	93024
890-7228-26	CS - 26 (8.5')	Total/NA	Solid	8015B NM	93024
890-7228-27	CS - 27 (8.5')	Total/NA	Solid	8015B NM	93024
890-7228-28	CS - 28 (8.5')	Total/NA	Solid	8015B NM	93024
890-7228-29	SW - 1 (3.5'-8.5')	Total/NA	Solid	8015B NM	93024
890-7228-30	SW - 2 (3.5'-8.5')	Total/NA	Solid	8015B NM	93024
890-7228-31	SW - 3 (4.5'-8.5')	Total/NA	Solid	8015B NM	93024
890-7228-32	SW - 4 (8.5')	Total/NA	Solid	8015B NM	93024
890-7228-33	SW - 5 (4.5'-8.5')	Total/NA	Solid	8015B NM	93024
890-7228-34	SW - 6 (8.5')	Total/NA	Solid	8015B NM	93024
890-7228-35	SW - 7 (4.5'-8.5')	Total/NA	Solid	8015B NM	93024
890-7228-36	SW - 8 (8.5')	Total/NA	Solid	8015B NM	93024
890-7228-37	SW - 9 (4.5'-8.5')	Total/NA	Solid	8015B NM	93024
890-7228-38	SW - 10 (4.5'-8.5')	Total/NA	Solid	8015B NM	93024
890-7228-39	SW - 11 (8.5')	Total/NA	Solid	8015B NM	93024
890-7228-40	SW - 12 (8.5')	Total/NA	Solid	8015B NM	93024
890-7228-41	SW - 13 (8.5')	Total/NA	Solid	8015B NM	92955
890-7228-42	SW - 14 (8.5')	Total/NA	Solid	8015B NM	92955
890-7228-43	SW - 15 (8.5')	Total/NA	Solid	8015B NM	92955
890-7228-44	SW - 16 (8.5')	Total/NA	Solid	8015B NM	92955
890-7228-45	SW - 17 (8.5')	Total/NA	Solid	8015B NM	92955
890-7228-46	SW - 18 (8.5')	Total/NA	Solid	8015B NM	92955
890-7228-47	SW - 19 (8.5')	Total/NA	Solid	8015B NM	92955
890-7228-48	SW - 20 (8.5')	Total/NA	Solid	8015B NM	92955

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QC Association Summary

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

GC Semi VOA (Continued)

Analysis Batch: 93132 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-92955/1-A	Method Blank	Total/NA	Solid	8015B NM	92955
MB 880-93024/1-A	Method Blank	Total/NA	Solid	8015B NM	93024
LCS 880-92955/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	92955
LCS 880-93024/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	93024
LCSD 880-92955/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	92955
LCSD 880-93024/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	93024
880-49600-A-25-D MS	Matrix Spike	Total/NA	Solid	8015B NM	92955
880-49600-A-25-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	92955
890-7228-21 MS	CS - 21 (8.5')	Total/NA	Solid	8015B NM	93024
890-7228-21 MSD	CS - 21 (8.5')	Total/NA	Solid	8015B NM	93024

Analysis Batch: 93250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7228-1	CS - 1 (8.5')	Total/NA	Solid	8015 NM	
890-7228-2	CS - 2 (8.5')	Total/NA	Solid	8015 NM	
890-7228-3	CS - 3 (8.5')	Total/NA	Solid	8015 NM	
890-7228-4	CS - 4 (8.5')	Total/NA	Solid	8015 NM	
890-7228-5	CS - 5 (8.5')	Total/NA	Solid	8015 NM	
890-7228-6	CS - 6 (8.5')	Total/NA	Solid	8015 NM	
890-7228-7	CS - 7 (8.5')	Total/NA	Solid	8015 NM	
890-7228-8	CS - 8 (8.5')	Total/NA	Solid	8015 NM	
890-7228-9	CS - 9 (8.5')	Total/NA	Solid	8015 NM	
890-7228-10	CS - 10 (8.5')	Total/NA	Solid	8015 NM	
890-7228-11	CS - 11 (8.5')	Total/NA	Solid	8015 NM	
890-7228-12	CS - 12 (8.5')	Total/NA	Solid	8015 NM	
890-7228-13	CS - 13 (8.5')	Total/NA	Solid	8015 NM	
890-7228-14	CS - 14 (8.5')	Total/NA	Solid	8015 NM	
890-7228-15	CS - 15 (8.5')	Total/NA	Solid	8015 NM	
890-7228-16	CS - 16 (8.5')	Total/NA	Solid	8015 NM	
890-7228-17	CS - 17 (8.5')	Total/NA	Solid	8015 NM	
890-7228-18	CS - 18 (8.5')	Total/NA	Solid	8015 NM	
890-7228-19	CS - 19 (8.5')	Total/NA	Solid	8015 NM	
890-7228-20	CS - 20 (8.5')	Total/NA	Solid	8015 NM	
890-7228-21	CS - 21 (8.5')	Total/NA	Solid	8015 NM	
890-7228-22	CS - 22 (8.5')	Total/NA	Solid	8015 NM	
890-7228-23	CS - 23 (8.5')	Total/NA	Solid	8015 NM	
890-7228-24	CS - 24 (8.5')	Total/NA	Solid	8015 NM	
890-7228-25	CS - 25 (8.5')	Total/NA	Solid	8015 NM	
890-7228-26	CS - 26 (8.5')	Total/NA	Solid	8015 NM	
890-7228-27	CS - 27 (8.5')	Total/NA	Solid	8015 NM	
890-7228-28	CS - 28 (8.5')	Total/NA	Solid	8015 NM	
890-7228-29	SW - 1 (3.5'-8.5')	Total/NA	Solid	8015 NM	
890-7228-30	SW - 2 (3.5'-8.5')	Total/NA	Solid	8015 NM	
890-7228-31	SW - 3 (4.5'-8.5')	Total/NA	Solid	8015 NM	
890-7228-32	SW - 4 (8.5')	Total/NA	Solid	8015 NM	
890-7228-33	SW - 5 (4.5'-8.5')	Total/NA	Solid	8015 NM	
890-7228-34	SW - 6 (8.5')	Total/NA	Solid	8015 NM	
890-7228-35	SW - 7 (4.5'-8.5')	Total/NA	Solid	8015 NM	
890-7228-36	SW - 8 (8.5')	Total/NA	Solid	8015 NM	
890-7228-37	SW - 9 (4.5'-8.5')	Total/NA	Solid	8015 NM	
890-7228-38	SW - 10 (4.5'-8.5')	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

GC Semi VOA (Continued)

Analysis Batch: 93250 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7228-39	SW - 11 (8.5')	Total/NA	Solid	8015 NM	
890-7228-40	SW - 12 (8.5')	Total/NA	Solid	8015 NM	
890-7228-41	SW - 13 (8.5')	Total/NA	Solid	8015 NM	
890-7228-42	SW - 14 (8.5')	Total/NA	Solid	8015 NM	
890-7228-43	SW - 15 (8.5')	Total/NA	Solid	8015 NM	
890-7228-44	SW - 16 (8.5')	Total/NA	Solid	8015 NM	
890-7228-45	SW - 17 (8.5')	Total/NA	Solid	8015 NM	
890-7228-46	SW - 18 (8.5')	Total/NA	Solid	8015 NM	
890-7228-47	SW - 19 (8.5')	Total/NA	Solid	8015 NM	
890-7228-48	SW - 20 (8.5')	Total/NA	Solid	8015 NM	

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Leach Batch: 93025

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7228-1	CS - 1 (8.5')	Soluble	Solid	DI Leach	
890-7228-2	CS - 2 (8.5')	Soluble	Solid	DI Leach	
890-7228-3	CS - 3 (8.5')	Soluble	Solid	DI Leach	
890-7228-4	CS - 4 (8.5')	Soluble	Solid	DI Leach	
890-7228-5	CS - 5 (8.5')	Soluble	Solid	DI Leach	
890-7228-6	CS - 6 (8.5')	Soluble	Solid	DI Leach	
890-7228-7	CS - 7 (8.5')	Soluble	Solid	DI Leach	
890-7228-8	CS - 8 (8.5')	Soluble	Solid	DI Leach	
890-7228-9	CS - 9 (8.5')	Soluble	Solid	DI Leach	
890-7228-10	CS - 10 (8.5')	Soluble	Solid	DI Leach	
890-7228-11	CS - 11 (8.5')	Soluble	Solid	DI Leach	
890-7228-12	CS - 12 (8.5')	Soluble	Solid	DI Leach	
890-7228-13	CS - 13 (8.5')	Soluble	Solid	DI Leach	
890-7228-14	CS - 14 (8.5')	Soluble	Solid	DI Leach	
890-7228-15	CS - 15 (8.5')	Soluble	Solid	DI Leach	
890-7228-16	CS - 16 (8.5')	Soluble	Solid	DI Leach	
890-7228-17	CS - 17 (8.5')	Soluble	Solid	DI Leach	
890-7228-18	CS - 18 (8.5')	Soluble	Solid	DI Leach	
890-7228-19	CS - 19 (8.5')	Soluble	Solid	DI Leach	
890-7228-20	CS - 20 (8.5')	Soluble	Solid	DI Leach	
MB 880-93025/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-93025/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-93025/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-7228-1 MS	CS - 1 (8.5')	Soluble	Solid	DI Leach	
890-7228-1 MSD	CS - 1 (8.5')	Soluble	Solid	DI Leach	
890-7228-11 MS	CS - 11 (8.5')	Soluble	Solid	DI Leach	
890-7228-11 MSD	CS - 11 (8.5')	Soluble	Solid	DI Leach	

Leach Batch: 93026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7228-21	CS - 21 (8.5')	Soluble	Solid	DI Leach	
890-7228-22	CS - 22 (8.5')	Soluble	Solid	DI Leach	
890-7228-23	CS - 23 (8.5')	Soluble	Solid	DI Leach	
890-7228-24	CS - 24 (8.5')	Soluble	Solid	DI Leach	
890-7228-25	CS - 25 (8.5')	Soluble	Solid	DI Leach	
890-7228-26	CS - 26 (8.5')	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

HPLC/IC (Continued)

Leach Batch: 93026 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7228-27	CS - 27 (8.5')	Soluble	Solid	DI Leach	
890-7228-28	CS - 28 (8.5')	Soluble	Solid	DI Leach	
890-7228-29	SW - 1 (3.5'-8.5')	Soluble	Solid	DI Leach	
890-7228-30	SW - 2 (3.5'-8.5')	Soluble	Solid	DI Leach	
890-7228-31	SW - 3 (4.5'-8.5')	Soluble	Solid	DI Leach	
890-7228-32	SW - 4 (8.5')	Soluble	Solid	DI Leach	
890-7228-33	SW - 5 (4.5'-8.5')	Soluble	Solid	DI Leach	
890-7228-34	SW - 6 (8.5')	Soluble	Solid	DI Leach	
890-7228-35	SW - 7 (4.5'-8.5')	Soluble	Solid	DI Leach	
890-7228-36	SW - 8 (8.5')	Soluble	Solid	DI Leach	
890-7228-37	SW - 9 (4.5'-8.5')	Soluble	Solid	DI Leach	
890-7228-38	SW - 10 (4.5'-8.5')	Soluble	Solid	DI Leach	
890-7228-39	SW - 11 (8.5')	Soluble	Solid	DI Leach	
890-7228-40	SW - 12 (8.5')	Soluble	Solid	DI Leach	
MB 880-93026/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-93026/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-93026/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-7228-21 MS	CS - 21 (8.5')	Soluble	Solid	DI Leach	
890-7228-21 MSD	CS - 21 (8.5')	Soluble	Solid	DI Leach	
890-7228-31 MS	SW - 3 (4.5'-8.5')	Soluble	Solid	DI Leach	
890-7228-31 MSD	SW - 3 (4.5'-8.5')	Soluble	Solid	DI Leach	

Leach Batch: 93027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7228-41	SW - 13 (8.5')	Soluble	Solid	DI Leach	
890-7228-42	SW - 14 (8.5')	Soluble	Solid	DI Leach	
890-7228-43	SW - 15 (8.5')	Soluble	Solid	DI Leach	
890-7228-44	SW - 16 (8.5')	Soluble	Solid	DI Leach	
890-7228-45	SW - 17 (8.5')	Soluble	Solid	DI Leach	
890-7228-46	SW - 18 (8.5')	Soluble	Solid	DI Leach	
890-7228-47	SW - 19 (8.5')	Soluble	Solid	DI Leach	
890-7228-48	SW - 20 (8.5')	Soluble	Solid	DI Leach	
MB 880-93027/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-93027/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-93027/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-7222-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
890-7222-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 93037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7228-1	CS - 1 (8.5')	Soluble	Solid	300.0	93025
890-7228-2	CS - 2 (8.5')	Soluble	Solid	300.0	93025
890-7228-3	CS - 3 (8.5')	Soluble	Solid	300.0	93025
890-7228-4	CS - 4 (8.5')	Soluble	Solid	300.0	93025
890-7228-5	CS - 5 (8.5')	Soluble	Solid	300.0	93025
890-7228-6	CS - 6 (8.5')	Soluble	Solid	300.0	93025
890-7228-7	CS - 7 (8.5')	Soluble	Solid	300.0	93025
890-7228-8	CS - 8 (8.5')	Soluble	Solid	300.0	93025
890-7228-9	CS - 9 (8.5')	Soluble	Solid	300.0	93025
890-7228-10	CS - 10 (8.5')	Soluble	Solid	300.0	93025
890-7228-11	CS - 11 (8.5')	Soluble	Solid	300.0	93025

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QC Association Summary

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

HPLC/IC (Continued)

Analysis Batch: 93037 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7228-12	CS - 12 (8.5')	Soluble	Solid	300.0	93025
890-7228-13	CS - 13 (8.5')	Soluble	Solid	300.0	93025
890-7228-14	CS - 14 (8.5')	Soluble	Solid	300.0	93025
890-7228-15	CS - 15 (8.5')	Soluble	Solid	300.0	93025
890-7228-16	CS - 16 (8.5')	Soluble	Solid	300.0	93025
890-7228-17	CS - 17 (8.5')	Soluble	Solid	300.0	93025
890-7228-18	CS - 18 (8.5')	Soluble	Solid	300.0	93025
890-7228-19	CS - 19 (8.5')	Soluble	Solid	300.0	93025
890-7228-20	CS - 20 (8.5')	Soluble	Solid	300.0	93025
MB 880-93025/1-A	Method Blank	Soluble	Solid	300.0	93025
LCS 880-93025/2-A	Lab Control Sample	Soluble	Solid	300.0	93025
LCSD 880-93025/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	93025
890-7228-1 MS	CS - 1 (8.5')	Soluble	Solid	300.0	93025
890-7228-1 MSD	CS - 1 (8.5')	Soluble	Solid	300.0	93025
890-7228-11 MS	CS - 11 (8.5')	Soluble	Solid	300.0	93025
890-7228-11 MSD	CS - 11 (8.5')	Soluble	Solid	300.0	93025

Analysis Batch: 93059

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7228-21	CS - 21 (8.5')	Soluble	Solid	300.0	93026
890-7228-22	CS - 22 (8.5')	Soluble	Solid	300.0	93026
890-7228-23	CS - 23 (8.5')	Soluble	Solid	300.0	93026
890-7228-24	CS - 24 (8.5')	Soluble	Solid	300.0	93026
890-7228-25	CS - 25 (8.5')	Soluble	Solid	300.0	93026
890-7228-26	CS - 26 (8.5')	Soluble	Solid	300.0	93026
890-7228-27	CS - 27 (8.5')	Soluble	Solid	300.0	93026
890-7228-28	CS - 28 (8.5')	Soluble	Solid	300.0	93026
890-7228-29	SW - 1 (3.5'-8.5')	Soluble	Solid	300.0	93026
890-7228-30	SW - 2 (3.5'-8.5')	Soluble	Solid	300.0	93026
890-7228-31	SW - 3 (4.5'-8.5')	Soluble	Solid	300.0	93026
890-7228-32	SW - 4 (8.5')	Soluble	Solid	300.0	93026
890-7228-33	SW - 5 (4.5'-8.5')	Soluble	Solid	300.0	93026
890-7228-34	SW - 6 (8.5')	Soluble	Solid	300.0	93026
890-7228-35	SW - 7 (4.5'-8.5')	Soluble	Solid	300.0	93026
890-7228-36	SW - 8 (8.5')	Soluble	Solid	300.0	93026
890-7228-37	SW - 9 (4.5'-8.5')	Soluble	Solid	300.0	93026
890-7228-38	SW - 10 (4.5'-8.5')	Soluble	Solid	300.0	93026
890-7228-39	SW - 11 (8.5')	Soluble	Solid	300.0	93026
890-7228-40	SW - 12 (8.5')	Soluble	Solid	300.0	93026
MB 880-93026/1-A	Method Blank	Soluble	Solid	300.0	93026
LCS 880-93026/2-A	Lab Control Sample	Soluble	Solid	300.0	93026
LCSD 880-93026/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	93026
890-7228-21 MS	CS - 21 (8.5')	Soluble	Solid	300.0	93026
890-7228-21 MSD	CS - 21 (8.5')	Soluble	Solid	300.0	93026
890-7228-31 MS	SW - 3 (4.5'-8.5')	Soluble	Solid	300.0	93026
890-7228-31 MSD	SW - 3 (4.5'-8.5')	Soluble	Solid	300.0	93026

Analysis Batch: 93062

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7228-41	SW - 13 (8.5')	Soluble	Solid	300.0	93027
890-7228-42	SW - 14 (8.5')	Soluble	Solid	300.0	93027

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QC Association Summary

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

HPLC/IC (Continued)

Analysis Batch: 93062 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7228-43	SW - 15 (8.5')	Soluble	Solid	300.0	93027
890-7228-44	SW - 16 (8.5')	Soluble	Solid	300.0	93027
890-7228-45	SW - 17 (8.5')	Soluble	Solid	300.0	93027
890-7228-46	SW - 18 (8.5')	Soluble	Solid	300.0	93027
890-7228-47	SW - 19 (8.5')	Soluble	Solid	300.0	93027
890-7228-48	SW - 20 (8.5')	Soluble	Solid	300.0	93027
MB 880-93027/1-A	Method Blank	Soluble	Solid	300.0	93027
LCS 880-93027/2-A	Lab Control Sample	Soluble	Solid	300.0	93027
LCSD 880-93027/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	93027
890-7222-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	93027
890-7222-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	93027

Lab Chronicle

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Client Sample ID: CS - 1 (8.5')

Date Collected: 10/10/24 00:00

Date Received: 10/10/24 15:54

Lab Sample ID: 890-7228-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	93035	10/11/24 09:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93018	10/11/24 11:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93150	10/11/24 11:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			93250	10/11/24 16:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	93023	10/11/24 08:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93130	10/11/24 16:03	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	93025	10/11/24 08:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93037	10/11/24 10:52	CH	EET MID

Client Sample ID: CS - 2 (8.5')

Date Collected: 10/10/24 00:00

Date Received: 10/10/24 15:54

Lab Sample ID: 890-7228-2

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			4.97 g	5 mL	93035	10/11/24 09:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93018	10/11/24 11:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93150	10/11/24 11:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			93250	10/11/24 16:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	93023	10/11/24 08:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93130	10/11/24 16:57	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	93025	10/11/24 08:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93037	10/11/24 11:08	CH	EET MID

Client Sample ID: CS - 3 (8.5')

Date Collected: 10/10/24 00:00

Date Received: 10/10/24 15:54

Lab Sample ID: 890-7228-3

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	93035	10/11/24 09:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93018	10/11/24 12:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93150	10/11/24 12:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			93250	10/11/24 17:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	93023	10/11/24 08:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93130	10/11/24 17:12	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	93025	10/11/24 08:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93037	10/11/24 11:14	CH	EET MID

Client Sample ID: CS - 4 (8.5')

Date Collected: 10/10/24 00:00

Date Received: 10/10/24 15:54

Lab Sample ID: 890-7228-4

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	93035	10/11/24 09:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93018	10/11/24 12:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93150	10/11/24 12:38	SM	EET MID

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Lab Chronicle

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Client Sample ID: CS - 4 (8.5')

Date Collected: 10/10/24 00:00

Date Received: 10/10/24 15:54

Lab Sample ID: 890-7228-4

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			93250	10/11/24 17:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	93023	10/11/24 08:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93130	10/11/24 17:29	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	93025	10/11/24 08:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93037	10/11/24 11:19	CH	EET MID

Client Sample ID: CS - 5 (8.5')

Date Collected: 10/10/24 00:00

Date Received: 10/10/24 15:54

Lab Sample ID: 890-7228-5

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			5.02 g	5 mL	93035	10/11/24 09:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93018	10/11/24 12:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93150	10/11/24 12:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			93250	10/11/24 17:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10.00 mL	93023	10/11/24 08:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93130	10/11/24 17:45	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	93025	10/11/24 08:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93037	10/11/24 11:25	CH	EET MID

Client Sample ID: CS - 6 (8.5')

Date Collected: 10/10/24 00:00

Date Received: 10/10/24 15:54

Lab Sample ID: 890-7228-6

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			5.05 g	5 mL	93035	10/11/24 09:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93018	10/11/24 13:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93150	10/11/24 13:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			93250	10/11/24 18:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	93023	10/11/24 08:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93130	10/11/24 18:00	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	93025	10/11/24 08:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93037	10/11/24 11:41	CH	EET MID

Client Sample ID: CS - 7 (8.5')

Date Collected: 10/10/24 00:00

Date Received: 10/10/24 15:54

Lab Sample ID: 890-7228-7

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			4.96 g	5 mL	93035	10/11/24 09:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93018	10/11/24 13:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93150	10/11/24 13:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			93250	10/11/24 18:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	93023	10/11/24 08:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93130	10/11/24 18:16	TKC	EET MID

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Lab Chronicle

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Client Sample ID: CS - 7 (8.5')
Date Collected: 10/10/24 00:00
Date Received: 10/10/24 15:54

Lab Sample ID: 890-7228-7
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			4.95 g	50 mL	93025	10/11/24 08:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93037	10/11/24 11:46	CH	EET MID

Client Sample ID: CS - 8 (8.5')
Date Collected: 10/10/24 00:00
Date Received: 10/10/24 15:54

Lab Sample ID: 890-7228-8
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			4.95 g	5 mL	93035	10/11/24 09:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93018	10/11/24 14:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93150	10/11/24 14:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			93250	10/11/24 18:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10.00 mL	93023	10/11/24 08:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93130	10/11/24 18:32	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	93025	10/11/24 08:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93037	10/11/24 11:52	CH	EET MID

Client Sample ID: CS - 9 (8.5')
Date Collected: 10/10/24 00:00
Date Received: 10/10/24 15:54

Lab Sample ID: 890-7228-9
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			5.02 g	5 mL	93035	10/11/24 09:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93018	10/11/24 14:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93150	10/11/24 14:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			93250	10/11/24 18:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10.00 mL	93023	10/11/24 08:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93130	10/11/24 18:49	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	93025	10/11/24 08:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93037	10/11/24 11:57	CH	EET MID

Client Sample ID: CS - 10 (8.5')
Date Collected: 10/10/24 00:00
Date Received: 10/10/24 15:54

Lab Sample ID: 890-7228-10
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	93035	10/11/24 09:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93018	10/11/24 14:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93150	10/11/24 14:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			93250	10/11/24 19:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	93023	10/11/24 08:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93130	10/11/24 19:04	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	93025	10/11/24 08:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93037	10/11/24 12:02	CH	EET MID

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Lab Chronicle

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Client Sample ID: CS - 11 (8.5')
Date Collected: 10/10/24 00:00
Date Received: 10/10/24 15:54

Lab Sample ID: 890-7228-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	93035	10/11/24 09:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93018	10/11/24 16:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93150	10/11/24 16:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			93250	10/11/24 19:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	93023	10/11/24 08:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93130	10/11/24 19:36	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	93025	10/11/24 08:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93037	10/11/24 12:08	CH	EET MID

Client Sample ID: CS - 12 (8.5')
Date Collected: 10/10/24 00:00
Date Received: 10/10/24 15:54

Lab Sample ID: 890-7228-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	93035	10/11/24 09:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93018	10/11/24 16:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93150	10/11/24 16:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			93250	10/11/24 19:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	93023	10/11/24 08:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93130	10/11/24 19:52	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	93025	10/11/24 08:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93037	10/11/24 12:24	CH	EET MID

Client Sample ID: CS - 13 (8.5')
Date Collected: 10/10/24 00:00
Date Received: 10/10/24 15:54

Lab Sample ID: 890-7228-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	93035	10/11/24 09:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93018	10/11/24 16:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93150	10/11/24 16:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			93250	10/11/24 20:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	93023	10/11/24 08:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93130	10/11/24 20:08	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	93025	10/11/24 08:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93037	10/11/24 12:29	CH	EET MID

Client Sample ID: CS - 14 (8.5')
Date Collected: 10/10/24 00:00
Date Received: 10/10/24 15:54

Lab Sample ID: 890-7228-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	93035	10/11/24 09:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93018	10/11/24 17:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93150	10/11/24 17:17	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Client Sample ID: CS - 14 (8.5')

Lab Sample ID: 890-7228-14

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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			93250	10/11/24 20:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	93023	10/11/24 08:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93130	10/11/24 20:23	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	93025	10/11/24 08:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93037	10/11/24 12:46	CH	EET MID

Client Sample ID: CS - 15 (8.5')

Lab Sample ID: 890-7228-15

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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	93035	10/11/24 09:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93018	10/11/24 17:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93150	10/11/24 17:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			93250	10/11/24 20:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	93023	10/11/24 08:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93130	10/11/24 20:39	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	93025	10/11/24 08:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93037	10/11/24 12:51	CH	EET MID

Client Sample ID: CS - 16 (8.5')

Lab Sample ID: 890-7228-16

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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	93035	10/11/24 09:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93018	10/11/24 17:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93150	10/11/24 17:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			93250	10/11/24 20:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	93023	10/11/24 08:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93130	10/11/24 20:56	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	93025	10/11/24 08:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93037	10/11/24 12:57	CH	EET MID

Client Sample ID: CS - 17 (8.5')

Lab Sample ID: 890-7228-17

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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	93035	10/11/24 09:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93018	10/11/24 18:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93150	10/11/24 18:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			93250	10/11/24 21:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	93023	10/11/24 08:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93130	10/11/24 21:11	TKC	EET MID

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Lab Chronicle

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Client Sample ID: CS - 17 (8.5')

Lab Sample ID: 890-7228-17

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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	93025	10/11/24 08:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93037	10/11/24 13:02	CH	EET MID

Client Sample ID: CS - 18 (8.5')

Lab Sample ID: 890-7228-18

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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	93035	10/11/24 09:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93018	10/11/24 18:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93150	10/11/24 18:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			93250	10/11/24 21:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	93023	10/11/24 08:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93130	10/11/24 21:27	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	93025	10/11/24 08:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93037	10/11/24 13:07	CH	EET MID

Client Sample ID: CS - 19 (8.5')

Lab Sample ID: 890-7228-19

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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	93035	10/11/24 09:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93018	10/11/24 18:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93150	10/11/24 18:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			93250	10/11/24 21:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	93023	10/11/24 08:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93130	10/11/24 21:42	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	93025	10/11/24 08:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93037	10/11/24 13:13	CH	EET MID

Client Sample ID: CS - 20 (8.5')

Lab Sample ID: 890-7228-20

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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	93035	10/11/24 09:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93018	10/11/24 19:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93150	10/11/24 19:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			93250	10/11/24 21:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	93023	10/11/24 08:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93130	10/11/24 21:58	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	93025	10/11/24 08:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93037	10/11/24 13:18	CH	EET MID

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Lab Chronicle

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Client Sample ID: CS - 21 (8.5')
Date Collected: 10/10/24 00:00
Date Received: 10/10/24 15:54

Lab Sample ID: 890-7228-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	93036	10/11/24 09:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93021	10/11/24 12:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93150	10/11/24 12:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			93250	10/11/24 16:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	93024	10/11/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93132	10/11/24 16:03	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	93026	10/11/24 09:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93059	10/11/24 17:24	CH	EET MID

Client Sample ID: CS - 22 (8.5')
Date Collected: 10/10/24 00:00
Date Received: 10/10/24 15:54

Lab Sample ID: 890-7228-22
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	93185	10/14/24 09:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93303	10/15/24 11:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93150	10/15/24 11:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			93250	10/11/24 16:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	93024	10/11/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93132	10/11/24 16:57	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	93026	10/11/24 09:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93059	10/11/24 17:44	CH	EET MID

Client Sample ID: CS - 23 (8.5')
Date Collected: 10/10/24 00:00
Date Received: 10/10/24 15:54

Lab Sample ID: 890-7228-23
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	93036	10/11/24 09:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93021	10/11/24 12:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93150	10/11/24 12:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			93250	10/11/24 17:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	93024	10/11/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93132	10/11/24 17:12	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	93026	10/11/24 09:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93059	10/11/24 17:50	CH	EET MID

Client Sample ID: CS - 24 (8.5')
Date Collected: 10/10/24 00:00
Date Received: 10/10/24 15:54

Lab Sample ID: 890-7228-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	93036	10/11/24 09:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93021	10/11/24 13:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93150	10/11/24 13:10	SM	EET MID

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Lab Chronicle

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Client Sample ID: CS - 24 (8.5')
Date Collected: 10/10/24 00:00
Date Received: 10/10/24 15:54

Lab Sample ID: 890-7228-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			93250	10/11/24 17:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10.00 mL	93024	10/11/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93132	10/11/24 17:29	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	93026	10/11/24 09:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93059	10/11/24 17:57	CH	EET MID

Client Sample ID: CS - 25 (8.5')
Date Collected: 10/10/24 00:00
Date Received: 10/10/24 15:54

Lab Sample ID: 890-7228-25
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	93036	10/11/24 09:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93021	10/11/24 13:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93150	10/11/24 13:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			93250	10/11/24 17:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	93024	10/11/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93132	10/11/24 17:45	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	93026	10/11/24 09:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93059	10/11/24 18:04	CH	EET MID

Client Sample ID: CS - 26 (8.5')
Date Collected: 10/10/24 00:00
Date Received: 10/10/24 15:54

Lab Sample ID: 890-7228-26
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	93036	10/11/24 09:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93021	10/11/24 13:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93150	10/11/24 13:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			93250	10/11/24 18:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	93024	10/11/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93132	10/11/24 18:00	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	93026	10/11/24 09:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93059	10/11/24 18:24	CH	EET MID

Client Sample ID: CS - 27 (8.5')
Date Collected: 10/10/24 00:00
Date Received: 10/10/24 15:54

Lab Sample ID: 890-7228-27
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			4.96 g	5 mL	93036	10/11/24 09:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93021	10/11/24 14:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93150	10/11/24 14:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			93250	10/11/24 18:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	93024	10/11/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93132	10/11/24 18:16	TKC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Client Sample ID: CS - 27 (8.5')
Date Collected: 10/10/24 00:00
Date Received: 10/10/24 15:54

Lab Sample ID: 890-7228-27
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			4.97 g	50 mL	93026	10/11/24 09:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93059	10/11/24 18:31	CH	EET MID

Client Sample ID: CS - 28 (8.5')
Date Collected: 10/10/24 00:00
Date Received: 10/10/24 15:54

Lab Sample ID: 890-7228-28
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	93036	10/11/24 09:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93021	10/11/24 14:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93150	10/11/24 14:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			93250	10/11/24 18:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	93024	10/11/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93132	10/11/24 18:32	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	93026	10/11/24 09:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93059	10/11/24 18:37	CH	EET MID

Client Sample ID: SW - 1 (3.5'-8.5')
Date Collected: 10/10/24 00:00
Date Received: 10/10/24 15:54

Lab Sample ID: 890-7228-29
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	93036	10/11/24 09:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93021	10/11/24 14:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93150	10/11/24 14:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			93250	10/11/24 18:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	93024	10/11/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93132	10/11/24 18:49	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	93026	10/11/24 09:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93059	10/11/24 18:44	CH	EET MID

Client Sample ID: SW - 2 (3.5'-8.5')
Date Collected: 10/10/24 00:00
Date Received: 10/10/24 15:54

Lab Sample ID: 890-7228-30
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	93036	10/11/24 09:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93021	10/11/24 15:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93150	10/11/24 15:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			93250	10/11/24 19:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10.00 mL	93024	10/11/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93132	10/11/24 19:04	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	93026	10/11/24 09:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93059	10/11/24 18:51	CH	EET MID

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Lab Chronicle

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Client Sample ID: SW - 3 (4.5'-8.5')
Date Collected: 10/10/24 00:00
Date Received: 10/10/24 15:54

Lab Sample ID: 890-7228-31
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	93036	10/11/24 09:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93021	10/11/24 17:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93150	10/11/24 17:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			93250	10/11/24 19:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	93024	10/11/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93132	10/11/24 19:36	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	93026	10/11/24 09:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93059	10/11/24 18:57	CH	EET MID

Client Sample ID: SW - 4 (8.5')
Date Collected: 10/10/24 00:00
Date Received: 10/10/24 15:54

Lab Sample ID: 890-7228-32
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			5.01 g	5 mL	93036	10/11/24 09:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93021	10/11/24 17:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93150	10/11/24 17:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			93250	10/11/24 19:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	93024	10/11/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93132	10/11/24 19:52	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	93026	10/11/24 09:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93059	10/11/24 19:17	CH	EET MID

Client Sample ID: SW - 5 (4.5'-8.5')
Date Collected: 10/10/24 00:00
Date Received: 10/10/24 15:54

Lab Sample ID: 890-7228-33
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			4.96 g	5 mL	93036	10/11/24 09:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93021	10/11/24 17:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93150	10/11/24 17:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			93250	10/11/24 20:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	93024	10/11/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93132	10/11/24 20:08	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	93026	10/11/24 09:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93059	10/11/24 19:24	CH	EET MID

Client Sample ID: SW - 6 (8.5')
Date Collected: 10/10/24 00:00
Date Received: 10/10/24 15:54

Lab Sample ID: 890-7228-34
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	93036	10/11/24 09:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93021	10/11/24 18:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93150	10/11/24 18:05	SM	EET MID

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Lab Chronicle

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Client Sample ID: SW - 6 (8.5')

Lab Sample ID: 890-7228-34

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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			93250	10/11/24 20:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	93024	10/11/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93132	10/11/24 20:23	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	93026	10/11/24 09:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93059	10/11/24 19:44	CH	EET MID

Client Sample ID: SW - 7 (4.5'-8.5')

Lab Sample ID: 890-7228-35

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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	93036	10/11/24 09:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93021	10/11/24 18:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93150	10/11/24 18:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			93250	10/11/24 20:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	93024	10/11/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93132	10/11/24 20:39	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	93026	10/11/24 09:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93059	10/11/24 19:51	CH	EET MID

Client Sample ID: SW - 8 (8.5')

Lab Sample ID: 890-7228-36

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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	93036	10/11/24 09:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93021	10/11/24 18:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93150	10/11/24 18:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			93250	10/11/24 20:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	93024	10/11/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93132	10/11/24 20:56	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	93026	10/11/24 09:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93059	10/11/24 19:57	CH	EET MID

Client Sample ID: SW - 9 (4.5'-8.5')

Lab Sample ID: 890-7228-37

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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	93036	10/11/24 09:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93021	10/11/24 19:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93150	10/11/24 19:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			93250	10/11/24 21:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	93024	10/11/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93132	10/11/24 21:11	TKC	EET MID

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Lab Chronicle

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Client Sample ID: SW - 9 (4.5'-8.5')**Lab Sample ID: 890-7228-37****Date Collected: 10/10/24 00:00****Matrix: Solid****Date Received: 10/10/24 15:54**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	93026	10/11/24 09:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93059	10/11/24 20:04	CH	EET MID

Client Sample ID: SW - 10 (4.5'-8.5')**Lab Sample ID: 890-7228-38****Date Collected: 10/10/24 00:00****Matrix: Solid****Date Received: 10/10/24 15:54**

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	93036	10/11/24 09:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93021	10/11/24 19:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93150	10/11/24 19:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			93250	10/11/24 21:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	93024	10/11/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93132	10/11/24 21:27	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	93026	10/11/24 09:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93059	10/11/24 20:11	CH	EET MID

Client Sample ID: SW - 11 (8.5')**Lab Sample ID: 890-7228-39****Date Collected: 10/10/24 00:00****Matrix: Solid****Date Received: 10/10/24 15:54**

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	93036	10/11/24 09:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93021	10/11/24 19:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93150	10/11/24 19:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			93250	10/11/24 21:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	93024	10/11/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93132	10/11/24 21:42	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	93026	10/11/24 09:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93059	10/11/24 20:17	CH	EET MID

Client Sample ID: SW - 12 (8.5')**Lab Sample ID: 890-7228-40****Date Collected: 10/10/24 00:00****Matrix: Solid****Date Received: 10/10/24 15:54**

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	93036	10/11/24 09:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93021	10/11/24 20:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93150	10/11/24 20:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			93250	10/11/24 21:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	93024	10/11/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93132	10/11/24 21:58	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	93026	10/11/24 09:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93059	10/11/24 20:24	CH	EET MID

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Lab Chronicle

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Client Sample ID: SW - 13 (8.5')

Lab Sample ID: 890-7228-41

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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	93038	10/11/24 09:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93017	10/11/24 11:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93150	10/11/24 11:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			93250	10/12/24 02:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	92955	10/10/24 10:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93132	10/12/24 02:59	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	93027	10/11/24 09:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93062	10/11/24 16:11	CH	EET MID

Client Sample ID: SW - 14 (8.5')

Lab Sample ID: 890-7228-42

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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	93038	10/11/24 09:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93017	10/11/24 11:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93150	10/11/24 11:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			93250	10/12/24 03:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	92955	10/10/24 10:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93132	10/12/24 03:30	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	93027	10/11/24 09:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93062	10/11/24 16:28	CH	EET MID

Client Sample ID: SW - 15 (8.5')

Lab Sample ID: 890-7228-43

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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	93038	10/11/24 09:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93017	10/11/24 12:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93150	10/11/24 12:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			93250	10/12/24 03:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	92955	10/10/24 10:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93132	10/12/24 03:45	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	93027	10/11/24 09:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93062	10/11/24 16:33	CH	EET MID

Client Sample ID: SW - 16 (8.5')

Lab Sample ID: 890-7228-44

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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	93038	10/11/24 09:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93017	10/11/24 12:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93150	10/11/24 12:29	SM	EET MID

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Lab Chronicle

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Client Sample ID: SW - 16 (8.5')

Lab Sample ID: 890-7228-44

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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			93250	10/12/24 04:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	92955	10/10/24 10:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93132	10/12/24 04:01	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	93027	10/11/24 09:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93062	10/11/24 16:39	CH	EET MID

Client Sample ID: SW - 17 (8.5')

Lab Sample ID: 890-7228-45

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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	93038	10/11/24 09:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93017	10/11/24 12:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93150	10/11/24 12:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			93250	10/12/24 04:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	92955	10/10/24 10:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93132	10/12/24 04:17	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	93027	10/11/24 09:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93062	10/11/24 16:44	CH	EET MID

Client Sample ID: SW - 18 (8.5')

Lab Sample ID: 890-7228-46

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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	93038	10/11/24 09:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93017	10/11/24 16:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93150	10/11/24 16:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			93250	10/12/24 04:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	92955	10/10/24 10:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93132	10/12/24 04:33	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	93027	10/11/24 09:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93062	10/11/24 16:50	CH	EET MID

Client Sample ID: SW - 19 (8.5')

Lab Sample ID: 890-7228-47

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/10/24 15:54

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	93038	10/11/24 09:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93017	10/11/24 16:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93150	10/11/24 16:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			93250	10/12/24 04:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	92955	10/10/24 10:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93132	10/12/24 04:48	TKC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Client Sample ID: SW - 19 (8.5')
Date Collected: 10/10/24 00:00
Date Received: 10/10/24 15:54

Lab Sample ID: 890-7228-47
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			4.97 g	50 mL	93027	10/11/24 09:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93062	10/11/24 16:55	CH	EET MID

Client Sample ID: SW - 20 (8.5')
Date Collected: 10/10/24 00:00
Date Received: 10/10/24 15:54

Lab Sample ID: 890-7228-48
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	93038	10/11/24 09:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93017	10/11/24 16:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93150	10/11/24 16:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			93250	10/12/24 05:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	92955	10/10/24 10:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93132	10/12/24 05:06	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	93027	10/11/24 09:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93062	10/11/24 17:01	CH	EET MID

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

Accreditation/Certification Summary

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

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

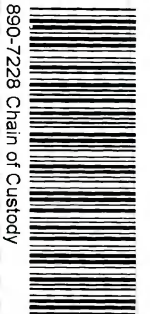
Sample Summary

Client: Coterra Energy Inc
Project/Site: RIVERBEND 12-13 FEDERAL COM 33H

Job ID: 890-7228-1
SDG: 2059

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-7228-1	CS - 1 (8.5')	Solid	10/10/24 00:00	10/10/24 15:54
890-7228-2	CS - 2 (8.5')	Solid	10/10/24 00:00	10/10/24 15:54
890-7228-3	CS - 3 (8.5')	Solid	10/10/24 00:00	10/10/24 15:54
890-7228-4	CS - 4 (8.5')	Solid	10/10/24 00:00	10/10/24 15:54
890-7228-5	CS - 5 (8.5')	Solid	10/10/24 00:00	10/10/24 15:54
890-7228-6	CS - 6 (8.5')	Solid	10/10/24 00:00	10/10/24 15:54
890-7228-7	CS - 7 (8.5')	Solid	10/10/24 00:00	10/10/24 15:54
890-7228-8	CS - 8 (8.5')	Solid	10/10/24 00:00	10/10/24 15:54
890-7228-9	CS - 9 (8.5')	Solid	10/10/24 00:00	10/10/24 15:54
890-7228-10	CS - 10 (8.5')	Solid	10/10/24 00:00	10/10/24 15:54
890-7228-11	CS - 11 (8.5')	Solid	10/10/24 00:00	10/10/24 15:54
890-7228-12	CS - 12 (8.5')	Solid	10/10/24 00:00	10/10/24 15:54
890-7228-13	CS - 13 (8.5')	Solid	10/10/24 00:00	10/10/24 15:54
890-7228-14	CS - 14 (8.5')	Solid	10/10/24 00:00	10/10/24 15:54
890-7228-15	CS - 15 (8.5')	Solid	10/10/24 00:00	10/10/24 15:54
890-7228-16	CS - 16 (8.5')	Solid	10/10/24 00:00	10/10/24 15:54
890-7228-17	CS - 17 (8.5')	Solid	10/10/24 00:00	10/10/24 15:54
890-7228-18	CS - 18 (8.5')	Solid	10/10/24 00:00	10/10/24 15:54
890-7228-19	CS - 19 (8.5')	Solid	10/10/24 00:00	10/10/24 15:54
890-7228-20	CS - 20 (8.5')	Solid	10/10/24 00:00	10/10/24 15:54
890-7228-21	CS - 21 (8.5')	Solid	10/10/24 00:00	10/10/24 15:54
890-7228-22	CS - 22 (8.5')	Solid	10/10/24 00:00	10/10/24 15:54
890-7228-23	CS - 23 (8.5')	Solid	10/10/24 00:00	10/10/24 15:54
890-7228-24	CS - 24 (8.5')	Solid	10/10/24 00:00	10/10/24 15:54
890-7228-25	CS - 25 (8.5')	Solid	10/10/24 00:00	10/10/24 15:54
890-7228-26	CS - 26 (8.5')	Solid	10/10/24 00:00	10/10/24 15:54
890-7228-27	CS - 27 (8.5')	Solid	10/10/24 00:00	10/10/24 15:54
890-7228-28	CS - 28 (8.5')	Solid	10/10/24 00:00	10/10/24 15:54
890-7228-29	SW - 1 (3.5'-8.5')	Solid	10/10/24 00:00	10/10/24 15:54
890-7228-30	SW - 2 (3.5'-8.5')	Solid	10/10/24 00:00	10/10/24 15:54
890-7228-31	SW - 3 (4.5'-8.5')	Solid	10/10/24 00:00	10/10/24 15:54
890-7228-32	SW - 4 (8.5')	Solid	10/10/24 00:00	10/10/24 15:54
890-7228-33	SW - 5 (4.5'-8.5')	Solid	10/10/24 00:00	10/10/24 15:54
890-7228-34	SW - 6 (8.5')	Solid	10/10/24 00:00	10/10/24 15:54
890-7228-35	SW - 7 (4.5'-8.5')	Solid	10/10/24 00:00	10/10/24 15:54
890-7228-36	SW - 8 (8.5')	Solid	10/10/24 00:00	10/10/24 15:54
890-7228-37	SW - 9 (4.5'-8.5')	Solid	10/10/24 00:00	10/10/24 15:54
890-7228-38	SW - 10 (4.5'-8.5')	Solid	10/10/24 00:00	10/10/24 15:54
890-7228-39	SW - 11 (8.5')	Solid	10/10/24 00:00	10/10/24 15:54
890-7228-40	SW - 12 (8.5')	Solid	10/10/24 00:00	10/10/24 15:54
890-7228-41	SW - 13 (8.5')	Solid	10/10/24 00:00	10/10/24 15:54
890-7228-42	SW - 14 (8.5')	Solid	10/10/24 00:00	10/10/24 15:54
890-7228-43	SW - 15 (8.5')	Solid	10/10/24 00:00	10/10/24 15:54
890-7228-44	SW - 16 (8.5')	Solid	10/10/24 00:00	10/10/24 15:54
890-7228-45	SW - 17 (8.5')	Solid	10/10/24 00:00	10/10/24 15:54
890-7228-46	SW - 18 (8.5')	Solid	10/10/24 00:00	10/10/24 15:54
890-7228-47	SW - 19 (8.5')	Solid	10/10/24 00:00	10/10/24 15:54
890-7228-48	SW - 20 (8.5')	Solid	10/10/24 00:00	10/10/24 15:54

Chain of Custody



890-7228 Chain of Custody

Work Order No: _____

Page 1 of 5

Project Manager:	Ashten Thielke	Bill to: (if different)	Laci Lugo
Company Name:	Camrona Resources	Company Name:	Cimarex Energy
Address:	310 W Wall St Ste 500	Address:	6001 Deauville Blvd, Suite 300N
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-8988	Email:	laci.lugo@comerra.com ashten.thielke@comerra.com

Project Name:	Riverbend 12-13 Federal Com 33H	Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number:	2059	☐ Routine ☒ Rush	48 Hour														None: NO	DI Water: H ₂ O
Project Location:	Eddy County, New Mexico	Due Date:															Cool: Cool	MeOH: Me
Sampler's Name:	Cade																HCL: HC	HNO ₃ : HN
PO #:																	H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT		Temp Blank: ☒ Yes ☒ No	Wet Ice: ☒ Yes ☒ No	Parameters												Hold		
Received Intact:	☒ Yes ☒ No	Thermometer ID:	7.0.2	BTX 8021B												NaHSO ₄ : HP		
Cooler Custody Seals:	☒ Yes ☒ No	Correction Factor:	7.2	TPH 8015M (GRO + DRO + MRO)												NaHSO ₄ : NABIS		
Sample Custody Seals:	☒ Yes ☒ No	Temperature Reading:	7.0	Chloride 300.0												Na ₂ S ₂ O ₃ : NaSO ₃		
Total Containers:		Corrected Temperature:														Zn Acetate+NaOH: Zn		
																NaOH+Ascorbic Acid: SARC		
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont												Sample Comments
CS-1 (8.5)	10/10/2024		X		Comp	1	X	X	X									
CS-2 (8.5)	10/10/2024		X		Comp	1	X	X	X									
CS-3 (8.5)	10/10/2024		X		Comp	1	X	X	X									
CS-4 (8.5)	10/10/2024		X		Comp	1	X	X	X									
CS-5 (8.5)	10/10/2024		X		Comp	1	X	X	X									
CS-6 (8.5)	10/10/2024		X		Comp	1	X	X	X									
CS-7 (8.5)	10/10/2024		X		Comp	1	X	X	X									
CS-8 (8.5)	10/10/2024		X		Comp	1	X	X	X									
CS-9 (8.5)	10/10/2024		X		Comp	1	X	X	X									
CS-10 (8.5)	10/10/2024		X		Comp	1	X	X	X									

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Laci Lugo</i>	10-10-24	<i>Bruce</i>	10/10 1554

Chain of Custody

Work Order No: _____

Page 2 of 5

Project Manager:	Ashton Thielke	Bill to: (if different)	Lael Luing
Company Name:	Carmona Resources	Company Name:	Cinatrex Energy
Address:	310 W. Wall St Ste 500	Address:	6001 Deauville Blvd, Suite 300N
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-8988	Email:	lael.luing@cinatrex.com ashton.thielke@coterra.com
Work Order Comments Program: ☒ UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐ State of Project: _____ Reporting Level: ☐ Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐ Deliverables: EDD ☐ ADAPT ☐ Other: _____			

Project Name:	Riverbend 12-13 Federal Com 33H	Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes					
Project Number:	2059	☐ Routine ☒ Rush														None: NO	DI Water: H ₂ O				
Project Location:	Eddy County, New Mexico	Due Date:	48 Hour													Cool: Cool	MeOH: Me				
Sampler's Name:	Cade															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:		Correction Factor:														NaHSO ₄ : NABIS			
Cooler Custody Seals:	☒ Yes ☐ No	Temperature Reading:		Corrected Temperature:														Na ₂ S ₂ O ₅ : NaSO ₃			
Sample Custody Seals:	☒ Yes ☐ No																	Zn Acetate+NaOH: Zn			
Total Containers:																		NaOH+Ascorbic Acid: SAPC			
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
CS-11 (8.5)		10/10/2024		X		Comp	1	X	X	X											
CS-12 (8.5)		10/10/2024		X		Comp	1	X	X	X											
CS-13 (8.5)		10/10/2024		X		Comp	1	X	X	X											
CS-14 (8.5)		10/10/2024		X		Comp	1	X	X	X											
CS-15 (8.5)		10/10/2024		X		Comp	1	X	X	X											
CS-16 (8.5)		10/10/2024		X		Comp	1	X	X	X											
CS-17 (8.5)		10/10/2024		X		Comp	1	X	X	X											
CS-18 (8.5)		10/10/2024		X		Comp	1	X	X	X											
CS-19 (8.5)		10/10/2024		X		Comp	1	X	X	X											
CS-20 (8.5)		10/10/2024		X		Comp	1	X	X	X											

Comments:

Relinquished by: (Signature)		Date/Time	Received by: (Signature)		Date/Time
Cade Thielke		10-10-24	Benny		10-15-24

Chain of Custody

Work Order No: _____

Project Manager:		Ashlon Thielke	Bill to: (if different)	Laci Luijg
Company Name:		Carmoma Resources	Company Name:	Cimarex Energy
Address:		310 W Wall St Ste 500	Address:	6001 Deauville Blvd, Suite 300N
City, State ZIP:		Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:		432-813-8988	Email:	laci.luijg@coterra.com ashlon.thielke@coterra.com

Work Order Comments Program: UST/PST ☐ PRP ☐ brownfields ☐ IRC ☐ pfund State of Project: Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV Deliverables: EDD ☐ ADAPT ☐ Other:				

Project Name:				Riverbend 12-13 Federal Com 33H				Turn Around				ANALYSIS REQUEST												Preservative Codes					
Project Number:				2059				☐ Routine ☒ Rush												None: NO		DI Water: H ₂ O							
Project Location				Eddy County, New Mexico				Due Date:		48 Hour										Cool: Cool		MeOH: Me							
Sampler's Name:				Cade																HCL: HC		HNO ₃ : HN							
PO #:																				H ₂ SO ₄ : H ₂		NaOH: Na							
SAMPLE RECEIPT				Temp Blank:		☒ Yes ☐ No		Well Ice:		☒ Yes ☐ No										H ₃ PO ₄ : HP									
Received Intact:				☒ Yes ☐ No		Thermometer ID:				T ₁ = 7										NaHSO ₄ : NABIS									
Cooler Custody Seals:				☒ Yes ☐ No		Correction Factor:				T ₂ = 2										Na ₂ S ₂ O ₃ : NaSO ₃									
Sample Custody Seals:				☒ Yes ☐ No		Temperature Reading:				T ₃ = 2										Zn Acetate+NaOH: Zn									
Total Containers:						Corrected Temperature:				T ₄ = 2										NaOH+Ascorbic Acid: SAPC									
Sample Identification				Date		Time		Soil		Water		Grab/Comp		# of Cont														Sample Comments	
CS-21 (8.5)				10/10/2024				X				Comp		1		X		X		X									
CS-22 (8.5)				10/10/2024				X				Comp		1		X		X		X									
CS-23 (8.5)				10/10/2024				X				Comp		1		X		X		X									
CS-24 (8.5)				10/10/2024				X				Comp		1		X		X		X									
CS-25 (8.5)				10/10/2024				X				Comp		1		X		X		X									
CS-26 (8.5)				10/10/2024				X				Comp		1		X		X		X									
CS-27 (8.5)				10/10/2024				X				Comp		1		X		X		X									
CS-28 (8.5)				10/10/2024				X				Comp		1		X		X		X									
SW-1 (3.5-8.5)				10/10/2024				X				Comp		1		X		X		X									
SW-2 (3.5-8.5)				10/10/2024				X				Comp		1		X		X		X									

Comments:

Relinquished by: (Signature)

Cale McHenry

Date/Time

Received by: (Signature)

Date/Time

72-01-01

Re Benny

10/10	1834

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Chain of Custody

Work Order No: _____

Page 4 of 5

Project Manager:	Ashton Thielke	Bill to: (if different)	Laci Lugo
Company Name:	Carmona Resources	Company Name:	Cinatrex Energy
Address:	310 W Wall St Ste 500	Address:	6001 Deaurville Blvd, Suite 300N
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-8988	Email:	laci.lugo@coterra.com ashon.thielke@coterra.com

Work Order Comments			
Program: UST/PST	☐ PRP	☐ Brownfields	☐ IJC
State of Project:	☐ Level II	☐ Level III	☐ ST/UST
Reporting Level:	☐ Level I	☐ Level II	☐ Level III
Deliverables:	EDD	ADAPT	Other:

Project Name:		Riverbend 12-13 Federal Com 33H		Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes	
Project Number:	2059	☐ Routine	☒ Rush	Due Date:	48 Hour		None: NO	DI Water: H ₂ O												
Project Location	Eddy County, New Mexico					Cool: Cool	MeOH: Me													
Sampler's Name:	Cade					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:																		
Cooler Custody Seals:	Yes No	Correction Factor:																		
Sample Custody Seals:	Yes No	Temperature Reading:																		
Total Containers:		Corrected Temperature:																		
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments		
SW-3 (4.5'-8.5')		10/10/2024		X		Comp	1	X	X	X										
SW-4 (8.5')		10/10/2024		X		Comp	1	X	X	X										
SW-5 (4.5'-8.5')		10/10/2024		X		Comp	1	X	X	X										
SW-6 (8.5')		10/10/2024		X		Comp	1	X	X	X										
SW-7 (4.5'-8.5')		10/10/2024		X		Comp	1	X	X	X										
SW-8 (8.5')		10/10/2024		X		Comp	1	X	X	X										
SW-9 (4.5'-8.5')		10/10/2024		X		Comp	1	X	X	X										
SW-10 (4.5'-8.5')		10/10/2024		X		Comp	1	X	X	X										
SW-11 (8.5')		10/10/2024		X		Comp	1	X	X	X										
SW-12 (8.5')		10/10/2024		X		Comp	1	X	X	X										

Comments:

Relinquished by: (Signature)

Date/Time

Received by: (Signature)

Date/Time

Cade Thielke

10-10-24

ASUN

12/10/24

Chain of Custody

Work Order No: _____

Page 5 of 5

Project Manager:	Ashton Thielke	Bill to: (if different)	Laci Lugo
Company Name:	Carmona Resources	Company Name:	Cinatrex Energy
Address:	310 W Wall St Ste 500	Address:	6001 Deauville Blvd, Suite 300N
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-8988	Email:	laci.lugo@coterra.com ashton.thielke@coterra.com
Work Order Comments Program: UST/PST ☐ PRP ☐ Brownfields ☐ JRC ☐ Jperfund ☐ State of Project: Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐ Deliverables: EDD ☐ ADAPT ☐ Other: _____			

Project Name:	Riverbend 12-13 Federal Com 33H	Turn Around ☐ Routine ☒ Rush		Due Date:	48 Hour
Project Number:	2059				
Project Location:	Eddy County, New Mexico				
Sampler's Name:	Cade				
PO #:					
SAMPLE RECEIPT		Temp Blank:	Yes ☒ No ☐	Wet Ice:	Yes ☒ No ☐
Received Intact:	Yes ☒ No ☐	Thermometer ID:	T-0.2		
Cooler Custody Seals:	Yes ☒ No ☐	Correction Factor:	7.2		
Sample Custody Seals:	Yes ☒ No ☐	Temperature Reading:	7.2		
Total Containers:		Corrected Temperature:	7.2		
Parameters					
		BTX 8021B			
		TPH 8015M (GRO + DRO + MRO)			
		Chloride 300.0			
ANALYSIS REQUEST					
Preservative Codes					
None: NO ☐ DI Water: H ₂ O ☐ Cool: Cool ☐ MeOH: Me ☐ HCL: HC ☐ HNO ₃ : HN ☐ H ₂ SO ₄ : H ₂ ☐ NaOH: Na ☐ H ₃ PO ₄ : HP ☐ NaHSO ₄ : NABIS ☐ Na ₂ S ₂ O ₃ : NaSO ₃ ☐ Zn Acetate+NaOH: Zn ☐ NaOH+Ascorbic Acid: SAPC ☐					
Sample Identification		Date	Time	Soil	Water
SW-13 (8.5')	10/10/2024		X	Comp	1
SW-14 (8.5')	10/10/2024		X	Comp	1
SW-15 (8.5')	10/10/2024		X	Comp	1
SW-16 (8.5')	10/10/2024		X	Comp	1
SW-17 (8.5')	10/10/2024		X	Comp	1
SW-18 (8.5')	10/10/2024		X	Comp	1
SW-19 (8.5')	10/10/2024		X	Comp	1
SW-20 (8.5')	10/10/2024		X	Comp	1

Comments:

Relinquished by: (Signature)		Date/Time	Received by: (Signature)	Date/Time
Cal Muehling		10-10-24	[Signature]	10-10-24

Login Sample Receipt Checklist

Client: Coterra Energy Inc

Job Number: 890-7228-1

SDG Number: 2059

Login Number: 7228

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: Coterra Energy Inc

Job Number: 890-7228-1
SDG Number: 2059

Login Number: 7228
List Number: 2
Creator: Laing, Edmundo

List Source: Eurofins Midland
List Creation: 10/11/24 08:34 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 10/21/2024 12:36:48 PM

JOB DESCRIPTION

Riverbend 12-13 Federal Com 33H
Eddy County, New Mexico

JOB NUMBER

880-49948-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



Generated
10/21/2024 12:36:48 PM

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

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Laboratory Job ID: 880-49948-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
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: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1

Job ID: 880-49948-1

Eurofins Midland

Job Narrative
880-49948-1

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 10/17/2024 4:19 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 -2.4°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS-29 (4.5') (880-49948-1), CS-30 (4.5') (880-49948-2), CS-31 (4.5') (880-49948-3), CS-32 (4.5') (880-49948-4), CS-33 (4.5') (880-49948-5), CS-34 (4.5') (880-49948-6), CS-35 (4.5') (880-49948-7), CS-36 (4.5') (880-49948-8), CS-37 (4.5') (880-49948-9), CS-38 (4.5') (880-49948-10), CS-39 (4.5') (880-49948-11), CS-40 (4.5') (880-49948-12), CS-41 (4.5') (880-49948-13), CS-42 (4.5') (880-49948-14), CS-43 (4.5') (880-49948-15), CS-44 (4.5') (880-49948-16), CS-45 (4.5') (880-49948-17), CS-46 (3.5') (880-49948-18), CS-47 (3.5') (880-49948-19), CS-48 (3.5') (880-49948-20), CS-49 (3.5') (880-49948-21), CS-50 (3.5') (880-49948-22), CS-51 (3.5') (880-49948-23), CS-52 (3.5') (880-49948-24), CS-53 (3.5') (880-49948-25), CS-54 (3.5') (880-49948-26), CS-55 (3.5') (880-49948-27), CS-56 (3.5') (880-49948-28), CS-57 (3.5') (880-49948-29), CS-58 (3.5') (880-49948-30), CS-59 (3.5') (880-49948-31), CS-60 (3.5') (880-49948-32), CS-61 (3.5') (880-49948-33), CS-62 (3.5') (880-49948-34), CS-63 (3.5') (880-49948-35), CS-64 (3.5') (880-49948-36), CS-65 (3.5') (880-49948-37), CS-66 (3.5') (880-49948-38), CS-67 (3.5') (880-49948-39), CS-68 (3.5') (880-49948-40), CS-69 (3.5') (880-49948-41), CS-70 (3.5') (880-49948-42), CS-71 (3.5') (880-49948-43), CS-72 (3.5') (880-49948-44), CS-73 (3.5') (880-49948-45), SW-21 (4.5') (880-49948-46), SW-22 (4.5') (880-49948-47), SW-23 (4.5') (880-49948-48), SW-24 (4.5') (880-49948-49), SW-25 (3.5') (880-49948-50), SW-26 (3.5') (880-49948-51), SW-27 (3.5') (880-49948-52) and SW-28 (3.5') (880-49948-53).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-93610 and analytical batch 880-93630 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-93610 and analytical batch 880-93630 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: CS-49 (3.5') (880-49948-21), CS-50 (3.5') (880-49948-22), CS-56 (3.5') (880-49948-28) and (880-49948-A-21-A MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS-67 (3.5') (880-49948-39) and (LCS 880-93617/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-93613 and analytical batch 880-93663 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28).

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-93613 and analytical batch 880-93663 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have

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Case Narrative

Client: Carmona Resources
Project: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1

Job ID: 880-49948-1 (Continued)

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been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (LCS 880-93613/2-A) and (LCSD 880-93613/3-A). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-93663 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-93663/21).

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-93615 and analytical batch 880-93665 was outside the upper control limits.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (LCS 880-93615/2-A) and (LCSD 880-93615/3-A). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-93615 and analytical batch 880-93665 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-93667 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-93667/21).

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: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-29 (4.5')

Lab Sample ID: 880-49948-1

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:01	10/18/24 19:52	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/18/24 08:01	10/18/24 19:52	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/18/24 08:01	10/18/24 19:52	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/18/24 08:01	10/18/24 19:52	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/18/24 08:01	10/18/24 19:52	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/18/24 08:01	10/18/24 19:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	10/18/24 08:01	10/18/24 19:52	1
1,4-Difluorobenzene (Surr)	103		70 - 130	10/18/24 08:01	10/18/24 19:52	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			10/18/24 19:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/18/24 18:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U ** *1	49.7		mg/Kg		10/18/24 08:08	10/18/24 18:15	1
Diesel Range Organics (Over C10-C28)	<49.7	U ** *1	49.7		mg/Kg		10/18/24 08:08	10/18/24 18:15	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/18/24 08:08	10/18/24 18:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	10/18/24 08:08	10/18/24 18:15	1
o-Terphenyl	105		70 - 130	10/18/24 08:08	10/18/24 18:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	614		10.0		mg/Kg			10/20/24 14:40	1

Client Sample ID: CS-30 (4.5')

Lab Sample ID: 880-49948-2

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:01	10/18/24 20:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:01	10/18/24 20:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:01	10/18/24 20:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/18/24 08:01	10/18/24 20:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:01	10/18/24 20:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/18/24 08:01	10/18/24 20:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	10/18/24 08:01	10/18/24 20:13	1
1,4-Difluorobenzene (Surr)	100		70 - 130	10/18/24 08:01	10/18/24 20:13	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-30 (4.5')

Lab Sample ID: 880-49948-2

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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			10/18/24 20:13	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			10/18/24 18:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U ** *1	49.8		mg/Kg		10/18/24 08:08	10/18/24 18:30	1
Diesel Range Organics (Over C10-C28)	<49.8	U ** *1	49.8		mg/Kg		10/18/24 08:08	10/18/24 18:30	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/18/24 08:08	10/18/24 18:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				10/18/24 08:08	10/18/24 18:30	1
o-Terphenyl	100		70 - 130				10/18/24 08:08	10/18/24 18:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	556		9.96		mg/Kg			10/20/24 14:45	1

Client Sample ID: CS-31 (4.5')

Lab Sample ID: 880-49948-3

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:01	10/18/24 20:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:01	10/18/24 20:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:01	10/18/24 20:33	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/18/24 08:01	10/18/24 20:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:01	10/18/24 20:33	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/18/24 08:01	10/18/24 20:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				10/18/24 08:01	10/18/24 20:33	1
1,4-Difluorobenzene (Surr)	106		70 - 130				10/18/24 08:01	10/18/24 20:33	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			10/18/24 20:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/18/24 18:44	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	<49.9	U ** *1	49.9		mg/Kg		10/18/24 08:08	10/18/24 18:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U ** *1	49.9		mg/Kg		10/18/24 08:08	10/18/24 18:44	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-31 (4.5')

Lab Sample ID: 880-49948-3

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:08	10/18/24 18:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				10/18/24 08:08	10/18/24 18:44	1
o-Terphenyl	95		70 - 130				10/18/24 08:08	10/18/24 18:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	501		10.0		mg/Kg			10/20/24 14:50	1

Client Sample ID: CS-32 (4.5')

Lab Sample ID: 880-49948-4

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:01	10/18/24 20:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:01	10/18/24 20:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:01	10/18/24 20:54	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/18/24 08:01	10/18/24 20:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:01	10/18/24 20:54	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/18/24 08:01	10/18/24 20:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				10/18/24 08:01	10/18/24 20:54	1
1,4-Difluorobenzene (Surr)	98		70 - 130				10/18/24 08:01	10/18/24 20:54	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			10/18/24 20:54	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			10/18/24 19:14	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 ** *1	49.8		mg/Kg		10/18/24 08:08	10/18/24 19:14	1
Diesel Range Organics (Over C10-C28)	<49.8	U ** *1	49.8		mg/Kg		10/18/24 08:08	10/18/24 19:14	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/18/24 08:08	10/18/24 19:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				10/18/24 08:08	10/18/24 19:14	1
o-Terphenyl	90		70 - 130				10/18/24 08:08	10/18/24 19:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	510		10.1		mg/Kg			10/20/24 14:56	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-33 (4.5')

Lab Sample ID: 880-49948-5

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:01	10/18/24 21:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:01	10/18/24 21:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:01	10/18/24 21:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/18/24 08:01	10/18/24 21:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:01	10/18/24 21:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/18/24 08:01	10/18/24 21:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	10/18/24 08:01	10/18/24 21:14	1
1,4-Difluorobenzene (Surr)	101		70 - 130	10/18/24 08:01	10/18/24 21:14	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			10/18/24 21:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/18/24 19:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+ *1	49.9		mg/Kg		10/18/24 08:08	10/18/24 19:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+ *1	49.9		mg/Kg		10/18/24 08:08	10/18/24 19:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/18/24 08:08	10/18/24 19:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	10/18/24 08:08	10/18/24 19:30	1
o-Terphenyl	89		70 - 130	10/18/24 08:08	10/18/24 19:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	269		10.0		mg/Kg			10/20/24 15:12	1

Client Sample ID: CS-34 (4.5')

Lab Sample ID: 880-49948-6

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:01	10/18/24 21:35	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/18/24 08:01	10/18/24 21:35	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/18/24 08:01	10/18/24 21:35	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/18/24 08:01	10/18/24 21:35	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/18/24 08:01	10/18/24 21:35	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/18/24 08:01	10/18/24 21:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	10/18/24 08:01	10/18/24 21:35	1
1,4-Difluorobenzene (Surr)	99		70 - 130	10/18/24 08:01	10/18/24 21:35	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-34 (4.5')

Lab Sample ID: 880-49948-6

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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			10/18/24 21:35	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			10/18/24 19:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U ** *1	49.8		mg/Kg		10/18/24 08:08	10/18/24 19:45	1
Diesel Range Organics (Over C10-C28)	<49.8	U ** *1	49.8		mg/Kg		10/18/24 08:08	10/18/24 19:45	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/18/24 08:08	10/18/24 19:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				10/18/24 08:08	10/18/24 19:45	1
o-Terphenyl	108		70 - 130				10/18/24 08:08	10/18/24 19:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	236		9.96		mg/Kg			10/20/24 15:17	1

Client Sample ID: CS-35 (4.5')

Lab Sample ID: 880-49948-7

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:01	10/18/24 21:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:01	10/18/24 21:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:01	10/18/24 21:55	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/18/24 08:01	10/18/24 21:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:01	10/18/24 21:55	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/18/24 08:01	10/18/24 21:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				10/18/24 08:01	10/18/24 21:55	1
1,4-Difluorobenzene (Surr)	97		70 - 130				10/18/24 08:01	10/18/24 21:55	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			10/18/24 21:55	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			10/18/24 19:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U ** *1	50.0		mg/Kg		10/18/24 08:08	10/18/24 19:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U ** *1	50.0		mg/Kg		10/18/24 08:08	10/18/24 19:59	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-35 (4.5')

Lab Sample ID: 880-49948-7

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:08	10/18/24 19:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				10/18/24 08:08	10/18/24 19:59	1
o-Terphenyl	94		70 - 130				10/18/24 08:08	10/18/24 19:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	265		9.92		mg/Kg			10/20/24 15:34	1

Client Sample ID: CS-36 (4.5')

Lab Sample ID: 880-49948-8

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:01	10/18/24 22:15	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/18/24 08:01	10/18/24 22:15	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/18/24 08:01	10/18/24 22:15	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/18/24 08:01	10/18/24 22:15	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/18/24 08:01	10/18/24 22:15	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/18/24 08:01	10/18/24 22:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				10/18/24 08:01	10/18/24 22:15	1
1,4-Difluorobenzene (Surr)	100		70 - 130				10/18/24 08:01	10/18/24 22:15	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			10/18/24 22:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/18/24 20:15	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	<49.7	U *+ *1	49.7		mg/Kg		10/18/24 08:08	10/18/24 20:15	1
Diesel Range Organics (Over C10-C28)	<49.7	U *+ *1	49.7		mg/Kg		10/18/24 08:08	10/18/24 20:15	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/18/24 08:08	10/18/24 20:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				10/18/24 08:08	10/18/24 20:15	1
o-Terphenyl	93		70 - 130				10/18/24 08:08	10/18/24 20:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	218		10.1		mg/Kg			10/20/24 15:39	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-37 (4.5')

Lab Sample ID: 880-49948-9

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:01	10/18/24 22:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:01	10/18/24 22:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:01	10/18/24 22:36	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/18/24 08:01	10/18/24 22:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:01	10/18/24 22:36	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/18/24 08:01	10/18/24 22:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	10/18/24 08:01	10/18/24 22:36	1
1,4-Difluorobenzene (Surr)	98		70 - 130	10/18/24 08:01	10/18/24 22:36	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			10/18/24 22:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/18/24 20:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U ** *1	49.8		mg/Kg		10/18/24 08:08	10/18/24 20:30	1
Diesel Range Organics (Over C10-C28)	<49.8	U ** *1	49.8		mg/Kg		10/18/24 08:08	10/18/24 20:30	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/18/24 08:08	10/18/24 20:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	10/18/24 08:08	10/18/24 20:30	1
o-Terphenyl	98		70 - 130	10/18/24 08:08	10/18/24 20:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	237		9.94		mg/Kg			10/20/24 15:45	1

Client Sample ID: CS-38 (4.5')

Lab Sample ID: 880-49948-10

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:01	10/18/24 22:56	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/18/24 08:01	10/18/24 22:56	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/18/24 08:01	10/18/24 22:56	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/18/24 08:01	10/18/24 22:56	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/18/24 08:01	10/18/24 22:56	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/18/24 08:01	10/18/24 22:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	10/18/24 08:01	10/18/24 22:56	1
1,4-Difluorobenzene (Surr)	97		70 - 130	10/18/24 08:01	10/18/24 22:56	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-38 (4.5')

Lab Sample ID: 880-49948-10

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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			10/18/24 22:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/18/24 20:44	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	<49.9	U ** *1	49.9		mg/Kg		10/18/24 08:08	10/18/24 20:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U ** *1	49.9		mg/Kg		10/18/24 08:08	10/18/24 20:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/18/24 08:08	10/18/24 20:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				10/18/24 08:08	10/18/24 20:44	1
o-Terphenyl	94		70 - 130				10/18/24 08:08	10/18/24 20:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	129		10.0		mg/Kg			10/20/24 15:50	1

Client Sample ID: CS-39 (4.5')

Lab Sample ID: 880-49948-11

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:01	10/19/24 00:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:01	10/19/24 00:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:01	10/19/24 00:30	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/18/24 08:01	10/19/24 00:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:01	10/19/24 00:30	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/18/24 08:01	10/19/24 00:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				10/18/24 08:01	10/19/24 00:30	1
1,4-Difluorobenzene (Surr)	100		70 - 130				10/18/24 08:01	10/19/24 00:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/19/24 00:30	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			10/18/24 20:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U ** *1	50.0		mg/Kg		10/18/24 08:08	10/18/24 20:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U ** *1	50.0		mg/Kg		10/18/24 08:08	10/18/24 20:59	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-39 (4.5')

Lab Sample ID: 880-49948-11

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:08	10/18/24 20:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				10/18/24 08:08	10/18/24 20:59	1
o-Terphenyl	94		70 - 130				10/18/24 08:08	10/18/24 20:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	102		10.0		mg/Kg			10/20/24 15:55	1

Client Sample ID: CS-40 (4.5')

Lab Sample ID: 880-49948-12

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:01	10/19/24 00:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:01	10/19/24 00:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:01	10/19/24 00:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/18/24 08:01	10/19/24 00:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:01	10/19/24 00:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/18/24 08:01	10/19/24 00:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				10/18/24 08:01	10/19/24 00:50	1
1,4-Difluorobenzene (Surr)	99		70 - 130				10/18/24 08:01	10/19/24 00:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/19/24 00:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/18/24 21:13	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	<49.8	U ** *1	49.8		mg/Kg		10/18/24 08:08	10/18/24 21:13	1
Diesel Range Organics (Over C10-C28)	<49.8	U ** *1	49.8		mg/Kg		10/18/24 08:08	10/18/24 21:13	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/18/24 08:08	10/18/24 21:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				10/18/24 08:08	10/18/24 21:13	1
o-Terphenyl	91		70 - 130				10/18/24 08:08	10/18/24 21:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	103		10.1		mg/Kg			10/20/24 16:01	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-41 (4.5')

Lab Sample ID: 880-49948-13

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:01	10/19/24 01:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:01	10/19/24 01:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:01	10/19/24 01:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/18/24 08:01	10/19/24 01:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:01	10/19/24 01:11	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/18/24 08:01	10/19/24 01:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	10/18/24 08:01	10/19/24 01:11	1
1,4-Difluorobenzene (Surr)	101		70 - 130	10/18/24 08:01	10/19/24 01:11	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			10/19/24 01:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/18/24 21:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U ** *1	49.8		mg/Kg		10/18/24 08:08	10/18/24 21:30	1
Diesel Range Organics (Over C10-C28)	<49.8	U ** *1	49.8		mg/Kg		10/18/24 08:08	10/18/24 21:30	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/18/24 08:08	10/18/24 21:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	10/18/24 08:08	10/18/24 21:30	1
o-Terphenyl	93		70 - 130	10/18/24 08:08	10/18/24 21:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	92.0		10.1		mg/Kg			10/20/24 16:06	1

Client Sample ID: CS-42 (4.5')

Lab Sample ID: 880-49948-14

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:01	10/19/24 01:31	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/18/24 08:01	10/19/24 01:31	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/18/24 08:01	10/19/24 01:31	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/18/24 08:01	10/19/24 01:31	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/18/24 08:01	10/19/24 01:31	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/18/24 08:01	10/19/24 01:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	10/18/24 08:01	10/19/24 01:31	1
1,4-Difluorobenzene (Surr)	98		70 - 130	10/18/24 08:01	10/19/24 01:31	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-42 (4.5')

Lab Sample ID: 880-49948-14

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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			10/19/24 01:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/18/24 15:10	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 F1	49.8		mg/Kg		10/18/24 08:11	10/18/24 15:10	1
Diesel Range Organics (Over C10-C28)	<49.8	U F1	49.8		mg/Kg		10/18/24 08:11	10/18/24 15:10	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/18/24 08:11	10/18/24 15:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				10/18/24 08:11	10/18/24 15:10	1
o-Terphenyl	85		70 - 130				10/18/24 08:11	10/18/24 15:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	171		10.0		mg/Kg			10/19/24 19:49	1

Client Sample ID: CS-43 (4.5')

Lab Sample ID: 880-49948-15

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:01	10/19/24 01:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:01	10/19/24 01:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:01	10/19/24 01:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/18/24 08:01	10/19/24 01:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:01	10/19/24 01:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/18/24 08:01	10/19/24 01:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				10/18/24 08:01	10/19/24 01:52	1
1,4-Difluorobenzene (Surr)	98		70 - 130				10/18/24 08:01	10/19/24 01:52	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			10/19/24 01:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/18/24 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		10/18/24 08:11	10/18/24 16:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/18/24 08:11	10/18/24 16:46	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-43 (4.5')

Lab Sample ID: 880-49948-15

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:11	10/18/24 16:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130				10/18/24 08:11	10/18/24 16:46	1
o-Terphenyl	80		70 - 130				10/18/24 08:11	10/18/24 16:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	163		10.1		mg/Kg			10/19/24 20:05	1

Client Sample ID: CS-44 (4.5')

Lab Sample ID: 880-49948-16

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:01	10/19/24 02:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:01	10/19/24 02:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:01	10/19/24 02:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/18/24 08:01	10/19/24 02:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:01	10/19/24 02:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/18/24 08:01	10/19/24 02:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				10/18/24 08:01	10/19/24 02:12	1
1,4-Difluorobenzene (Surr)	101		70 - 130				10/18/24 08:01	10/19/24 02:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/19/24 02:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/18/24 17:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/18/24 08:11	10/18/24 17:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/18/24 08:11	10/18/24 17:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/18/24 08:11	10/18/24 17:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130				10/18/24 08:11	10/18/24 17:00	1
o-Terphenyl	79		70 - 130				10/18/24 08:11	10/18/24 17:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	143		10.0		mg/Kg			10/19/24 20:11	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-45 (4.5')

Lab Sample ID: 880-49948-17

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:01	10/19/24 02:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:01	10/19/24 02:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:01	10/19/24 02:33	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/18/24 08:01	10/19/24 02:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:01	10/19/24 02:33	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/18/24 08:01	10/19/24 02:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	10/18/24 08:01	10/19/24 02:33	1
1,4-Difluorobenzene (Surr)	98		70 - 130	10/18/24 08:01	10/19/24 02:33	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			10/19/24 02:33	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			10/18/24 17:15	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		10/18/24 08:11	10/18/24 17:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/18/24 08:11	10/18/24 17:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/18/24 08:11	10/18/24 17:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130	10/18/24 08:11	10/18/24 17:15	1
o-Terphenyl	83		70 - 130	10/18/24 08:11	10/18/24 17:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	143		10.0		mg/Kg			10/19/24 20:16	1

Client Sample ID: CS-46 (3.5')

Lab Sample ID: 880-49948-18

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:01	10/19/24 02:53	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/18/24 08:01	10/19/24 02:53	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/18/24 08:01	10/19/24 02:53	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/18/24 08:01	10/19/24 02:53	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/18/24 08:01	10/19/24 02:53	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/18/24 08:01	10/19/24 02:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	10/18/24 08:01	10/19/24 02:53	1
1,4-Difluorobenzene (Surr)	97		70 - 130	10/18/24 08:01	10/19/24 02:53	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-46 (3.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-18
Matrix: Solid

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			10/19/24 02:53	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.7	U	49.7		mg/Kg			10/18/24 17:30	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		10/18/24 08:11	10/18/24 17:30	1	
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		10/18/24 08:11	10/18/24 17:30	1	
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/18/24 08:11	10/18/24 17:30	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	76		70 - 130				10/18/24 08:11	10/18/24 17:30	1	
o-Terphenyl	80		70 - 130				10/18/24 08:11	10/18/24 17:30	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	149		10.1		mg/Kg			10/19/24 20:22	1	

Client Sample ID: CS-47 (3.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-19
Matrix: Solid

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		10/18/24 08:01	10/19/24 03:14	1	
Toluene	<0.00202	U	0.00202		mg/Kg		10/18/24 08:01	10/19/24 03:14	1	
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/18/24 08:01	10/19/24 03:14	1	
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/18/24 08:01	10/19/24 03:14	1	
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/18/24 08:01	10/19/24 03:14	1	
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/18/24 08:01	10/19/24 03:14	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	94		70 - 130				10/18/24 08:01	10/19/24 03:14	1	
1,4-Difluorobenzene (Surr)	98		70 - 130				10/18/24 08:01	10/19/24 03:14	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			10/19/24 03:14	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.8	U	49.8		mg/Kg			10/18/24 17:45	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/18/24 08:11	10/18/24 17:45	1	
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/18/24 08:11	10/18/24 17:45	1	

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-47 (3.5')

Lab Sample ID: 880-49948-19

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:11	10/18/24 17:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				10/18/24 08:11	10/18/24 17:45	1
o-Terphenyl	86		70 - 130				10/18/24 08:11	10/18/24 17:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	144		9.94		mg/Kg			10/19/24 20:38	1

Client Sample ID: CS-48 (3.5')

Lab Sample ID: 880-49948-20

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:01	10/19/24 03:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:01	10/19/24 03:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:01	10/19/24 03:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/18/24 08:01	10/19/24 03:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:01	10/19/24 03:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/18/24 08:01	10/19/24 03:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				10/18/24 08:01	10/19/24 03:34	1
1,4-Difluorobenzene (Surr)	95		70 - 130				10/18/24 08:01	10/19/24 03:34	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			10/19/24 03:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/18/24 17:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/18/24 08:11	10/18/24 17:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/18/24 08:11	10/18/24 17:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/18/24 08:11	10/18/24 17:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130				10/18/24 08:11	10/18/24 17:59	1
o-Terphenyl	84		70 - 130				10/18/24 08:11	10/18/24 17:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	154		9.92		mg/Kg			10/19/24 20:43	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-49 (3.5')

Lab Sample ID: 880-49948-21

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:03	10/18/24 12:30	1
Toluene	<0.00201	U F2 F1	0.00201		mg/Kg		10/18/24 08:03	10/18/24 12:30	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/18/24 08:03	10/18/24 12:30	1
m-Xylene & p-Xylene	<0.00402	U F2 F1	0.00402		mg/Kg		10/18/24 08:03	10/18/24 12:30	1
o-Xylene	<0.00201	U F2 F1	0.00201		mg/Kg		10/18/24 08:03	10/18/24 12:30	1
Xylenes, Total	<0.00402	U F2 F1	0.00402		mg/Kg		10/18/24 08:03	10/18/24 12:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	162	S1+	70 - 130	10/18/24 08:03	10/18/24 12:30	1
1,4-Difluorobenzene (Surr)	96		70 - 130	10/18/24 08:03	10/18/24 12:30	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			10/18/24 12:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/18/24 18:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/18/24 08:11	10/18/24 18:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/18/24 08:11	10/18/24 18:15	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/18/24 08:11	10/18/24 18:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130	10/18/24 08:11	10/18/24 18:15	1
o-Terphenyl	81		70 - 130	10/18/24 08:11	10/18/24 18:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	165		10.1		mg/Kg			10/19/24 20:49	1

Client Sample ID: CS-50 (3.5')

Lab Sample ID: 880-49948-22

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:03	10/18/24 12:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:03	10/18/24 12:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:03	10/18/24 12:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/18/24 08:03	10/18/24 12:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:03	10/18/24 12:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/18/24 08:03	10/18/24 12:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	288	S1+	70 - 130	10/18/24 08:03	10/18/24 12:50	1
1,4-Difluorobenzene (Surr)	79		70 - 130	10/18/24 08:03	10/18/24 12:50	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-50 (3.5')

Lab Sample ID: 880-49948-22

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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			10/18/24 12:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/18/24 18:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/18/24 08:11	10/18/24 18:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/18/24 08:11	10/18/24 18:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/18/24 08:11	10/18/24 18:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				10/18/24 08:11	10/18/24 18:30	1
o-Terphenyl	106		70 - 130				10/18/24 08:11	10/18/24 18:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	161		10.1		mg/Kg			10/19/24 20:54	1

Client Sample ID: CS-51 (3.5')

Lab Sample ID: 880-49948-23

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:03	10/18/24 13:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:03	10/18/24 13:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:03	10/18/24 13:11	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/18/24 08:03	10/18/24 13:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:03	10/18/24 13:11	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/18/24 08:03	10/18/24 13:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				10/18/24 08:03	10/18/24 13:11	1
1,4-Difluorobenzene (Surr)	109		70 - 130				10/18/24 08:03	10/18/24 13:11	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			10/18/24 13:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/18/24 18:44	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	<49.9	U	49.9		mg/Kg		10/18/24 08:11	10/18/24 18:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/18/24 08:11	10/18/24 18:44	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-51 (3.5')

Lab Sample ID: 880-49948-23

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:11	10/18/24 18:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130				10/18/24 08:11	10/18/24 18:44	1
o-Terphenyl	79		70 - 130				10/18/24 08:11	10/18/24 18:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	176		10.0		mg/Kg			10/19/24 20:59	1

Client Sample ID: CS-52 (3.5')

Lab Sample ID: 880-49948-24

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:03	10/18/24 13:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:03	10/18/24 13:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:03	10/18/24 13:31	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/18/24 08:03	10/18/24 13:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:03	10/18/24 13:31	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/18/24 08:03	10/18/24 13:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				10/18/24 08:03	10/18/24 13:31	1
1,4-Difluorobenzene (Surr)	101		70 - 130				10/18/24 08:03	10/18/24 13:31	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			10/18/24 13:31	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			10/18/24 19:14	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		10/18/24 08:11	10/18/24 19:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/18/24 08:11	10/18/24 19:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/18/24 08:11	10/18/24 19:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130				10/18/24 08:11	10/18/24 19:14	1
o-Terphenyl	89		70 - 130				10/18/24 08:11	10/18/24 19:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	164		10.0		mg/Kg			10/19/24 21:05	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-53 (3.5')

Lab Sample ID: 880-49948-25

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:03	10/18/24 13:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:03	10/18/24 13:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:03	10/18/24 13:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/18/24 08:03	10/18/24 13:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:03	10/18/24 13:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/18/24 08:03	10/18/24 13:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				10/18/24 08:03	10/18/24 13:52	1
1,4-Difluorobenzene (Surr)	114		70 - 130				10/18/24 08:03	10/18/24 13:52	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			10/18/24 13:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/18/24 19:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/18/24 08:11	10/18/24 19:30	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/18/24 08:11	10/18/24 19:30	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/18/24 08:11	10/18/24 19:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				10/18/24 08:11	10/18/24 19:30	1
o-Terphenyl	85		70 - 130				10/18/24 08:11	10/18/24 19:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	167		10.0		mg/Kg			10/19/24 21:21	1

Client Sample ID: CS-54 (3.5')

Lab Sample ID: 880-49948-26

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:03	10/18/24 14:12	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/18/24 08:03	10/18/24 14:12	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/18/24 08:03	10/18/24 14:12	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/18/24 08:03	10/18/24 14:12	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/18/24 08:03	10/18/24 14:12	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/18/24 08:03	10/18/24 14:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				10/18/24 08:03	10/18/24 14:12	1
1,4-Difluorobenzene (Surr)	110		70 - 130				10/18/24 08:03	10/18/24 14:12	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-54 (3.5')

Lab Sample ID: 880-49948-26

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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			10/18/24 14:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/18/24 19:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/18/24 08:11	10/18/24 19:45	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/18/24 08:11	10/18/24 19:45	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/18/24 08:11	10/18/24 19:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				10/18/24 08:11	10/18/24 19:45	1
o-Terphenyl	89		70 - 130				10/18/24 08:11	10/18/24 19:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	255		9.94		mg/Kg			10/19/24 21:26	1

Client Sample ID: CS-55 (3.5')

Lab Sample ID: 880-49948-27

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:03	10/18/24 14:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:03	10/18/24 14:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:03	10/18/24 14:33	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/18/24 08:03	10/18/24 14:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:03	10/18/24 14:33	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/18/24 08:03	10/18/24 14:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				10/18/24 08:03	10/18/24 14:33	1
1,4-Difluorobenzene (Surr)	108		70 - 130				10/18/24 08:03	10/18/24 14:33	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			10/18/24 14:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/18/24 19:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		10/18/24 08:11	10/18/24 19:59	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		10/18/24 08:11	10/18/24 19:59	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-55 (3.5')

Lab Sample ID: 880-49948-27

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/18/24 08:11	10/18/24 19:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				10/18/24 08:11	10/18/24 19:59	1
o-Terphenyl	86		70 - 130				10/18/24 08:11	10/18/24 19:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	260		9.94		mg/Kg			10/19/24 21:42	1

Client Sample ID: CS-56 (3.5')

Lab Sample ID: 880-49948-28

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:03	10/18/24 14:53	1
Toluene	0.00266		0.00198		mg/Kg		10/18/24 08:03	10/18/24 14:53	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/18/24 08:03	10/18/24 14:53	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/18/24 08:03	10/18/24 14:53	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/18/24 08:03	10/18/24 14:53	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/18/24 08:03	10/18/24 14:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	157	S1+	70 - 130				10/18/24 08:03	10/18/24 14:53	1
1,4-Difluorobenzene (Surr)	125		70 - 130				10/18/24 08:03	10/18/24 14:53	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			10/18/24 14:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/18/24 20:15	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	<49.7	U	49.7		mg/Kg		10/18/24 08:11	10/18/24 20:15	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		10/18/24 08:11	10/18/24 20:15	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/18/24 08:11	10/18/24 20:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				10/18/24 08:11	10/18/24 20:15	1
o-Terphenyl	88		70 - 130				10/18/24 08:11	10/18/24 20:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	266		9.92		mg/Kg			10/19/24 21:48	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-57 (3.5')

Lab Sample ID: 880-49948-29

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:03	10/18/24 15:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:03	10/18/24 15:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:03	10/18/24 15:14	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/18/24 08:03	10/18/24 15:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:03	10/18/24 15:14	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/18/24 08:03	10/18/24 15:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	10/18/24 08:03	10/18/24 15:14	1
1,4-Difluorobenzene (Surr)	106		70 - 130	10/18/24 08:03	10/18/24 15:14	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			10/18/24 15:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	170		49.8		mg/Kg			10/18/24 20:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/18/24 08:11	10/18/24 20:30	1
Diesel Range Organics (Over C10-C28)	170		49.8		mg/Kg		10/18/24 08:11	10/18/24 20:30	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/18/24 08:11	10/18/24 20:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130	10/18/24 08:11	10/18/24 20:30	1
o-Terphenyl	93		70 - 130	10/18/24 08:11	10/18/24 20:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	278		10.1		mg/Kg			10/19/24 21:53	1

Client Sample ID: CS-58 (3.5')

Lab Sample ID: 880-49948-30

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:03	10/18/24 15:34	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/18/24 08:03	10/18/24 15:34	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/18/24 08:03	10/18/24 15:34	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/18/24 08:03	10/18/24 15:34	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/18/24 08:03	10/18/24 15:34	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/18/24 08:03	10/18/24 15:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	10/18/24 08:03	10/18/24 15:34	1
1,4-Difluorobenzene (Surr)	108		70 - 130	10/18/24 08:03	10/18/24 15:34	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-58 (3.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-30
Matrix: Solid

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			10/18/24 15:34	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	350		49.9		mg/Kg			10/18/24 20:44	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	<49.9	U	49.9		mg/Kg		10/18/24 08:11	10/18/24 20:44	1	
Diesel Range Organics (Over C10-C28)	350		49.9		mg/Kg		10/18/24 08:11	10/18/24 20:44	1	
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/18/24 08:11	10/18/24 20:44	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	76		70 - 130				10/18/24 08:11	10/18/24 20:44	1	
o-Terphenyl	100		70 - 130				10/18/24 08:11	10/18/24 20:44	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	353		10.0		mg/Kg			10/19/24 21:59	1	

Client Sample ID: CS-59 (3.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-31
Matrix: Solid

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		10/18/24 08:03	10/18/24 17:24	1	
Toluene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:03	10/18/24 17:24	1	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:03	10/18/24 17:24	1	
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/18/24 08:03	10/18/24 17:24	1	
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:03	10/18/24 17:24	1	
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/18/24 08:03	10/18/24 17:24	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	87		70 - 130				10/18/24 08:03	10/18/24 17:24	1	
1,4-Difluorobenzene (Surr)	103		70 - 130				10/18/24 08:03	10/18/24 17:24	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			10/18/24 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	376		50.0		mg/Kg			10/18/24 20:59	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/18/24 08:11	10/18/24 20:59	1	
Diesel Range Organics (Over C10-C28)	376		50.0		mg/Kg		10/18/24 08:11	10/18/24 20:59	1	

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-59 (3.5')

Lab Sample ID: 880-49948-31

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:11	10/18/24 20:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130				10/18/24 08:11	10/18/24 20:59	1
o-Terphenyl	111		70 - 130				10/18/24 08:11	10/18/24 20:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	345		9.96		mg/Kg			10/19/24 22:04	1

Client Sample ID: CS-60 (3.5')

Lab Sample ID: 880-49948-32

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:03	10/18/24 17:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:03	10/18/24 17:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:03	10/18/24 17:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/18/24 08:03	10/18/24 17:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:03	10/18/24 17:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/18/24 08:03	10/18/24 17:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				10/18/24 08:03	10/18/24 17:45	1
1,4-Difluorobenzene (Surr)	107		70 - 130				10/18/24 08:03	10/18/24 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			10/18/24 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	230		49.8		mg/Kg			10/18/24 21:13	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	<49.8	U	49.8		mg/Kg		10/18/24 08:11	10/18/24 21:13	1
Diesel Range Organics (Over C10-C28)	230		49.8		mg/Kg		10/18/24 08:11	10/18/24 21:13	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/18/24 08:11	10/18/24 21:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				10/18/24 08:11	10/18/24 21:13	1
o-Terphenyl	101		70 - 130				10/18/24 08:11	10/18/24 21:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	336		9.92		mg/Kg			10/19/24 22:09	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-61 (3.5')

Lab Sample ID: 880-49948-33

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:03	10/18/24 18:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:03	10/18/24 18:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:03	10/18/24 18:05	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/18/24 08:03	10/18/24 18:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:03	10/18/24 18:05	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/18/24 08:03	10/18/24 18:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	10/18/24 08:03	10/18/24 18:05	1
1,4-Difluorobenzene (Surr)	117		70 - 130	10/18/24 08:03	10/18/24 18:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/18/24 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	302		49.8		mg/Kg			10/18/24 21:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/18/24 08:11	10/18/24 21:30	1
Diesel Range Organics (Over C10-C28)	302		49.8		mg/Kg		10/18/24 08:11	10/18/24 21:30	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/18/24 08:11	10/18/24 21:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130	10/18/24 08:11	10/18/24 21:30	1
o-Terphenyl	112		70 - 130	10/18/24 08:11	10/18/24 21:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	246		10.0		mg/Kg			10/19/24 22:15	1

Client Sample ID: CS-62 (3.5')

Lab Sample ID: 880-49948-34

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:03	10/18/24 18:26	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/18/24 08:03	10/18/24 18:26	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/18/24 08:03	10/18/24 18:26	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/18/24 08:03	10/18/24 18:26	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/18/24 08:03	10/18/24 18:26	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/18/24 08:03	10/18/24 18:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	10/18/24 08:03	10/18/24 18:26	1
1,4-Difluorobenzene (Surr)	115		70 - 130	10/18/24 08:03	10/18/24 18:26	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-62 (3.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-34
Matrix: Solid

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			10/18/24 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	<49.8	U	49.8		mg/Kg			10/18/24 14:25	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/18/24 08:14	10/18/24 14:25	1	
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/18/24 08:14	10/18/24 14:25	1	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/18/24 08:14	10/18/24 14:25	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	120		70 - 130				10/18/24 08:14	10/18/24 14:25	1	
o-Terphenyl	94		70 - 130				10/18/24 08:14	10/18/24 14:25	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	240		9.90		mg/Kg			10/19/24 22:58	1	

Client Sample ID: CS-63 (3.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-35
Matrix: Solid

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		10/18/24 08:03	10/18/24 18:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:03	10/18/24 18:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:03	10/18/24 18:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/18/24 08:03	10/18/24 18:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:03	10/18/24 18:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/18/24 08:03	10/18/24 18:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				10/18/24 08:03	10/18/24 18:46	1
1,4-Difluorobenzene (Surr)	112		70 - 130				10/18/24 08:03	10/18/24 18:46	1
Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/18/24 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	<49.9	U	49.9		mg/Kg			10/18/24 15:13	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		10/18/24 08:14	10/18/24 15:13	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/18/24 08:14	10/18/24 15:13	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-63 (3.5')

Lab Sample ID: 880-49948-35

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:14	10/18/24 15:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				10/18/24 08:14	10/18/24 15:13	1
o-Terphenyl	92		70 - 130				10/18/24 08:14	10/18/24 15:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	247		9.92		mg/Kg			10/19/24 23:14	1

Client Sample ID: CS-64 (3.5')

Lab Sample ID: 880-49948-36

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:03	10/18/24 19:06	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:03	10/18/24 19:06	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:03	10/18/24 19:06	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/18/24 08:03	10/18/24 19:06	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:03	10/18/24 19:06	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/18/24 08:03	10/18/24 19:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				10/18/24 08:03	10/18/24 19:06	1
1,4-Difluorobenzene (Surr)	109		70 - 130				10/18/24 08:03	10/18/24 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			10/18/24 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	<50.0	U	50.0		mg/Kg			10/18/24 15:28	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		10/18/24 08:14	10/18/24 15:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/18/24 08:14	10/18/24 15:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/18/24 08:14	10/18/24 15:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130				10/18/24 08:14	10/18/24 15:28	1
o-Terphenyl	97		70 - 130				10/18/24 08:14	10/18/24 15:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	248		10.1		mg/Kg			10/19/24 23:20	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-65 (3.5')

Lab Sample ID: 880-49948-37

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:03	10/18/24 19:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:03	10/18/24 19:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:03	10/18/24 19:27	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/18/24 08:03	10/18/24 19:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:03	10/18/24 19:27	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/18/24 08:03	10/18/24 19:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				10/18/24 08:03	10/18/24 19:27	1
1,4-Difluorobenzene (Surr)	110		70 - 130				10/18/24 08:03	10/18/24 19:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/18/24 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			10/18/24 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	<50.0	U	50.0		mg/Kg		10/18/24 08:14	10/18/24 15:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/18/24 08:14	10/18/24 15:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/18/24 08:14	10/18/24 15:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				10/18/24 08:14	10/18/24 15:44	1
o-Terphenyl	94		70 - 130				10/18/24 08:14	10/18/24 15:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	267		9.96		mg/Kg			10/19/24 23:25	1

Client Sample ID: CS-66 (3.5')

Lab Sample ID: 880-49948-38

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:03	10/18/24 19:47	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/18/24 08:03	10/18/24 19:47	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/18/24 08:03	10/18/24 19:47	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/18/24 08:03	10/18/24 19:47	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/18/24 08:03	10/18/24 19:47	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/18/24 08:03	10/18/24 19:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				10/18/24 08:03	10/18/24 19:47	1
1,4-Difluorobenzene (Surr)	117		70 - 130				10/18/24 08:03	10/18/24 19:47	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-66 (3.5')

Lab Sample ID: 880-49948-38

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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			10/18/24 19:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/18/24 16:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		10/18/24 08:14	10/18/24 16:02	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		10/18/24 08:14	10/18/24 16:02	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/18/24 08:14	10/18/24 16:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				10/18/24 08:14	10/18/24 16:02	1
o-Terphenyl	95		70 - 130				10/18/24 08:14	10/18/24 16:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	176		9.94		mg/Kg			10/19/24 23:31	1

Client Sample ID: CS-67 (3.5')

Lab Sample ID: 880-49948-39

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:03	10/18/24 20:08	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/18/24 08:03	10/18/24 20:08	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/18/24 08:03	10/18/24 20:08	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/18/24 08:03	10/18/24 20:08	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/18/24 08:03	10/18/24 20:08	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/18/24 08:03	10/18/24 20:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				10/18/24 08:03	10/18/24 20:08	1
1,4-Difluorobenzene (Surr)	107		70 - 130				10/18/24 08:03	10/18/24 20:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			10/18/24 20:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/18/24 16:18	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		10/18/24 08:14	10/18/24 16:18	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/18/24 08:14	10/18/24 16:18	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-67 (3.5')

Lab Sample ID: 880-49948-39

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:14	10/18/24 16:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				10/18/24 08:14	10/18/24 16:18	1
o-Terphenyl	66	S1-	70 - 130				10/18/24 08:14	10/18/24 16:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	187		9.92		mg/Kg			10/19/24 23:47	1

Client Sample ID: CS-68 (3.5')

Lab Sample ID: 880-49948-40

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:03	10/18/24 20:28	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:03	10/18/24 20:28	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:03	10/18/24 20:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/18/24 08:03	10/18/24 20:28	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:03	10/18/24 20:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/18/24 08:03	10/18/24 20:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130				10/18/24 08:03	10/18/24 20:28	1
1,4-Difluorobenzene (Surr)	112		70 - 130				10/18/24 08:03	10/18/24 20:28	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			10/18/24 20:28	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			10/18/24 16:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/18/24 08:14	10/18/24 16:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/18/24 08:14	10/18/24 16:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/18/24 08:14	10/18/24 16:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				10/18/24 08:14	10/18/24 16:34	1
o-Terphenyl	82		70 - 130				10/18/24 08:14	10/18/24 16:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	219		10.0		mg/Kg			10/19/24 23:52	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-69 (3.5')

Lab Sample ID: 880-49948-41

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:04	10/18/24 12:19	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/18/24 08:04	10/18/24 12:19	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/18/24 08:04	10/18/24 12:19	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/18/24 08:04	10/18/24 12:19	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/18/24 08:04	10/18/24 12:19	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/18/24 08:04	10/18/24 12:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	10/18/24 08:04	10/18/24 12:19	1
1,4-Difluorobenzene (Surr)	99		70 - 130	10/18/24 08:04	10/18/24 12:19	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			10/18/24 12:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/18/24 16:51	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		10/18/24 08:14	10/18/24 16:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/18/24 08:14	10/18/24 16:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/18/24 08:14	10/18/24 16:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130	10/18/24 08:14	10/18/24 16:51	1
o-Terphenyl	94		70 - 130	10/18/24 08:14	10/18/24 16:51	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			10/19/24 23:58	1

Client Sample ID: CS-70 (3.5')

Lab Sample ID: 880-49948-42

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:04	10/18/24 12:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:04	10/18/24 12:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:04	10/18/24 12:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/18/24 08:04	10/18/24 12:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:04	10/18/24 12:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/18/24 08:04	10/18/24 12:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	10/18/24 08:04	10/18/24 12:40	1
1,4-Difluorobenzene (Surr)	99		70 - 130	10/18/24 08:04	10/18/24 12:40	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-70 (3.5')

Lab Sample ID: 880-49948-42

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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			10/18/24 12:40	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			10/18/24 17:07	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		10/18/24 08:14	10/18/24 17:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/18/24 08:14	10/18/24 17:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/18/24 08:14	10/18/24 17:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				10/18/24 08:14	10/18/24 17:07	1
o-Terphenyl	88		70 - 130				10/18/24 08:14	10/18/24 17:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	179		9.96		mg/Kg			10/20/24 00:03	1

Client Sample ID: CS-71 (3.5')

Lab Sample ID: 880-49948-43

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:04	10/18/24 13:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:04	10/18/24 13:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:04	10/18/24 13:00	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/18/24 08:04	10/18/24 13:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:04	10/18/24 13:00	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/18/24 08:04	10/18/24 13:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				10/18/24 08:04	10/18/24 13:00	1
1,4-Difluorobenzene (Surr)	100		70 - 130				10/18/24 08:04	10/18/24 13:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/18/24 13:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/18/24 17:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/18/24 08:14	10/18/24 17:23	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/18/24 08:14	10/18/24 17:23	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-71 (3.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-43
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)	<49.8	U	49.8		mg/Kg		10/18/24 08:14	10/18/24 17:23	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	121		70 - 130				10/18/24 08:14	10/18/24 17:23	1	
o-Terphenyl	92		70 - 130				10/18/24 08:14	10/18/24 17:23	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	140		9.92		mg/Kg			10/20/24 00:09	1	

Client Sample ID: CS-72 (3.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-44
Matrix: Solid

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		10/18/24 08:04	10/18/24 20:39	1	
Toluene	<0.00201	U	0.00201		mg/Kg		10/18/24 08:04	10/18/24 20:39	1	
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/18/24 08:04	10/18/24 20:39	1	
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/18/24 08:04	10/18/24 20:39	1	
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/18/24 08:04	10/18/24 20:39	1	
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/18/24 08:04	10/18/24 20:39	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	105		70 - 130				10/18/24 08:04	10/18/24 20:39	1	
1,4-Difluorobenzene (Surr)	100		70 - 130				10/18/24 08:04	10/18/24 20:39	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			10/18/24 20:39	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.9	U	49.9		mg/Kg			10/18/24 17:54	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/18/24 08:14	10/18/24 17:54	1	
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/18/24 08:14	10/18/24 17:54	1	
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/18/24 08:14	10/18/24 17:54	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	110		70 - 130				10/18/24 08:14	10/18/24 17:54	1	
o-Terphenyl	84		70 - 130				10/18/24 08:14	10/18/24 17:54	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	121		10.1		mg/Kg			10/20/24 00:14	1	

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-73 (3.5')

Lab Sample ID: 880-49948-45

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:04	10/18/24 17:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:04	10/18/24 17:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:04	10/18/24 17:35	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/18/24 08:04	10/18/24 17:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:04	10/18/24 17:35	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/18/24 08:04	10/18/24 17:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	10/18/24 08:04	10/18/24 17:35	1
1,4-Difluorobenzene (Surr)	102		70 - 130	10/18/24 08:04	10/18/24 17:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/18/24 17:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/18/24 18:12	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	<49.7	U	49.7		mg/Kg		10/18/24 08:14	10/18/24 18:12	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		10/18/24 08:14	10/18/24 18:12	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/18/24 08:14	10/18/24 18:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	10/18/24 08:14	10/18/24 18:12	1
o-Terphenyl	79		70 - 130	10/18/24 08:14	10/18/24 18:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	164		10.1		mg/Kg			10/20/24 00:30	1

Client Sample ID: SW-21 (4.5')

Lab Sample ID: 880-49948-46

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:04	10/18/24 17:55	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:04	10/18/24 17:55	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:04	10/18/24 17:55	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/18/24 08:04	10/18/24 17:55	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:04	10/18/24 17:55	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/18/24 08:04	10/18/24 17:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	10/18/24 08:04	10/18/24 17:55	1
1,4-Difluorobenzene (Surr)	100		70 - 130	10/18/24 08:04	10/18/24 17:55	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-21 (4.5')

Lab Sample ID: 880-49948-46

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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			10/18/24 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	<49.8	U	49.8		mg/Kg			10/18/24 18:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/18/24 08:14	10/18/24 18:28	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/18/24 08:14	10/18/24 18:28	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/18/24 08:14	10/18/24 18:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				10/18/24 08:14	10/18/24 18:28	1
o-Terphenyl	88		70 - 130				10/18/24 08:14	10/18/24 18:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	164		9.96		mg/Kg			10/20/24 00:36	1

Client Sample ID: SW-22 (4.5')

Lab Sample ID: 880-49948-47

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:04	10/18/24 18:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:04	10/18/24 18:16	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:04	10/18/24 18:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/18/24 08:04	10/18/24 18:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:04	10/18/24 18:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/18/24 08:04	10/18/24 18:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				10/18/24 08:04	10/18/24 18:16	1
1,4-Difluorobenzene (Surr)	100		70 - 130				10/18/24 08:04	10/18/24 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			10/18/24 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	<49.6	U	49.6		mg/Kg			10/18/24 18:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		10/18/24 08:14	10/18/24 18:43	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		10/18/24 08:14	10/18/24 18:43	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-22 (4.5')

Lab Sample ID: 880-49948-47

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		10/18/24 08:14	10/18/24 18:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				10/18/24 08:14	10/18/24 18:43	1
o-Terphenyl	92		70 - 130				10/18/24 08:14	10/18/24 18:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	142		9.94		mg/Kg			10/20/24 00:52	1

Client Sample ID: SW-23 (4.5')

Lab Sample ID: 880-49948-48

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:04	10/18/24 18:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:04	10/18/24 18:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:04	10/18/24 18:36	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/18/24 08:04	10/18/24 18:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:04	10/18/24 18:36	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/18/24 08:04	10/18/24 18:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				10/18/24 08:04	10/18/24 18:36	1
1,4-Difluorobenzene (Surr)	100		70 - 130				10/18/24 08:04	10/18/24 18:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/18/24 18:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/18/24 19:00	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	<49.7	U	49.7		mg/Kg		10/18/24 08:14	10/18/24 19:00	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		10/18/24 08:14	10/18/24 19:00	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/18/24 08:14	10/18/24 19:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				10/18/24 08:14	10/18/24 19:00	1
o-Terphenyl	81		70 - 130				10/18/24 08:14	10/18/24 19:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	204		10.0		mg/Kg			10/20/24 00:57	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-24 (4.5')

Lab Sample ID: 880-49948-49

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:04	10/18/24 18:56	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/18/24 08:04	10/18/24 18:56	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/18/24 08:04	10/18/24 18:56	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/18/24 08:04	10/18/24 18:56	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/18/24 08:04	10/18/24 18:56	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/18/24 08:04	10/18/24 18:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	10/18/24 08:04	10/18/24 18:56	1
1,4-Difluorobenzene (Surr)	99		70 - 130	10/18/24 08:04	10/18/24 18:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/18/24 18:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/18/24 19:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/18/24 08:14	10/18/24 19:16	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/18/24 08:14	10/18/24 19:16	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/18/24 08:14	10/18/24 19:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	10/18/24 08:14	10/18/24 19:16	1
o-Terphenyl	84		70 - 130	10/18/24 08:14	10/18/24 19:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	200		10.0		mg/Kg			10/20/24 01:03	1

Client Sample ID: SW-25 (3.5')

Lab Sample ID: 880-49948-50

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:04	10/18/24 19:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:04	10/18/24 19:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:04	10/18/24 19:17	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/18/24 08:04	10/18/24 19:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:04	10/18/24 19:17	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/18/24 08:04	10/18/24 19:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	10/18/24 08:04	10/18/24 19:17	1
1,4-Difluorobenzene (Surr)	101		70 - 130	10/18/24 08:04	10/18/24 19:17	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-25 (3.5')

Lab Sample ID: 880-49948-50

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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			10/18/24 19:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/18/24 19:32	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		10/18/24 08:14	10/18/24 19:32	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/18/24 08:14	10/18/24 19:32	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/18/24 08:14	10/18/24 19:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				10/18/24 08:14	10/18/24 19:32	1
o-Terphenyl	94		70 - 130				10/18/24 08:14	10/18/24 19:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	206		9.98		mg/Kg			10/20/24 01:08	1

Client Sample ID: SW-26 (3.5')

Lab Sample ID: 880-49948-51

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:04	10/18/24 19:37	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:04	10/18/24 19:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:04	10/18/24 19:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/18/24 08:04	10/18/24 19:37	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:04	10/18/24 19:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/18/24 08:04	10/18/24 19:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				10/18/24 08:04	10/18/24 19:37	1
1,4-Difluorobenzene (Surr)	99		70 - 130				10/18/24 08:04	10/18/24 19:37	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			10/18/24 19:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/18/24 19:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/18/24 08:14	10/18/24 19:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/18/24 08:14	10/18/24 19:48	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-26 (3.5')

Lab Sample ID: 880-49948-51

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:14	10/18/24 19:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130				10/18/24 08:14	10/18/24 19:48	1
o-Terphenyl	98		70 - 130				10/18/24 08:14	10/18/24 19:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	204		9.96		mg/Kg			10/20/24 01:13	1

Client Sample ID: SW-27 (3.5')

Lab Sample ID: 880-49948-52

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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		10/18/24 08:04	10/18/24 19:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:04	10/18/24 19:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:04	10/18/24 19:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/18/24 08:04	10/18/24 19:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:04	10/18/24 19:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/18/24 08:04	10/18/24 19:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				10/18/24 08:04	10/18/24 19:58	1
1,4-Difluorobenzene (Surr)	100		70 - 130				10/18/24 08:04	10/18/24 19:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/18/24 19:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/18/24 20:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/18/24 08:14	10/18/24 20:04	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/18/24 08:14	10/18/24 20:04	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/18/24 08:14	10/18/24 20:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130				10/18/24 08:14	10/18/24 20:04	1
o-Terphenyl	94		70 - 130				10/18/24 08:14	10/18/24 20:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	202		10.0		mg/Kg			10/20/24 01:19	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-28 (3.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-53
Matrix: Solid

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		10/18/24 08:04	10/18/24 20:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:04	10/18/24 20:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:04	10/18/24 20:18	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/18/24 08:04	10/18/24 20:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:04	10/18/24 20:18	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/18/24 08:04	10/18/24 20:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				10/18/24 08:04	10/18/24 20:18	1
1,4-Difluorobenzene (Surr)	100		70 - 130				10/18/24 08:04	10/18/24 20:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/18/24 20:18	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/18/24 20:20	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	49.9		mg/Kg		10/18/24 08:14	10/18/24 20:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/18/24 08:14	10/18/24 20:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/18/24 08:14	10/18/24 20:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130				10/18/24 08:14	10/18/24 20:20	1
o-Terphenyl	95		70 - 130				10/18/24 08:14	10/18/24 20:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	201		10.0		mg/Kg			10/20/24 01:24	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
880-49948-1	CS-29 (4.5')	107	103
880-49948-1 MS	CS-29 (4.5')	97	95
880-49948-1 MSD	CS-29 (4.5')	98	93
880-49948-2	CS-30 (4.5')	95	100
880-49948-3	CS-31 (4.5')	102	106
880-49948-4	CS-32 (4.5')	96	98
880-49948-5	CS-33 (4.5')	101	101
880-49948-6	CS-34 (4.5')	99	99
880-49948-7	CS-35 (4.5')	97	97
880-49948-8	CS-36 (4.5')	99	100
880-49948-9	CS-37 (4.5')	98	98
880-49948-10	CS-38 (4.5')	96	97
880-49948-11	CS-39 (4.5')	103	100
880-49948-12	CS-40 (4.5')	98	99
880-49948-13	CS-41 (4.5')	101	101
880-49948-14	CS-42 (4.5')	97	98
880-49948-15	CS-43 (4.5')	97	98
880-49948-16	CS-44 (4.5')	100	101
880-49948-17	CS-45 (4.5')	98	98
880-49948-18	CS-46 (3.5')	96	97
880-49948-19	CS-47 (3.5')	94	98
880-49948-20	CS-48 (3.5')	92	95
880-49948-21	CS-49 (3.5')	162 S1+	96
880-49948-21 MS	CS-49 (3.5')	209 S1+	110
880-49948-21 MSD	CS-49 (3.5')	108	94
880-49948-22	CS-50 (3.5')	288 S1+	79
880-49948-23	CS-51 (3.5')	114	109
880-49948-24	CS-52 (3.5')	103	101
880-49948-25	CS-53 (3.5')	107	114
880-49948-26	CS-54 (3.5')	107	110
880-49948-27	CS-55 (3.5')	110	108
880-49948-28	CS-56 (3.5')	157 S1+	125
880-49948-29	CS-57 (3.5')	103	106
880-49948-30	CS-58 (3.5')	109	108
880-49948-31	CS-59 (3.5')	87	103
880-49948-32	CS-60 (3.5')	105	107
880-49948-33	CS-61 (3.5')	116	117
880-49948-34	CS-62 (3.5')	110	115
880-49948-35	CS-63 (3.5')	111	112
880-49948-36	CS-64 (3.5')	110	109
880-49948-37	CS-65 (3.5')	122	110
880-49948-38	CS-66 (3.5')	121	117
880-49948-39	CS-67 (3.5')	110	107
880-49948-40	CS-68 (3.5')	129	112
880-49948-41	CS-69 (3.5')	102	99
880-49948-41 MS	CS-69 (3.5')	112	102
880-49948-41 MSD	CS-69 (3.5')	108	102
880-49948-42	CS-70 (3.5')	100	99
880-49948-43	CS-71 (3.5')	102	100

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-49948-1

Project/Site: Riverbend 12-13 Federal Com 33H

SDG: Eddy County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-49948-44	CS-72 (3.5')	105	100
880-49948-45	CS-73 (3.5')	102	102
880-49948-46	SW-21 (4.5')	101	100
880-49948-47	SW-22 (4.5')	106	100
880-49948-48	SW-23 (4.5')	100	100
880-49948-49	SW-24 (4.5')	102	99
880-49948-50	SW-25 (3.5')	103	101
880-49948-51	SW-26 (3.5')	107	99
880-49948-52	SW-27 (3.5')	104	100
880-49948-53	SW-28 (3.5')	106	100
LCS 880-93608/1-A	Lab Control Sample	100	106
LCS 880-93610/1-A	Lab Control Sample	99	93
LCSD 880-93608/2-A	Lab Control Sample Dup	94	108
LCSD 880-93610/2-A	Lab Control Sample Dup	96	97
MB 880-93608/5-A	Method Blank	95	95
MB 880-93610/5-A	Method Blank	153 S1+	107
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB2 (70-130)	DFBZ2 (70-130)
LCS 880-93611/1-A	Lab Control Sample	105	103
LCSD 880-93611/2-A	Lab Control Sample Dup	107	102
MB 880-93611/5-A	Method Blank	99	96
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-49932-A-1-F MS	Matrix Spike	121	111
880-49932-A-1-G MSD	Matrix Spike Duplicate	122	111
880-49948-1	CS-29 (4.5')	111	105
880-49948-2	CS-30 (4.5')	105	100
880-49948-3	CS-31 (4.5')	96	95
880-49948-4	CS-32 (4.5')	96	90
880-49948-5	CS-33 (4.5')	95	89
880-49948-6	CS-34 (4.5')	111	108
880-49948-7	CS-35 (4.5')	100	94
880-49948-8	CS-36 (4.5')	98	93
880-49948-9	CS-37 (4.5')	103	98

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-49948-1

Project/Site: Riverbend 12-13 Federal Com 33H

SDG: Eddy County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-49948-10	CS-38 (4.5')	100	94
880-49948-11	CS-39 (4.5')	102	94
880-49948-12	CS-40 (4.5')	96	91
880-49948-13	CS-41 (4.5')	101	93
880-49948-14	CS-42 (4.5')	82	85
880-49948-14 MS	CS-42 (4.5')	83	77
880-49948-14 MSD	CS-42 (4.5')	81	74
880-49948-15	CS-43 (4.5')	77	80
880-49948-16	CS-44 (4.5')	73	79
880-49948-17	CS-45 (4.5')	77	83
880-49948-18	CS-46 (3.5')	76	80
880-49948-19	CS-47 (3.5')	82	86
880-49948-20	CS-48 (3.5')	80	84
880-49948-21	CS-49 (3.5')	76	81
880-49948-22	CS-50 (3.5')	103	106
880-49948-23	CS-51 (3.5')	74	79
880-49948-24	CS-52 (3.5')	84	89
880-49948-25	CS-53 (3.5')	81	85
880-49948-26	CS-54 (3.5')	85	89
880-49948-27	CS-55 (3.5')	83	86
880-49948-28	CS-56 (3.5')	83	88
880-49948-29	CS-57 (3.5')	76	93
880-49948-30	CS-58 (3.5')	76	100
880-49948-31	CS-59 (3.5')	77	111
880-49948-32	CS-60 (3.5')	83	101
880-49948-33	CS-61 (3.5')	84	112
880-49948-34	CS-62 (3.5')	120	94
880-49948-34 MS	CS-62 (3.5')	104	91
880-49948-34 MSD	CS-62 (3.5')	107	92
880-49948-35	CS-63 (3.5')	119	92
880-49948-36	CS-64 (3.5')	124	97
880-49948-37	CS-65 (3.5')	119	94
880-49948-38	CS-66 (3.5')	120	95
880-49948-39	CS-67 (3.5')	85	66 S1-
880-49948-40	CS-68 (3.5')	106	82
880-49948-41	CS-69 (3.5')	121	94
880-49948-42	CS-70 (3.5')	114	88
880-49948-43	CS-71 (3.5')	121	92
880-49948-44	CS-72 (3.5')	110	84
880-49948-45	CS-73 (3.5')	101	79
880-49948-46	SW-21 (4.5')	116	88
880-49948-47	SW-22 (4.5')	121	92
880-49948-48	SW-23 (4.5')	105	81
880-49948-49	SW-24 (4.5')	110	84
880-49948-50	SW-25 (3.5')	121	94
880-49948-51	SW-26 (3.5')	128	98
880-49948-52	SW-27 (3.5')	123	94
880-49948-53	SW-28 (3.5')	125	95
LCS 880-93613/2-A	Lab Control Sample	177 S1+	158 S1+
LCS 880-93615/2-A	Lab Control Sample	146 S1+	139 S1+

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-49948-1

Project/Site: Riverbend 12-13 Federal Com 33H

SDG: Eddy County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
LCS 880-93617/2-A	Lab Control Sample	98	134 S1+
LCSD 880-93613/3-A	Lab Control Sample Dup	243 S1+	218 S1+
LCSD 880-93615/3-A	Lab Control Sample Dup	148 S1+	141 S1+
LCSD 880-93617/3-A	Lab Control Sample Dup	88	120
MB 880-93613/1-A	Method Blank	83	80
MB 880-93615/1-A	Method Blank	68 S1-	74
MB 880-93617/1-A	Method Blank	116	94
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-93608/5-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 93685							Prep Batch: 93608		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:01	10/18/24 19:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:01	10/18/24 19:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:01	10/18/24 19:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/18/24 08:01	10/18/24 19:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:01	10/18/24 19:31	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/18/24 08:01	10/18/24 19:31	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				10/18/24 08:01	10/18/24 19:31	1
1,4-Difluorobenzene (Surr)	95		70 - 130				10/18/24 08:01	10/18/24 19:31	1

Lab Sample ID: LCS 880-93608/1-A							Client Sample ID: Lab Control Sample		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 93685							Prep Batch: 93608		
Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Benzene		0.100	0.1243		mg/Kg		124	70 - 130	
Toluene		0.100	0.09596		mg/Kg		96	70 - 130	
Ethylbenzene		0.100	0.09670		mg/Kg		97	70 - 130	
m-Xylene & p-Xylene		0.200	0.2058		mg/Kg		103	70 - 130	
o-Xylene		0.100	0.1007		mg/Kg		101	70 - 130	
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	100		70 - 130						
1,4-Difluorobenzene (Surr)	106		70 - 130						

Lab Sample ID: LCSD 880-93608/2-A							Client Sample ID: Lab Control Sample Dup			
Matrix: Solid							Prep Type: Total/NA			
Analysis Batch: 93685							Prep Batch: 93608			
Analyte		Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene		0.100	0.1221		mg/Kg		122	70 - 130	2	35
Toluene		0.100	0.09289		mg/Kg		93	70 - 130	3	35
Ethylbenzene		0.100	0.09349		mg/Kg		93	70 - 130	3	35
m-Xylene & p-Xylene		0.200	0.2019		mg/Kg		101	70 - 130	2	35
o-Xylene		0.100	0.09855		mg/Kg		99	70 - 130	2	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits							
4-Bromofluorobenzene (Surr)	94		70 - 130							
1,4-Difluorobenzene (Surr)	108		70 - 130							

Lab Sample ID: 880-49948-1 MS							Client Sample ID: CS-29 (4.5')		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 93685							Prep Batch: 93608		
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.09344		mg/Kg		93	70 - 130
Toluene	<0.00201	U	0.100	0.08387		mg/Kg		84	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-49948-1 MS

Matrix: Solid

Analysis Batch: 93685

Client Sample ID: CS-29 (4.5')

Prep Type: Total/NA

Prep Batch: 93608

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.100	0.08551		mg/Kg		86	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1816		mg/Kg		91	70 - 130
o-Xylene	<0.00201	U	0.100	0.08888		mg/Kg		89	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 880-49948-1 MSD

Matrix: Solid

Analysis Batch: 93685

Client Sample ID: CS-29 (4.5')

Prep Type: Total/NA

Prep Batch: 93608

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.09408		mg/Kg		94	70 - 130	1	35
Toluene	<0.00201	U	0.100	0.08307		mg/Kg		83	70 - 130	1	35
Ethylbenzene	<0.00201	U	0.100	0.08447		mg/Kg		84	70 - 130	1	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1802		mg/Kg		90	70 - 130	1	35
o-Xylene	<0.00201	U	0.100	0.08823		mg/Kg		88	70 - 130	1	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: MB 880-93610/5-A

Matrix: Solid

Analysis Batch: 93630

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 93610

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:03	10/18/24 12:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:03	10/18/24 12:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:03	10/18/24 12:01	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/18/24 08:03	10/18/24 12:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:03	10/18/24 12:01	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/18/24 08:03	10/18/24 12:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	153	S1+	70 - 130	10/18/24 08:03	10/18/24 12:01	1
1,4-Difluorobenzene (Surr)	107		70 - 130	10/18/24 08:03	10/18/24 12:01	1

Lab Sample ID: LCS 880-93610/1-A

Matrix: Solid

Analysis Batch: 93630

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 93610

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09130		mg/Kg		91	70 - 130
Toluene	0.100	0.09857		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.1063		mg/Kg		106	70 - 130
m-Xylene & p-Xylene	0.200	0.2183		mg/Kg		109	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-93610/1-A

Matrix: Solid

Analysis Batch: 93630

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 93610

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.1078		mg/Kg		108	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: LCSD 880-93610/2-A

Matrix: Solid

Analysis Batch: 93630

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 93610

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08634		mg/Kg		86	70 - 130	6	35
Toluene	0.100	0.08635		mg/Kg		86	70 - 130	13	35
Ethylbenzene	0.100	0.08719		mg/Kg		87	70 - 130	20	35
m-Xylene & p-Xylene	0.200	0.1863		mg/Kg		93	70 - 130	16	35
o-Xylene	0.100	0.09816		mg/Kg		98	70 - 130	9	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 880-49948-21 MS

Matrix: Solid

Analysis Batch: 93630

Client Sample ID: CS-49 (3.5')

Prep Type: Total/NA

Prep Batch: 93610

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.08632		mg/Kg		86	70 - 130
Toluene	<0.00201	U F2 F1	0.100	0.01614	F1	mg/Kg		16	70 - 130
Ethylbenzene	<0.00201	U	0.100	0.07899		mg/Kg		79	70 - 130
m-Xylene & p-Xylene	<0.00402	U F2 F1	0.200	0.3175	F1	mg/Kg		159	70 - 130
o-Xylene	<0.00201	U F2 F1	0.100	0.1771	F1	mg/Kg		177	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	209	S1+	70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: 880-49948-21 MSD

Matrix: Solid

Analysis Batch: 93630

Client Sample ID: CS-49 (3.5')

Prep Type: Total/NA

Prep Batch: 93610

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.09267		mg/Kg		93	70 - 130	7	35
Toluene	<0.00201	U F2 F1	0.100	0.1021	F2	mg/Kg		102	70 - 130	145	35
Ethylbenzene	<0.00201	U	0.100	0.09868		mg/Kg		99	70 - 130	22	35
m-Xylene & p-Xylene	<0.00402	U F2 F1	0.200	0.1915	F2	mg/Kg		96	70 - 130	49	35
o-Xylene	<0.00201	U F2 F1	0.100	0.1068	F2	mg/Kg		107	70 - 130	50	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-49948-21 MSD
Matrix: Solid
Analysis Batch: 93630

Client Sample ID: CS-49 (3.5')
Prep Type: Total/NA
Prep Batch: 93610

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: MB 880-93611/5-A
Matrix: Solid
Analysis Batch: 93627

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 93611

Analyte	MB	MB							
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:04	10/18/24 11:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:04	10/18/24 11:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:04	10/18/24 11:58	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/18/24 08:04	10/18/24 11:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:04	10/18/24 11:58	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/18/24 08:04	10/18/24 11:58	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				10/18/24 08:04	10/18/24 11:58	1
1,4-Difluorobenzene (Surr)	96		70 - 130				10/18/24 08:04	10/18/24 11:58	1

Lab Sample ID: LCS 880-93611/1-A
Matrix: Solid
Analysis Batch: 93627

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 93611

Analyte	Spike	LCS	LCS					%Rec	
	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	0.100	0.09340		mg/Kg		93	70 - 130		
Toluene	0.100	0.09071		mg/Kg		91	70 - 130		
Ethylbenzene	0.100	0.09926		mg/Kg		99	70 - 130		
m-Xylene & p-Xylene	0.200	0.1850		mg/Kg		93	70 - 130		
o-Xylene	0.100	0.1017		mg/Kg		102	70 - 130		

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-93611/2-A
Matrix: Solid
Analysis Batch: 93627

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 93611

Analyte	Spike	LCSD	LCSD					%Rec		RPD
	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.09233		mg/Kg		92	70 - 130	1	35	
Toluene	0.100	0.08977		mg/Kg		90	70 - 130	1	35	
Ethylbenzene	0.100	0.09750		mg/Kg		97	70 - 130	2	35	
m-Xylene & p-Xylene	0.200	0.1800		mg/Kg		90	70 - 130	3	35	
o-Xylene	0.100	0.09942		mg/Kg		99	70 - 130	2	35	

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-93611/2-A
Matrix: Solid
Analysis Batch: 93627

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 93611

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

Lab Sample ID: 880-49948-41 MS
Matrix: Solid
Analysis Batch: 93627

Client Sample ID: CS-69 (3.5')
Prep Type: Total/NA
Prep Batch: 93611

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.09194		mg/Kg		92	70 - 130
Toluene	<0.00201	U	0.100	0.08966		mg/Kg		90	70 - 130
Ethylbenzene	<0.00201	U	0.100	0.09616		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1793		mg/Kg		90	70 - 130
o-Xylene	<0.00201	U	0.100	0.09763		mg/Kg		98	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-49948-41 MSD
Matrix: Solid
Analysis Batch: 93627

Client Sample ID: CS-69 (3.5')
Prep Type: Total/NA
Prep Batch: 93611

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.09084		mg/Kg		91	70 - 130	1	35
Toluene	<0.00201	U	0.100	0.08896		mg/Kg		89	70 - 130	1	35
Ethylbenzene	<0.00201	U	0.100	0.09526		mg/Kg		95	70 - 130	1	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1740		mg/Kg		87	70 - 130	3	35
o-Xylene	<0.00201	U	0.100	0.09572		mg/Kg		96	70 - 130	2	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

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

Lab Sample ID: MB 880-93613/1-A
Matrix: Solid
Analysis Batch: 93663

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 93613

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		10/18/24 08:08	10/18/24 13:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/18/24 08:08	10/18/24 13:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/18/24 08:08	10/18/24 13:20	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	83		70 - 130	10/18/24 08:08	10/18/24 13:20	1			
o-Terphenyl	80		70 - 130	10/18/24 08:08	10/18/24 13:20	1			

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QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-93613/2-A
Matrix: Solid
Analysis Batch: 93663

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 93613

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1456	*+	mg/Kg		146	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1372	*+	mg/Kg		137	70 - 130
Surrogate		LCS %Recovery	LCS Qualifier	Limits			
1-Chlorooctane		177	S1+	70 - 130			
o-Terphenyl		158	S1+	70 - 130			

Lab Sample ID: LCSD 880-93613/3-A
Matrix: Solid
Analysis Batch: 93663

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 93613

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1982	*+ *1	mg/Kg		198	70 - 130	31	20
Diesel Range Organics (Over C10-C28)	1000	1903	*+ *1	mg/Kg		190	70 - 130	32	20
Surrogate		LCSD %Recovery	LCSD Qualifier	Limits					
1-Chlorooctane		243	S1+	70 - 130					
o-Terphenyl		218	S1+	70 - 130					

Lab Sample ID: 880-49932-A-1-F MS
Matrix: Solid
Analysis Batch: 93663

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 93613

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 *+ *1	997	1035		mg/Kg		104	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U *+ *1	997	999.2		mg/Kg		100	70 - 130
Surrogate		MS %Recovery	MS Qualifier	Limits					
1-Chlorooctane		121		70 - 130					
o-Terphenyl		111		70 - 130					

Lab Sample ID: 880-49932-A-1-G MSD
Matrix: Solid
Analysis Batch: 93663

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 93613

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 *+ *1	997	1041		mg/Kg		104	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U *+ *1	997	983.7		mg/Kg		99	70 - 130	2	20
Surrogate		MSD %Recovery	MSD Qualifier	Limits							
1-Chlorooctane		122		70 - 130							

QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-49932-A-1-G MSD
Matrix: Solid
Analysis Batch: 93663

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 93613

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	111		70 - 130

Lab Sample ID: MB 880-93615/1-A
Matrix: Solid
Analysis Batch: 93665

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 93615

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		10/18/24 08:11	10/18/24 13:20	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/18/24 08:11	10/18/24 13:20	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/18/24 08:11	10/18/24 13:20	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
1-Chlorooctane	68	S1-	70 - 130				10/18/24 08:11	10/18/24 13:20	1	
<i>o</i> -Terphenyl	74		70 - 130				10/18/24 08:11	10/18/24 13:20	1	

Lab Sample ID: LCS 880-93615/2-A
Matrix: Solid
Analysis Batch: 93665

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 93615

Analyte	Spike	LCS	LCS					%Rec		
	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Gasoline Range Organics (GRO)-C6-C10	1000	1142		mg/Kg		114	70 - 130			
Diesel Range Organics (Over C10-C28)	1000	1249		mg/Kg		125	70 - 130			
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	146	S1+	70 - 130							
<i>o</i> -Terphenyl	139	S1+	70 - 130							

Lab Sample ID: LCSD 880-93615/3-A
Matrix: Solid
Analysis Batch: 93665

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 93615

Analyte	Spike	LCSD	LCSD					%Rec		RPD	
	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit		
Gasoline Range Organics (GRO)-C6-C10	1000	1117		mg/Kg		112	70 - 130	2	20		
Diesel Range Organics (Over C10-C28)	1000	1237		mg/Kg		124	70 - 130	1	20		
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	148	S1+	70 - 130								
<i>o</i> -Terphenyl	141	S1+	70 - 130								

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QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-49948-14 MS
Matrix: Solid
Analysis Batch: 93665

Client Sample ID: CS-42 (4.5')
Prep Type: Total/NA
Prep Batch: 93615

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U F1	997	605.1	F1	mg/Kg		61	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U F1	997	662.7	F1	mg/Kg		66	70 - 130
Surrogate	%Recovery	MS Qualifier	Limits						
1-Chlorooctane	83		70 - 130						
o-Terphenyl	77		70 - 130						

Lab Sample ID: 880-49948-14 MSD
Matrix: Solid
Analysis Batch: 93665

Client Sample ID: CS-42 (4.5')
Prep Type: Total/NA
Prep Batch: 93615

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	<49.8	U F1	997	640.4	F1	mg/Kg		64	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<49.8	U F1	997	623.9	F1	mg/Kg		63	70 - 130	6	20
Surrogate	%Recovery	MSD Qualifier	Limits								
1-Chlorooctane	81		70 - 130								
o-Terphenyl	74		70 - 130								

Lab Sample ID: MB 880-93617/1-A
Matrix: Solid
Analysis Batch: 93667

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 93617

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		10/17/24 17:30	10/18/24 00:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/17/24 17:30	10/18/24 00:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/17/24 17:30	10/18/24 00:20	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				10/17/24 17:30	10/18/24 00:20	1
o-Terphenyl	94		70 - 130				10/17/24 17:30	10/18/24 00:20	1

Lab Sample ID: LCS 880-93617/2-A
Matrix: Solid
Analysis Batch: 93667

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 93617

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	924.1		mg/Kg		92	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1069		mg/Kg		107	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-93617/2-A
Matrix: Solid
Analysis Batch: 93667

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 93617

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	134	S1+	70 - 130

Lab Sample ID: LCSD 880-93617/3-A
Matrix: Solid
Analysis Batch: 93667

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 93617

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	842.8		mg/Kg		84	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	1000	973.9		mg/Kg		97	70 - 130	9	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	88		70 - 130
o-Terphenyl	120		70 - 130

Lab Sample ID: 880-49948-34 MS
Matrix: Solid
Analysis Batch: 93667

Client Sample ID: CS-62 (3.5')
Prep Type: Total/NA
Prep Batch: 93617

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	996	851.6		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U	996	745.7		mg/Kg		75	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	104		70 - 130
o-Terphenyl	91		70 - 130

Lab Sample ID: 880-49948-34 MSD
Matrix: Solid
Analysis Batch: 93667

Client Sample ID: CS-62 (3.5')
Prep Type: Total/NA
Prep Batch: 93617

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	<49.8	U	996	877.9		mg/Kg		88	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.8	U	996	757.3		mg/Kg		76	70 - 130	2	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	92		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-93614/1-A Matrix: Solid Analysis Batch: 93708										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			10/19/24 19:33	1		

Lab Sample ID: LCS 880-93614/2-A Matrix: Solid Analysis Batch: 93708										Client Sample ID: Lab Control Sample Prep Type: Soluble	
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	239.4		mg/Kg		96	90 - 110		

Lab Sample ID: LCSD 880-93614/3-A Matrix: Solid Analysis Batch: 93708										Client Sample ID: Lab Control Sample Dup Prep Type: Soluble	
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	239.9		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 880-49948-14 MS Matrix: Solid Analysis Batch: 93708										Client Sample ID: CS-42 (4.5') Prep Type: Soluble	
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	171		251	399.1		mg/Kg		91	90 - 110		

Lab Sample ID: 880-49948-14 MSD Matrix: Solid Analysis Batch: 93708										Client Sample ID: CS-42 (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	171		251	397.2		mg/Kg		90	90 - 110	0	20

Lab Sample ID: 880-49948-24 MS Matrix: Solid Analysis Batch: 93708										Client Sample ID: CS-52 (3.5') Prep Type: Soluble	
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	164		250	406.1		mg/Kg		97	90 - 110		

Lab Sample ID: 880-49948-24 MSD Matrix: Solid Analysis Batch: 93708										Client Sample ID: CS-52 (3.5') Prep Type: Soluble	
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	164		250	408.1		mg/Kg		98	90 - 110	0	20

Lab Sample ID: MB 880-93616/1-A Matrix: Solid Analysis Batch: 93709										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			10/19/24 22:42	1		

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QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-93616/2-A

Matrix: Solid

Analysis Batch: 93709

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	239.0		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-93616/3-A

Matrix: Solid

Analysis Batch: 93709

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	239.4		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 880-49948-34 MS

Matrix: Solid

Analysis Batch: 93709

Client Sample ID: CS-62 (3.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	240		248	473.4		mg/Kg		94	90 - 110

Lab Sample ID: 880-49948-34 MSD

Matrix: Solid

Analysis Batch: 93709

Client Sample ID: CS-62 (3.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	240		248	473.3		mg/Kg		94	90 - 110	0	20

Lab Sample ID: 880-49948-44 MS

Matrix: Solid

Analysis Batch: 93709

Client Sample ID: CS-72 (3.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	121		252	362.4		mg/Kg		96	90 - 110

Lab Sample ID: 880-49948-44 MSD

Matrix: Solid

Analysis Batch: 93709

Client Sample ID: CS-72 (3.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	121		252	361.7		mg/Kg		96	90 - 110	0	20

Lab Sample ID: MB 880-93612/1-A

Matrix: Solid

Analysis Batch: 93715

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			10/20/24 13:24	1

Lab Sample ID: LCS 880-93612/2-A

Matrix: Solid

Analysis Batch: 93715

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	233.2		mg/Kg		93	90 - 110

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QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-93612/3-A				Client Sample ID: Lab Control Sample Dup							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 93715											
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	233.4		mg/Kg		93	90 - 110	0	20

Lab Sample ID: 880-49948-4 MS				Client Sample ID: CS-32 (4.5')							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 93715											
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	510		252	749.9		mg/Kg		95	90 - 110		

Lab Sample ID: 880-49948-4 MSD				Client Sample ID: CS-32 (4.5')							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 93715											
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	510		252	748.3		mg/Kg		95	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 93608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49948-1	CS-29 (4.5')	Total/NA	Solid	5035	
880-49948-2	CS-30 (4.5')	Total/NA	Solid	5035	
880-49948-3	CS-31 (4.5')	Total/NA	Solid	5035	
880-49948-4	CS-32 (4.5')	Total/NA	Solid	5035	
880-49948-5	CS-33 (4.5')	Total/NA	Solid	5035	
880-49948-6	CS-34 (4.5')	Total/NA	Solid	5035	
880-49948-7	CS-35 (4.5')	Total/NA	Solid	5035	
880-49948-8	CS-36 (4.5')	Total/NA	Solid	5035	
880-49948-9	CS-37 (4.5')	Total/NA	Solid	5035	
880-49948-10	CS-38 (4.5')	Total/NA	Solid	5035	
880-49948-11	CS-39 (4.5')	Total/NA	Solid	5035	
880-49948-12	CS-40 (4.5')	Total/NA	Solid	5035	
880-49948-13	CS-41 (4.5')	Total/NA	Solid	5035	
880-49948-14	CS-42 (4.5')	Total/NA	Solid	5035	
880-49948-15	CS-43 (4.5')	Total/NA	Solid	5035	
880-49948-16	CS-44 (4.5')	Total/NA	Solid	5035	
880-49948-17	CS-45 (4.5')	Total/NA	Solid	5035	
880-49948-18	CS-46 (3.5')	Total/NA	Solid	5035	
880-49948-19	CS-47 (3.5')	Total/NA	Solid	5035	
880-49948-20	CS-48 (3.5')	Total/NA	Solid	5035	
MB 880-93608/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-93608/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-93608/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-49948-1 MS	CS-29 (4.5')	Total/NA	Solid	5035	
880-49948-1 MSD	CS-29 (4.5')	Total/NA	Solid	5035	

Prep Batch: 93610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49948-21	CS-49 (3.5')	Total/NA	Solid	5035	
880-49948-22	CS-50 (3.5')	Total/NA	Solid	5035	
880-49948-23	CS-51 (3.5')	Total/NA	Solid	5035	
880-49948-24	CS-52 (3.5')	Total/NA	Solid	5035	
880-49948-25	CS-53 (3.5')	Total/NA	Solid	5035	
880-49948-26	CS-54 (3.5')	Total/NA	Solid	5035	
880-49948-27	CS-55 (3.5')	Total/NA	Solid	5035	
880-49948-28	CS-56 (3.5')	Total/NA	Solid	5035	
880-49948-29	CS-57 (3.5')	Total/NA	Solid	5035	
880-49948-30	CS-58 (3.5')	Total/NA	Solid	5035	
880-49948-31	CS-59 (3.5')	Total/NA	Solid	5035	
880-49948-32	CS-60 (3.5')	Total/NA	Solid	5035	
880-49948-33	CS-61 (3.5')	Total/NA	Solid	5035	
880-49948-34	CS-62 (3.5')	Total/NA	Solid	5035	
880-49948-35	CS-63 (3.5')	Total/NA	Solid	5035	
880-49948-36	CS-64 (3.5')	Total/NA	Solid	5035	
880-49948-37	CS-65 (3.5')	Total/NA	Solid	5035	
880-49948-38	CS-66 (3.5')	Total/NA	Solid	5035	
880-49948-39	CS-67 (3.5')	Total/NA	Solid	5035	
880-49948-40	CS-68 (3.5')	Total/NA	Solid	5035	
MB 880-93610/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-93610/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-93610/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

GC VOA (Continued)

Prep Batch: 93610 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49948-21 MS	CS-49 (3.5')	Total/NA	Solid	5035	
880-49948-21 MSD	CS-49 (3.5')	Total/NA	Solid	5035	

Prep Batch: 93611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49948-41	CS-69 (3.5')	Total/NA	Solid	5035	
880-49948-42	CS-70 (3.5')	Total/NA	Solid	5035	
880-49948-43	CS-71 (3.5')	Total/NA	Solid	5035	
880-49948-44	CS-72 (3.5')	Total/NA	Solid	5035	
880-49948-45	CS-73 (3.5')	Total/NA	Solid	5035	
880-49948-46	SW-21 (4.5')	Total/NA	Solid	5035	
880-49948-47	SW-22 (4.5')	Total/NA	Solid	5035	
880-49948-48	SW-23 (4.5')	Total/NA	Solid	5035	
880-49948-49	SW-24 (4.5')	Total/NA	Solid	5035	
880-49948-50	SW-25 (3.5')	Total/NA	Solid	5035	
880-49948-51	SW-26 (3.5')	Total/NA	Solid	5035	
880-49948-52	SW-27 (3.5')	Total/NA	Solid	5035	
880-49948-53	SW-28 (3.5')	Total/NA	Solid	5035	
MB 880-93611/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-93611/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-93611/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-49948-41 MS	CS-69 (3.5')	Total/NA	Solid	5035	
880-49948-41 MSD	CS-69 (3.5')	Total/NA	Solid	5035	

Analysis Batch: 93627

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49948-41	CS-69 (3.5')	Total/NA	Solid	8021B	93611
880-49948-42	CS-70 (3.5')	Total/NA	Solid	8021B	93611
880-49948-43	CS-71 (3.5')	Total/NA	Solid	8021B	93611
880-49948-44	CS-72 (3.5')	Total/NA	Solid	8021B	93611
880-49948-45	CS-73 (3.5')	Total/NA	Solid	8021B	93611
880-49948-46	SW-21 (4.5')	Total/NA	Solid	8021B	93611
880-49948-47	SW-22 (4.5')	Total/NA	Solid	8021B	93611
880-49948-48	SW-23 (4.5')	Total/NA	Solid	8021B	93611
880-49948-49	SW-24 (4.5')	Total/NA	Solid	8021B	93611
880-49948-50	SW-25 (3.5')	Total/NA	Solid	8021B	93611
880-49948-51	SW-26 (3.5')	Total/NA	Solid	8021B	93611
880-49948-52	SW-27 (3.5')	Total/NA	Solid	8021B	93611
880-49948-53	SW-28 (3.5')	Total/NA	Solid	8021B	93611
MB 880-93611/5-A	Method Blank	Total/NA	Solid	8021B	93611
LCS 880-93611/1-A	Lab Control Sample	Total/NA	Solid	8021B	93611
LCSD 880-93611/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	93611
880-49948-41 MS	CS-69 (3.5')	Total/NA	Solid	8021B	93611
880-49948-41 MSD	CS-69 (3.5')	Total/NA	Solid	8021B	93611

Analysis Batch: 93630

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49948-21	CS-49 (3.5')	Total/NA	Solid	8021B	93610
880-49948-22	CS-50 (3.5')	Total/NA	Solid	8021B	93610
880-49948-23	CS-51 (3.5')	Total/NA	Solid	8021B	93610
880-49948-24	CS-52 (3.5')	Total/NA	Solid	8021B	93610

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QC Association Summary

Client: Carmona Resources

Job ID: 880-49948-1

Project/Site: Riverbend 12-13 Federal Com 33H

SDG: Eddy County, New Mexico

GC VOA (Continued)

Analysis Batch: 93630 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49948-25	CS-53 (3.5')	Total/NA	Solid	8021B	93610
880-49948-26	CS-54 (3.5')	Total/NA	Solid	8021B	93610
880-49948-27	CS-55 (3.5')	Total/NA	Solid	8021B	93610
880-49948-28	CS-56 (3.5')	Total/NA	Solid	8021B	93610
880-49948-29	CS-57 (3.5')	Total/NA	Solid	8021B	93610
880-49948-30	CS-58 (3.5')	Total/NA	Solid	8021B	93610
880-49948-31	CS-59 (3.5')	Total/NA	Solid	8021B	93610
880-49948-32	CS-60 (3.5')	Total/NA	Solid	8021B	93610
880-49948-33	CS-61 (3.5')	Total/NA	Solid	8021B	93610
880-49948-34	CS-62 (3.5')	Total/NA	Solid	8021B	93610
880-49948-35	CS-63 (3.5')	Total/NA	Solid	8021B	93610
880-49948-36	CS-64 (3.5')	Total/NA	Solid	8021B	93610
880-49948-37	CS-65 (3.5')	Total/NA	Solid	8021B	93610
880-49948-38	CS-66 (3.5')	Total/NA	Solid	8021B	93610
880-49948-39	CS-67 (3.5')	Total/NA	Solid	8021B	93610
880-49948-40	CS-68 (3.5')	Total/NA	Solid	8021B	93610
MB 880-93610/5-A	Method Blank	Total/NA	Solid	8021B	93610
LCS 880-93610/1-A	Lab Control Sample	Total/NA	Solid	8021B	93610
LCSD 880-93610/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	93610
880-49948-21 MS	CS-49 (3.5')	Total/NA	Solid	8021B	93610
880-49948-21 MSD	CS-49 (3.5')	Total/NA	Solid	8021B	93610

Analysis Batch: 93676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49948-1	CS-29 (4.5')	Total/NA	Solid	Total BTEX	
880-49948-2	CS-30 (4.5')	Total/NA	Solid	Total BTEX	
880-49948-3	CS-31 (4.5')	Total/NA	Solid	Total BTEX	
880-49948-4	CS-32 (4.5')	Total/NA	Solid	Total BTEX	
880-49948-5	CS-33 (4.5')	Total/NA	Solid	Total BTEX	
880-49948-6	CS-34 (4.5')	Total/NA	Solid	Total BTEX	
880-49948-7	CS-35 (4.5')	Total/NA	Solid	Total BTEX	
880-49948-8	CS-36 (4.5')	Total/NA	Solid	Total BTEX	
880-49948-9	CS-37 (4.5')	Total/NA	Solid	Total BTEX	
880-49948-10	CS-38 (4.5')	Total/NA	Solid	Total BTEX	
880-49948-11	CS-39 (4.5')	Total/NA	Solid	Total BTEX	
880-49948-12	CS-40 (4.5')	Total/NA	Solid	Total BTEX	
880-49948-13	CS-41 (4.5')	Total/NA	Solid	Total BTEX	
880-49948-14	CS-42 (4.5')	Total/NA	Solid	Total BTEX	
880-49948-15	CS-43 (4.5')	Total/NA	Solid	Total BTEX	
880-49948-16	CS-44 (4.5')	Total/NA	Solid	Total BTEX	
880-49948-17	CS-45 (4.5')	Total/NA	Solid	Total BTEX	
880-49948-18	CS-46 (3.5')	Total/NA	Solid	Total BTEX	
880-49948-19	CS-47 (3.5')	Total/NA	Solid	Total BTEX	
880-49948-20	CS-48 (3.5')	Total/NA	Solid	Total BTEX	
880-49948-21	CS-49 (3.5')	Total/NA	Solid	Total BTEX	
880-49948-22	CS-50 (3.5')	Total/NA	Solid	Total BTEX	
880-49948-23	CS-51 (3.5')	Total/NA	Solid	Total BTEX	
880-49948-24	CS-52 (3.5')	Total/NA	Solid	Total BTEX	
880-49948-25	CS-53 (3.5')	Total/NA	Solid	Total BTEX	
880-49948-26	CS-54 (3.5')	Total/NA	Solid	Total BTEX	
880-49948-27	CS-55 (3.5')	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

GC VOA (Continued)

Analysis Batch: 93676 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49948-28	CS-56 (3.5')	Total/NA	Solid	Total BTEX	
880-49948-29	CS-57 (3.5')	Total/NA	Solid	Total BTEX	
880-49948-30	CS-58 (3.5')	Total/NA	Solid	Total BTEX	
880-49948-31	CS-59 (3.5')	Total/NA	Solid	Total BTEX	
880-49948-32	CS-60 (3.5')	Total/NA	Solid	Total BTEX	
880-49948-33	CS-61 (3.5')	Total/NA	Solid	Total BTEX	
880-49948-34	CS-62 (3.5')	Total/NA	Solid	Total BTEX	
880-49948-35	CS-63 (3.5')	Total/NA	Solid	Total BTEX	
880-49948-36	CS-64 (3.5')	Total/NA	Solid	Total BTEX	
880-49948-37	CS-65 (3.5')	Total/NA	Solid	Total BTEX	
880-49948-38	CS-66 (3.5')	Total/NA	Solid	Total BTEX	
880-49948-39	CS-67 (3.5')	Total/NA	Solid	Total BTEX	
880-49948-40	CS-68 (3.5')	Total/NA	Solid	Total BTEX	
880-49948-41	CS-69 (3.5')	Total/NA	Solid	Total BTEX	
880-49948-42	CS-70 (3.5')	Total/NA	Solid	Total BTEX	
880-49948-43	CS-71 (3.5')	Total/NA	Solid	Total BTEX	
880-49948-44	CS-72 (3.5')	Total/NA	Solid	Total BTEX	
880-49948-45	CS-73 (3.5')	Total/NA	Solid	Total BTEX	
880-49948-46	SW-21 (4.5')	Total/NA	Solid	Total BTEX	
880-49948-47	SW-22 (4.5')	Total/NA	Solid	Total BTEX	
880-49948-48	SW-23 (4.5')	Total/NA	Solid	Total BTEX	
880-49948-49	SW-24 (4.5')	Total/NA	Solid	Total BTEX	
880-49948-50	SW-25 (3.5')	Total/NA	Solid	Total BTEX	
880-49948-51	SW-26 (3.5')	Total/NA	Solid	Total BTEX	
880-49948-52	SW-27 (3.5')	Total/NA	Solid	Total BTEX	
880-49948-53	SW-28 (3.5')	Total/NA	Solid	Total BTEX	

Analysis Batch: 93685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49948-1	CS-29 (4.5')	Total/NA	Solid	8021B	93608
880-49948-2	CS-30 (4.5')	Total/NA	Solid	8021B	93608
880-49948-3	CS-31 (4.5')	Total/NA	Solid	8021B	93608
880-49948-4	CS-32 (4.5')	Total/NA	Solid	8021B	93608
880-49948-5	CS-33 (4.5')	Total/NA	Solid	8021B	93608
880-49948-6	CS-34 (4.5')	Total/NA	Solid	8021B	93608
880-49948-7	CS-35 (4.5')	Total/NA	Solid	8021B	93608
880-49948-8	CS-36 (4.5')	Total/NA	Solid	8021B	93608
880-49948-9	CS-37 (4.5')	Total/NA	Solid	8021B	93608
880-49948-10	CS-38 (4.5')	Total/NA	Solid	8021B	93608
880-49948-11	CS-39 (4.5')	Total/NA	Solid	8021B	93608
880-49948-12	CS-40 (4.5')	Total/NA	Solid	8021B	93608
880-49948-13	CS-41 (4.5')	Total/NA	Solid	8021B	93608
880-49948-14	CS-42 (4.5')	Total/NA	Solid	8021B	93608
880-49948-15	CS-43 (4.5')	Total/NA	Solid	8021B	93608
880-49948-16	CS-44 (4.5')	Total/NA	Solid	8021B	93608
880-49948-17	CS-45 (4.5')	Total/NA	Solid	8021B	93608
880-49948-18	CS-46 (3.5')	Total/NA	Solid	8021B	93608
880-49948-19	CS-47 (3.5')	Total/NA	Solid	8021B	93608
880-49948-20	CS-48 (3.5')	Total/NA	Solid	8021B	93608
MB 880-93608/5-A	Method Blank	Total/NA	Solid	8021B	93608
LCS 880-93608/1-A	Lab Control Sample	Total/NA	Solid	8021B	93608

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

GC VOA (Continued)

Analysis Batch: 93685 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS80-93608/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	93608
880-49948-1 MS	CS-29 (4.5')	Total/NA	Solid	8021B	93608
880-49948-1 MSD	CS-29 (4.5')	Total/NA	Solid	8021B	93608

GC Semi VOA

Prep Batch: 93613

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49948-1	CS-29 (4.5')	Total/NA	Solid	8015NM Prep	
880-49948-2	CS-30 (4.5')	Total/NA	Solid	8015NM Prep	
880-49948-3	CS-31 (4.5')	Total/NA	Solid	8015NM Prep	
880-49948-4	CS-32 (4.5')	Total/NA	Solid	8015NM Prep	
880-49948-5	CS-33 (4.5')	Total/NA	Solid	8015NM Prep	
880-49948-6	CS-34 (4.5')	Total/NA	Solid	8015NM Prep	
880-49948-7	CS-35 (4.5')	Total/NA	Solid	8015NM Prep	
880-49948-8	CS-36 (4.5')	Total/NA	Solid	8015NM Prep	
880-49948-9	CS-37 (4.5')	Total/NA	Solid	8015NM Prep	
880-49948-10	CS-38 (4.5')	Total/NA	Solid	8015NM Prep	
880-49948-11	CS-39 (4.5')	Total/NA	Solid	8015NM Prep	
880-49948-12	CS-40 (4.5')	Total/NA	Solid	8015NM Prep	
880-49948-13	CS-41 (4.5')	Total/NA	Solid	8015NM Prep	
MB 880-93613/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-93613/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCS80-93613/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-49932-A-1-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-49932-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 93615

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49948-14	CS-42 (4.5')	Total/NA	Solid	8015NM Prep	
880-49948-15	CS-43 (4.5')	Total/NA	Solid	8015NM Prep	
880-49948-16	CS-44 (4.5')	Total/NA	Solid	8015NM Prep	
880-49948-17	CS-45 (4.5')	Total/NA	Solid	8015NM Prep	
880-49948-18	CS-46 (3.5')	Total/NA	Solid	8015NM Prep	
880-49948-19	CS-47 (3.5')	Total/NA	Solid	8015NM Prep	
880-49948-20	CS-48 (3.5')	Total/NA	Solid	8015NM Prep	
880-49948-21	CS-49 (3.5')	Total/NA	Solid	8015NM Prep	
880-49948-22	CS-50 (3.5')	Total/NA	Solid	8015NM Prep	
880-49948-23	CS-51 (3.5')	Total/NA	Solid	8015NM Prep	
880-49948-24	CS-52 (3.5')	Total/NA	Solid	8015NM Prep	
880-49948-25	CS-53 (3.5')	Total/NA	Solid	8015NM Prep	
880-49948-26	CS-54 (3.5')	Total/NA	Solid	8015NM Prep	
880-49948-27	CS-55 (3.5')	Total/NA	Solid	8015NM Prep	
880-49948-28	CS-56 (3.5')	Total/NA	Solid	8015NM Prep	
880-49948-29	CS-57 (3.5')	Total/NA	Solid	8015NM Prep	
880-49948-30	CS-58 (3.5')	Total/NA	Solid	8015NM Prep	
880-49948-31	CS-59 (3.5')	Total/NA	Solid	8015NM Prep	
880-49948-32	CS-60 (3.5')	Total/NA	Solid	8015NM Prep	
880-49948-33	CS-61 (3.5')	Total/NA	Solid	8015NM Prep	
MB 880-93615/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-93615/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 93615 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-93615/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-49948-14 MS	CS-42 (4.5')	Total/NA	Solid	8015NM Prep	
880-49948-14 MSD	CS-42 (4.5')	Total/NA	Solid	8015NM Prep	

Prep Batch: 93617

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49948-34	CS-62 (3.5')	Total/NA	Solid	8015NM Prep	
880-49948-35	CS-63 (3.5')	Total/NA	Solid	8015NM Prep	
880-49948-36	CS-64 (3.5')	Total/NA	Solid	8015NM Prep	
880-49948-37	CS-65 (3.5')	Total/NA	Solid	8015NM Prep	
880-49948-38	CS-66 (3.5')	Total/NA	Solid	8015NM Prep	
880-49948-39	CS-67 (3.5')	Total/NA	Solid	8015NM Prep	
880-49948-40	CS-68 (3.5')	Total/NA	Solid	8015NM Prep	
880-49948-41	CS-69 (3.5')	Total/NA	Solid	8015NM Prep	
880-49948-42	CS-70 (3.5')	Total/NA	Solid	8015NM Prep	
880-49948-43	CS-71 (3.5')	Total/NA	Solid	8015NM Prep	
880-49948-44	CS-72 (3.5')	Total/NA	Solid	8015NM Prep	
880-49948-45	CS-73 (3.5')	Total/NA	Solid	8015NM Prep	
880-49948-46	SW-21 (4.5')	Total/NA	Solid	8015NM Prep	
880-49948-47	SW-22 (4.5')	Total/NA	Solid	8015NM Prep	
880-49948-48	SW-23 (4.5')	Total/NA	Solid	8015NM Prep	
880-49948-49	SW-24 (4.5')	Total/NA	Solid	8015NM Prep	
880-49948-50	SW-25 (3.5')	Total/NA	Solid	8015NM Prep	
880-49948-51	SW-26 (3.5')	Total/NA	Solid	8015NM Prep	
880-49948-52	SW-27 (3.5')	Total/NA	Solid	8015NM Prep	
880-49948-53	SW-28 (3.5')	Total/NA	Solid	8015NM Prep	
MB 880-93617/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-93617/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-93617/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-49948-34 MS	CS-62 (3.5')	Total/NA	Solid	8015NM Prep	
880-49948-34 MSD	CS-62 (3.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 93663

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49948-1	CS-29 (4.5')	Total/NA	Solid	8015B NM	93613
880-49948-2	CS-30 (4.5')	Total/NA	Solid	8015B NM	93613
880-49948-3	CS-31 (4.5')	Total/NA	Solid	8015B NM	93613
880-49948-4	CS-32 (4.5')	Total/NA	Solid	8015B NM	93613
880-49948-5	CS-33 (4.5')	Total/NA	Solid	8015B NM	93613
880-49948-6	CS-34 (4.5')	Total/NA	Solid	8015B NM	93613
880-49948-7	CS-35 (4.5')	Total/NA	Solid	8015B NM	93613
880-49948-8	CS-36 (4.5')	Total/NA	Solid	8015B NM	93613
880-49948-9	CS-37 (4.5')	Total/NA	Solid	8015B NM	93613
880-49948-10	CS-38 (4.5')	Total/NA	Solid	8015B NM	93613
880-49948-11	CS-39 (4.5')	Total/NA	Solid	8015B NM	93613
880-49948-12	CS-40 (4.5')	Total/NA	Solid	8015B NM	93613
880-49948-13	CS-41 (4.5')	Total/NA	Solid	8015B NM	93613
MB 880-93613/1-A	Method Blank	Total/NA	Solid	8015B NM	93613
LCS 880-93613/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	93613
LCSD 880-93613/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	93613
880-49932-A-1-F MS	Matrix Spike	Total/NA	Solid	8015B NM	93613

Eurofins Midland

QC Association Summary

Client: Carmona Resources

Job ID: 880-49948-1

Project/Site: Riverbend 12-13 Federal Com 33H

SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 93663 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49932-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	93613

Analysis Batch: 93665

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49948-14	CS-42 (4.5')	Total/NA	Solid	8015B NM	93615
880-49948-15	CS-43 (4.5')	Total/NA	Solid	8015B NM	93615
880-49948-16	CS-44 (4.5')	Total/NA	Solid	8015B NM	93615
880-49948-17	CS-45 (4.5')	Total/NA	Solid	8015B NM	93615
880-49948-18	CS-46 (3.5')	Total/NA	Solid	8015B NM	93615
880-49948-19	CS-47 (3.5')	Total/NA	Solid	8015B NM	93615
880-49948-20	CS-48 (3.5')	Total/NA	Solid	8015B NM	93615
880-49948-21	CS-49 (3.5')	Total/NA	Solid	8015B NM	93615
880-49948-22	CS-50 (3.5')	Total/NA	Solid	8015B NM	93615
880-49948-23	CS-51 (3.5')	Total/NA	Solid	8015B NM	93615
880-49948-24	CS-52 (3.5')	Total/NA	Solid	8015B NM	93615
880-49948-25	CS-53 (3.5')	Total/NA	Solid	8015B NM	93615
880-49948-26	CS-54 (3.5')	Total/NA	Solid	8015B NM	93615
880-49948-27	CS-55 (3.5')	Total/NA	Solid	8015B NM	93615
880-49948-28	CS-56 (3.5')	Total/NA	Solid	8015B NM	93615
880-49948-29	CS-57 (3.5')	Total/NA	Solid	8015B NM	93615
880-49948-30	CS-58 (3.5')	Total/NA	Solid	8015B NM	93615
880-49948-31	CS-59 (3.5')	Total/NA	Solid	8015B NM	93615
880-49948-32	CS-60 (3.5')	Total/NA	Solid	8015B NM	93615
880-49948-33	CS-61 (3.5')	Total/NA	Solid	8015B NM	93615
MB 880-93615/1-A	Method Blank	Total/NA	Solid	8015B NM	93615
LCS 880-93615/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	93615
LCSD 880-93615/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	93615
880-49948-14 MS	CS-42 (4.5')	Total/NA	Solid	8015B NM	93615
880-49948-14 MSD	CS-42 (4.5')	Total/NA	Solid	8015B NM	93615

Analysis Batch: 93667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49948-34	CS-62 (3.5')	Total/NA	Solid	8015B NM	93617
880-49948-35	CS-63 (3.5')	Total/NA	Solid	8015B NM	93617
880-49948-36	CS-64 (3.5')	Total/NA	Solid	8015B NM	93617
880-49948-37	CS-65 (3.5')	Total/NA	Solid	8015B NM	93617
880-49948-38	CS-66 (3.5')	Total/NA	Solid	8015B NM	93617
880-49948-39	CS-67 (3.5')	Total/NA	Solid	8015B NM	93617
880-49948-40	CS-68 (3.5')	Total/NA	Solid	8015B NM	93617
880-49948-41	CS-69 (3.5')	Total/NA	Solid	8015B NM	93617
880-49948-42	CS-70 (3.5')	Total/NA	Solid	8015B NM	93617
880-49948-43	CS-71 (3.5')	Total/NA	Solid	8015B NM	93617
880-49948-44	CS-72 (3.5')	Total/NA	Solid	8015B NM	93617
880-49948-45	CS-73 (3.5')	Total/NA	Solid	8015B NM	93617
880-49948-46	SW-21 (4.5')	Total/NA	Solid	8015B NM	93617
880-49948-47	SW-22 (4.5')	Total/NA	Solid	8015B NM	93617
880-49948-48	SW-23 (4.5')	Total/NA	Solid	8015B NM	93617
880-49948-49	SW-24 (4.5')	Total/NA	Solid	8015B NM	93617
880-49948-50	SW-25 (3.5')	Total/NA	Solid	8015B NM	93617
880-49948-51	SW-26 (3.5')	Total/NA	Solid	8015B NM	93617
880-49948-52	SW-27 (3.5')	Total/NA	Solid	8015B NM	93617

Eurofins Midland

QC Association Summary

Client: Carmona Resources

Job ID: 880-49948-1

Project/Site: Riverbend 12-13 Federal Com 33H

SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 93667 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49948-53	SW-28 (3.5')	Total/NA	Solid	8015B NM	93617
MB 880-93617/1-A	Method Blank	Total/NA	Solid	8015B NM	93617
LCS 880-93617/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	93617
LCSD 880-93617/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	93617
880-49948-34 MS	CS-62 (3.5')	Total/NA	Solid	8015B NM	93617
880-49948-34 MSD	CS-62 (3.5')	Total/NA	Solid	8015B NM	93617

Analysis Batch: 93777

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49948-1	CS-29 (4.5')	Total/NA	Solid	8015 NM	
880-49948-2	CS-30 (4.5')	Total/NA	Solid	8015 NM	
880-49948-3	CS-31 (4.5')	Total/NA	Solid	8015 NM	
880-49948-4	CS-32 (4.5')	Total/NA	Solid	8015 NM	
880-49948-5	CS-33 (4.5')	Total/NA	Solid	8015 NM	
880-49948-6	CS-34 (4.5')	Total/NA	Solid	8015 NM	
880-49948-7	CS-35 (4.5')	Total/NA	Solid	8015 NM	
880-49948-8	CS-36 (4.5')	Total/NA	Solid	8015 NM	
880-49948-9	CS-37 (4.5')	Total/NA	Solid	8015 NM	
880-49948-10	CS-38 (4.5')	Total/NA	Solid	8015 NM	
880-49948-11	CS-39 (4.5')	Total/NA	Solid	8015 NM	
880-49948-12	CS-40 (4.5')	Total/NA	Solid	8015 NM	
880-49948-13	CS-41 (4.5')	Total/NA	Solid	8015 NM	
880-49948-14	CS-42 (4.5')	Total/NA	Solid	8015 NM	
880-49948-15	CS-43 (4.5')	Total/NA	Solid	8015 NM	
880-49948-16	CS-44 (4.5')	Total/NA	Solid	8015 NM	
880-49948-17	CS-45 (4.5')	Total/NA	Solid	8015 NM	
880-49948-18	CS-46 (3.5')	Total/NA	Solid	8015 NM	
880-49948-19	CS-47 (3.5')	Total/NA	Solid	8015 NM	
880-49948-20	CS-48 (3.5')	Total/NA	Solid	8015 NM	
880-49948-21	CS-49 (3.5')	Total/NA	Solid	8015 NM	
880-49948-22	CS-50 (3.5')	Total/NA	Solid	8015 NM	
880-49948-23	CS-51 (3.5')	Total/NA	Solid	8015 NM	
880-49948-24	CS-52 (3.5')	Total/NA	Solid	8015 NM	
880-49948-25	CS-53 (3.5')	Total/NA	Solid	8015 NM	
880-49948-26	CS-54 (3.5')	Total/NA	Solid	8015 NM	
880-49948-27	CS-55 (3.5')	Total/NA	Solid	8015 NM	
880-49948-28	CS-56 (3.5')	Total/NA	Solid	8015 NM	
880-49948-29	CS-57 (3.5')	Total/NA	Solid	8015 NM	
880-49948-30	CS-58 (3.5')	Total/NA	Solid	8015 NM	
880-49948-31	CS-59 (3.5')	Total/NA	Solid	8015 NM	
880-49948-32	CS-60 (3.5')	Total/NA	Solid	8015 NM	
880-49948-33	CS-61 (3.5')	Total/NA	Solid	8015 NM	
880-49948-34	CS-62 (3.5')	Total/NA	Solid	8015 NM	
880-49948-35	CS-63 (3.5')	Total/NA	Solid	8015 NM	
880-49948-36	CS-64 (3.5')	Total/NA	Solid	8015 NM	
880-49948-37	CS-65 (3.5')	Total/NA	Solid	8015 NM	
880-49948-38	CS-66 (3.5')	Total/NA	Solid	8015 NM	
880-49948-39	CS-67 (3.5')	Total/NA	Solid	8015 NM	
880-49948-40	CS-68 (3.5')	Total/NA	Solid	8015 NM	
880-49948-41	CS-69 (3.5')	Total/NA	Solid	8015 NM	
880-49948-42	CS-70 (3.5')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 93777 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49948-43	CS-71 (3.5')	Total/NA	Solid	8015 NM	
880-49948-44	CS-72 (3.5')	Total/NA	Solid	8015 NM	
880-49948-45	CS-73 (3.5')	Total/NA	Solid	8015 NM	
880-49948-46	SW-21 (4.5')	Total/NA	Solid	8015 NM	
880-49948-47	SW-22 (4.5')	Total/NA	Solid	8015 NM	
880-49948-48	SW-23 (4.5')	Total/NA	Solid	8015 NM	
880-49948-49	SW-24 (4.5')	Total/NA	Solid	8015 NM	
880-49948-50	SW-25 (3.5')	Total/NA	Solid	8015 NM	
880-49948-51	SW-26 (3.5')	Total/NA	Solid	8015 NM	
880-49948-52	SW-27 (3.5')	Total/NA	Solid	8015 NM	
880-49948-53	SW-28 (3.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 93612

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49948-1	CS-29 (4.5')	Soluble	Solid	DI Leach	
880-49948-2	CS-30 (4.5')	Soluble	Solid	DI Leach	
880-49948-3	CS-31 (4.5')	Soluble	Solid	DI Leach	
880-49948-4	CS-32 (4.5')	Soluble	Solid	DI Leach	
880-49948-5	CS-33 (4.5')	Soluble	Solid	DI Leach	
880-49948-6	CS-34 (4.5')	Soluble	Solid	DI Leach	
880-49948-7	CS-35 (4.5')	Soluble	Solid	DI Leach	
880-49948-8	CS-36 (4.5')	Soluble	Solid	DI Leach	
880-49948-9	CS-37 (4.5')	Soluble	Solid	DI Leach	
880-49948-10	CS-38 (4.5')	Soluble	Solid	DI Leach	
880-49948-11	CS-39 (4.5')	Soluble	Solid	DI Leach	
880-49948-12	CS-40 (4.5')	Soluble	Solid	DI Leach	
880-49948-13	CS-41 (4.5')	Soluble	Solid	DI Leach	
MB 880-93612/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-93612/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-93612/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-49948-4 MS	CS-32 (4.5')	Soluble	Solid	DI Leach	
880-49948-4 MSD	CS-32 (4.5')	Soluble	Solid	DI Leach	

Leach Batch: 93614

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49948-14	CS-42 (4.5')	Soluble	Solid	DI Leach	
880-49948-15	CS-43 (4.5')	Soluble	Solid	DI Leach	
880-49948-16	CS-44 (4.5')	Soluble	Solid	DI Leach	
880-49948-17	CS-45 (4.5')	Soluble	Solid	DI Leach	
880-49948-18	CS-46 (3.5')	Soluble	Solid	DI Leach	
880-49948-19	CS-47 (3.5')	Soluble	Solid	DI Leach	
880-49948-20	CS-48 (3.5')	Soluble	Solid	DI Leach	
880-49948-21	CS-49 (3.5')	Soluble	Solid	DI Leach	
880-49948-22	CS-50 (3.5')	Soluble	Solid	DI Leach	
880-49948-23	CS-51 (3.5')	Soluble	Solid	DI Leach	
880-49948-24	CS-52 (3.5')	Soluble	Solid	DI Leach	
880-49948-25	CS-53 (3.5')	Soluble	Solid	DI Leach	
880-49948-26	CS-54 (3.5')	Soluble	Solid	DI Leach	
880-49948-27	CS-55 (3.5')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Leach Batch: 93614 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49948-28	CS-56 (3.5')	Soluble	Solid	DI Leach	
880-49948-29	CS-57 (3.5')	Soluble	Solid	DI Leach	
880-49948-30	CS-58 (3.5')	Soluble	Solid	DI Leach	
880-49948-31	CS-59 (3.5')	Soluble	Solid	DI Leach	
880-49948-32	CS-60 (3.5')	Soluble	Solid	DI Leach	
880-49948-33	CS-61 (3.5')	Soluble	Solid	DI Leach	
MB 880-93614/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-93614/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-93614/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-49948-14 MS	CS-42 (4.5')	Soluble	Solid	DI Leach	
880-49948-14 MSD	CS-42 (4.5')	Soluble	Solid	DI Leach	
880-49948-24 MS	CS-52 (3.5')	Soluble	Solid	DI Leach	
880-49948-24 MSD	CS-52 (3.5')	Soluble	Solid	DI Leach	

Leach Batch: 93616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49948-34	CS-62 (3.5')	Soluble	Solid	DI Leach	
880-49948-35	CS-63 (3.5')	Soluble	Solid	DI Leach	
880-49948-36	CS-64 (3.5')	Soluble	Solid	DI Leach	
880-49948-37	CS-65 (3.5')	Soluble	Solid	DI Leach	
880-49948-38	CS-66 (3.5')	Soluble	Solid	DI Leach	
880-49948-39	CS-67 (3.5')	Soluble	Solid	DI Leach	
880-49948-40	CS-68 (3.5')	Soluble	Solid	DI Leach	
880-49948-41	CS-69 (3.5')	Soluble	Solid	DI Leach	
880-49948-42	CS-70 (3.5')	Soluble	Solid	DI Leach	
880-49948-43	CS-71 (3.5')	Soluble	Solid	DI Leach	
880-49948-44	CS-72 (3.5')	Soluble	Solid	DI Leach	
880-49948-45	CS-73 (3.5')	Soluble	Solid	DI Leach	
880-49948-46	SW-21 (4.5')	Soluble	Solid	DI Leach	
880-49948-47	SW-22 (4.5')	Soluble	Solid	DI Leach	
880-49948-48	SW-23 (4.5')	Soluble	Solid	DI Leach	
880-49948-49	SW-24 (4.5')	Soluble	Solid	DI Leach	
880-49948-50	SW-25 (3.5')	Soluble	Solid	DI Leach	
880-49948-51	SW-26 (3.5')	Soluble	Solid	DI Leach	
880-49948-52	SW-27 (3.5')	Soluble	Solid	DI Leach	
880-49948-53	SW-28 (3.5')	Soluble	Solid	DI Leach	
MB 880-93616/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-93616/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-93616/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-49948-34 MS	CS-62 (3.5')	Soluble	Solid	DI Leach	
880-49948-34 MSD	CS-62 (3.5')	Soluble	Solid	DI Leach	
880-49948-44 MS	CS-72 (3.5')	Soluble	Solid	DI Leach	
880-49948-44 MSD	CS-72 (3.5')	Soluble	Solid	DI Leach	

Analysis Batch: 93708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49948-14	CS-42 (4.5')	Soluble	Solid	300.0	93614
880-49948-15	CS-43 (4.5')	Soluble	Solid	300.0	93614
880-49948-16	CS-44 (4.5')	Soluble	Solid	300.0	93614
880-49948-17	CS-45 (4.5')	Soluble	Solid	300.0	93614
880-49948-18	CS-46 (3.5')	Soluble	Solid	300.0	93614

Eurofins Midland

QC Association Summary

Client: Carmona Resources

Job ID: 880-49948-1

Project/Site: Riverbend 12-13 Federal Com 33H

SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 93708 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49948-19	CS-47 (3.5')	Soluble	Solid	300.0	93614
880-49948-20	CS-48 (3.5')	Soluble	Solid	300.0	93614
880-49948-21	CS-49 (3.5')	Soluble	Solid	300.0	93614
880-49948-22	CS-50 (3.5')	Soluble	Solid	300.0	93614
880-49948-23	CS-51 (3.5')	Soluble	Solid	300.0	93614
880-49948-24	CS-52 (3.5')	Soluble	Solid	300.0	93614
880-49948-25	CS-53 (3.5')	Soluble	Solid	300.0	93614
880-49948-26	CS-54 (3.5')	Soluble	Solid	300.0	93614
880-49948-27	CS-55 (3.5')	Soluble	Solid	300.0	93614
880-49948-28	CS-56 (3.5')	Soluble	Solid	300.0	93614
880-49948-29	CS-57 (3.5')	Soluble	Solid	300.0	93614
880-49948-30	CS-58 (3.5')	Soluble	Solid	300.0	93614
880-49948-31	CS-59 (3.5')	Soluble	Solid	300.0	93614
880-49948-32	CS-60 (3.5')	Soluble	Solid	300.0	93614
880-49948-33	CS-61 (3.5')	Soluble	Solid	300.0	93614
MB 880-93614/1-A	Method Blank	Soluble	Solid	300.0	93614
LCS 880-93614/2-A	Lab Control Sample	Soluble	Solid	300.0	93614
LCSD 880-93614/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	93614
880-49948-14 MS	CS-42 (4.5')	Soluble	Solid	300.0	93614
880-49948-14 MSD	CS-42 (4.5')	Soluble	Solid	300.0	93614
880-49948-24 MS	CS-52 (3.5')	Soluble	Solid	300.0	93614
880-49948-24 MSD	CS-52 (3.5')	Soluble	Solid	300.0	93614

Analysis Batch: 93709

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49948-34	CS-62 (3.5')	Soluble	Solid	300.0	93616
880-49948-35	CS-63 (3.5')	Soluble	Solid	300.0	93616
880-49948-36	CS-64 (3.5')	Soluble	Solid	300.0	93616
880-49948-37	CS-65 (3.5')	Soluble	Solid	300.0	93616
880-49948-38	CS-66 (3.5')	Soluble	Solid	300.0	93616
880-49948-39	CS-67 (3.5')	Soluble	Solid	300.0	93616
880-49948-40	CS-68 (3.5')	Soluble	Solid	300.0	93616
880-49948-41	CS-69 (3.5')	Soluble	Solid	300.0	93616
880-49948-42	CS-70 (3.5')	Soluble	Solid	300.0	93616
880-49948-43	CS-71 (3.5')	Soluble	Solid	300.0	93616
880-49948-44	CS-72 (3.5')	Soluble	Solid	300.0	93616
880-49948-45	CS-73 (3.5')	Soluble	Solid	300.0	93616
880-49948-46	SW-21 (4.5')	Soluble	Solid	300.0	93616
880-49948-47	SW-22 (4.5')	Soluble	Solid	300.0	93616
880-49948-48	SW-23 (4.5')	Soluble	Solid	300.0	93616
880-49948-49	SW-24 (4.5')	Soluble	Solid	300.0	93616
880-49948-50	SW-25 (3.5')	Soluble	Solid	300.0	93616
880-49948-51	SW-26 (3.5')	Soluble	Solid	300.0	93616
880-49948-52	SW-27 (3.5')	Soluble	Solid	300.0	93616
880-49948-53	SW-28 (3.5')	Soluble	Solid	300.0	93616
MB 880-93616/1-A	Method Blank	Soluble	Solid	300.0	93616
LCS 880-93616/2-A	Lab Control Sample	Soluble	Solid	300.0	93616
LCSD 880-93616/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	93616
880-49948-34 MS	CS-62 (3.5')	Soluble	Solid	300.0	93616
880-49948-34 MSD	CS-62 (3.5')	Soluble	Solid	300.0	93616
880-49948-44 MS	CS-72 (3.5')	Soluble	Solid	300.0	93616

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 93709 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49948-44 MSD	CS-72 (3.5')	Soluble	Solid	300.0	93616

Analysis Batch: 93715

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49948-1	CS-29 (4.5')	Soluble	Solid	300.0	93612
880-49948-2	CS-30 (4.5')	Soluble	Solid	300.0	93612
880-49948-3	CS-31 (4.5')	Soluble	Solid	300.0	93612
880-49948-4	CS-32 (4.5')	Soluble	Solid	300.0	93612
880-49948-5	CS-33 (4.5')	Soluble	Solid	300.0	93612
880-49948-6	CS-34 (4.5')	Soluble	Solid	300.0	93612
880-49948-7	CS-35 (4.5')	Soluble	Solid	300.0	93612
880-49948-8	CS-36 (4.5')	Soluble	Solid	300.0	93612
880-49948-9	CS-37 (4.5')	Soluble	Solid	300.0	93612
880-49948-10	CS-38 (4.5')	Soluble	Solid	300.0	93612
880-49948-11	CS-39 (4.5')	Soluble	Solid	300.0	93612
880-49948-12	CS-40 (4.5')	Soluble	Solid	300.0	93612
880-49948-13	CS-41 (4.5')	Soluble	Solid	300.0	93612
MB 880-93612/1-A	Method Blank	Soluble	Solid	300.0	93612
LCS 880-93612/2-A	Lab Control Sample	Soluble	Solid	300.0	93612
LCSD 880-93612/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	93612
880-49948-4 MS	CS-32 (4.5')	Soluble	Solid	300.0	93612
880-49948-4 MSD	CS-32 (4.5')	Soluble	Solid	300.0	93612

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-29 (4.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	93608	10/18/24 08:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93685	10/18/24 19:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93676	10/18/24 19:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			93777	10/18/24 18:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	93613	10/18/24 08:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93663	10/18/24 18:15	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	93612	10/18/24 08:05	SA	EET MID
Soluble	Analysis	300.0		1			93715	10/20/24 14:40	CH	EET MID

Client Sample ID: CS-30 (4.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-2
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			5.02 g	5 mL	93608	10/18/24 08:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93685	10/18/24 20:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93676	10/18/24 20:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			93777	10/18/24 18:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	93613	10/18/24 08:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93663	10/18/24 18:30	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	93612	10/18/24 08:05	SA	EET MID
Soluble	Analysis	300.0		1			93715	10/20/24 14:45	CH	EET MID

Client Sample ID: CS-31 (4.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-3
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			5.01 g	5 mL	93608	10/18/24 08:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93685	10/18/24 20:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93676	10/18/24 20:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			93777	10/18/24 18:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	93613	10/18/24 08:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93663	10/18/24 18:44	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	93612	10/18/24 08:05	SA	EET MID
Soluble	Analysis	300.0		1			93715	10/20/24 14:50	CH	EET MID

Client Sample ID: CS-32 (4.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-4
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			4.99 g	5 mL	93608	10/18/24 08:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93685	10/18/24 20:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93676	10/18/24 20:54	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-32 (4.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-4
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			93777	10/18/24 19:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	93613	10/18/24 08:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93663	10/18/24 19:14	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	93612	10/18/24 08:05	SA	EET MID
Soluble	Analysis	300.0		1			93715	10/20/24 14:56	CH	EET MID

Client Sample ID: CS-33 (4.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-5
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			5.03 g	5 mL	93608	10/18/24 08:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93685	10/18/24 21:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93676	10/18/24 21:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			93777	10/18/24 19:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	93613	10/18/24 08:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93663	10/18/24 19:30	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	93612	10/18/24 08:05	SA	EET MID
Soluble	Analysis	300.0		1			93715	10/20/24 15:12	CH	EET MID

Client Sample ID: CS-34 (4.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-6
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			5.05 g	5 mL	93608	10/18/24 08:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93685	10/18/24 21:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93676	10/18/24 21:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			93777	10/18/24 19:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	93613	10/18/24 08:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93663	10/18/24 19:45	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	93612	10/18/24 08:05	SA	EET MID
Soluble	Analysis	300.0		1			93715	10/20/24 15:17	CH	EET MID

Client Sample ID: CS-35 (4.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-7
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			5.01 g	5 mL	93608	10/18/24 08:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93685	10/18/24 21:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93676	10/18/24 21:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			93777	10/18/24 19:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	93613	10/18/24 08:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93663	10/18/24 19:59	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-35 (4.5')

Lab Sample ID: 880-49948-7

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	93612	10/18/24 08:05	SA	EET MID
Soluble	Analysis	300.0		1			93715	10/20/24 15:34	CH	EET MID

Client Sample ID: CS-36 (4.5')

Lab Sample ID: 880-49948-8

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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	93608	10/18/24 08:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93685	10/18/24 22:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93676	10/18/24 22:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			93777	10/18/24 20:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	93613	10/18/24 08:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93663	10/18/24 20:15	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	93612	10/18/24 08:05	SA	EET MID
Soluble	Analysis	300.0		1			93715	10/20/24 15:39	CH	EET MID

Client Sample ID: CS-37 (4.5')

Lab Sample ID: 880-49948-9

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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	93608	10/18/24 08:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93685	10/18/24 22:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93676	10/18/24 22:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			93777	10/18/24 20:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	93613	10/18/24 08:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93663	10/18/24 20:30	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	93612	10/18/24 08:05	SA	EET MID
Soluble	Analysis	300.0		1			93715	10/20/24 15:45	CH	EET MID

Client Sample ID: CS-38 (4.5')

Lab Sample ID: 880-49948-10

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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	93608	10/18/24 08:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93685	10/18/24 22:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93676	10/18/24 22:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			93777	10/18/24 20:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	93613	10/18/24 08:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93663	10/18/24 20:44	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	93612	10/18/24 08:05	SA	EET MID
Soluble	Analysis	300.0		1			93715	10/20/24 15:50	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-39 (4.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	93608	10/18/24 08:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93685	10/19/24 00:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93676	10/19/24 00:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			93777	10/18/24 20:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	93613	10/18/24 08:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93663	10/18/24 20:59	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	93612	10/18/24 08:05	SA	EET MID
Soluble	Analysis	300.0		1			93715	10/20/24 15:55	CH	EET MID

Client Sample ID: CS-40 (4.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	93608	10/18/24 08:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93685	10/19/24 00:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93676	10/19/24 00:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			93777	10/18/24 21:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	93613	10/18/24 08:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93663	10/18/24 21:13	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	93612	10/18/24 08:05	SA	EET MID
Soluble	Analysis	300.0		1			93715	10/20/24 16:01	CH	EET MID

Client Sample ID: CS-41 (4.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	93608	10/18/24 08:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93685	10/19/24 01:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93676	10/19/24 01:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			93777	10/18/24 21:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	93613	10/18/24 08:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93663	10/18/24 21:30	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	93612	10/18/24 08:05	SA	EET MID
Soluble	Analysis	300.0		1			93715	10/20/24 16:06	CH	EET MID

Client Sample ID: CS-42 (4.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	93608	10/18/24 08:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93685	10/19/24 01:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93676	10/19/24 01:31	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-42 (4.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			93777	10/18/24 15:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	93615	10/18/24 08:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93665	10/18/24 15:10	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	93614	10/18/24 08:09	SA	EET MID
Soluble	Analysis	300.0		1			93708	10/19/24 19:49	CH	EET MID

Client Sample ID: CS-43 (4.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	93608	10/18/24 08:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93685	10/19/24 01:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93676	10/19/24 01:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			93777	10/18/24 16:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	93615	10/18/24 08:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93665	10/18/24 16:46	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	93614	10/18/24 08:09	SA	EET MID
Soluble	Analysis	300.0		1			93708	10/19/24 20:05	CH	EET MID

Client Sample ID: CS-44 (4.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	93608	10/18/24 08:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93685	10/19/24 02:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93676	10/19/24 02:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			93777	10/18/24 17:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	93615	10/18/24 08:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93665	10/18/24 17:00	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	93614	10/18/24 08:09	SA	EET MID
Soluble	Analysis	300.0		1			93708	10/19/24 20:11	CH	EET MID

Client Sample ID: CS-45 (4.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	93608	10/18/24 08:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93685	10/19/24 02:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93676	10/19/24 02:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			93777	10/18/24 17:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	93615	10/18/24 08:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93665	10/18/24 17:15	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-45 (4.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-17
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			4.99 g	50 mL	93614	10/18/24 08:09	SA	EET MID
Soluble	Analysis	300.0		1			93708	10/19/24 20:16	CH	EET MID

Client Sample ID: CS-46 (3.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	93608	10/18/24 08:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93685	10/19/24 02:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93676	10/19/24 02:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			93777	10/18/24 17:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	93615	10/18/24 08:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93665	10/18/24 17:30	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	93614	10/18/24 08:09	SA	EET MID
Soluble	Analysis	300.0		1			93708	10/19/24 20:22	CH	EET MID

Client Sample ID: CS-47 (3.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	93608	10/18/24 08:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93685	10/19/24 03:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93676	10/19/24 03:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			93777	10/18/24 17:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	93615	10/18/24 08:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93665	10/18/24 17:45	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	93614	10/18/24 08:09	SA	EET MID
Soluble	Analysis	300.0		1			93708	10/19/24 20:38	CH	EET MID

Client Sample ID: CS-48 (3.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-20
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	93608	10/18/24 08:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93685	10/19/24 03:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93676	10/19/24 03:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			93777	10/18/24 17:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	93615	10/18/24 08:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93665	10/18/24 17:59	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	93614	10/18/24 08:09	SA	EET MID
Soluble	Analysis	300.0		1			93708	10/19/24 20:43	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-49 (3.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	93610	10/18/24 08:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93630	10/18/24 12:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93676	10/18/24 12:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			93777	10/18/24 18:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	93615	10/18/24 08:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93665	10/18/24 18:15	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	93614	10/18/24 08:09	SA	EET MID
Soluble	Analysis	300.0		1			93708	10/19/24 20:49	CH	EET MID

Client Sample ID: CS-50 (3.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-22
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	93610	10/18/24 08:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93630	10/18/24 12:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93676	10/18/24 12:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			93777	10/18/24 18:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	93615	10/18/24 08:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93665	10/18/24 18:30	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	93614	10/18/24 08:09	SA	EET MID
Soluble	Analysis	300.0		1			93708	10/19/24 20:54	CH	EET MID

Client Sample ID: CS-51 (3.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-23
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	93610	10/18/24 08:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93630	10/18/24 13:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93676	10/18/24 13:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			93777	10/18/24 18:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	93615	10/18/24 08:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93665	10/18/24 18:44	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	93614	10/18/24 08:09	SA	EET MID
Soluble	Analysis	300.0		1			93708	10/19/24 20:59	CH	EET MID

Client Sample ID: CS-52 (3.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	93610	10/18/24 08:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93630	10/18/24 13:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93676	10/18/24 13:31	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-52 (3.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			93777	10/18/24 19:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	93615	10/18/24 08:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93665	10/18/24 19:14	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	93614	10/18/24 08:09	SA	EET MID
Soluble	Analysis	300.0		1			93708	10/19/24 21:05	CH	EET MID

Client Sample ID: CS-53 (3.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-25
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	93610	10/18/24 08:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93630	10/18/24 13:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93676	10/18/24 13:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			93777	10/18/24 19:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	93615	10/18/24 08:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93665	10/18/24 19:30	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	93614	10/18/24 08:09	SA	EET MID
Soluble	Analysis	300.0		1			93708	10/19/24 21:21	CH	EET MID

Client Sample ID: CS-54 (3.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-26
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	93610	10/18/24 08:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93630	10/18/24 14:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93676	10/18/24 14:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			93777	10/18/24 19:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	93615	10/18/24 08:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93665	10/18/24 19:45	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	93614	10/18/24 08:09	SA	EET MID
Soluble	Analysis	300.0		1			93708	10/19/24 21:26	CH	EET MID

Client Sample ID: CS-55 (3.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-27
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	93610	10/18/24 08:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93630	10/18/24 14:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93676	10/18/24 14:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			93777	10/18/24 19:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	93615	10/18/24 08:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93665	10/18/24 19:59	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-55 (3.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-27
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			5.03 g	50 mL	93614	10/18/24 08:09	SA	EET MID
Soluble	Analysis	300.0		1			93708	10/19/24 21:42	CH	EET MID

Client Sample ID: CS-56 (3.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-28
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	93610	10/18/24 08:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93630	10/18/24 14:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93676	10/18/24 14:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			93777	10/18/24 20:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	93615	10/18/24 08:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93665	10/18/24 20:15	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	93614	10/18/24 08:09	SA	EET MID
Soluble	Analysis	300.0		1			93708	10/19/24 21:48	CH	EET MID

Client Sample ID: CS-57 (3.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-29
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	93610	10/18/24 08:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93630	10/18/24 15:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93676	10/18/24 15:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			93777	10/18/24 20:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	93615	10/18/24 08:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93665	10/18/24 20:30	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	93614	10/18/24 08:09	SA	EET MID
Soluble	Analysis	300.0		1			93708	10/19/24 21:53	CH	EET MID

Client Sample ID: CS-58 (3.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-30
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	93610	10/18/24 08:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93630	10/18/24 15:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93676	10/18/24 15:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			93777	10/18/24 20:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	93615	10/18/24 08:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93665	10/18/24 20:44	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	93614	10/18/24 08:09	SA	EET MID
Soluble	Analysis	300.0		1			93708	10/19/24 21:59	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-59 (3.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-31
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			4.99 g	5 mL	93610	10/18/24 08:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93630	10/18/24 17:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93676	10/18/24 17:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			93777	10/18/24 20:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	93615	10/18/24 08:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93665	10/18/24 20:59	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	93614	10/18/24 08:09	SA	EET MID
Soluble	Analysis	300.0		1			93708	10/19/24 22:04	CH	EET MID

Client Sample ID: CS-60 (3.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-32
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			5.02 g	5 mL	93610	10/18/24 08:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93630	10/18/24 17:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93676	10/18/24 17:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			93777	10/18/24 21:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	93615	10/18/24 08:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93665	10/18/24 21:13	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	93614	10/18/24 08:09	SA	EET MID
Soluble	Analysis	300.0		1			93708	10/19/24 22:09	CH	EET MID

Client Sample ID: CS-61 (3.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-33
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	93610	10/18/24 08:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93630	10/18/24 18:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93676	10/18/24 18:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			93777	10/18/24 21:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	93615	10/18/24 08:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93665	10/18/24 21:30	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	93614	10/18/24 08:09	SA	EET MID
Soluble	Analysis	300.0		1			93708	10/19/24 22:15	CH	EET MID

Client Sample ID: CS-62 (3.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-34
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	93610	10/18/24 08:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93630	10/18/24 18:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93676	10/18/24 18:26	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-62 (3.5')

Lab Sample ID: 880-49948-34

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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			93777	10/18/24 14:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	93617	10/18/24 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93667	10/18/24 14:25	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	93616	10/18/24 08:13	SA	EET MID
Soluble	Analysis	300.0		1			93709	10/19/24 22:58	CH	EET MID

Client Sample ID: CS-63 (3.5')

Lab Sample ID: 880-49948-35

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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	93610	10/18/24 08:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93630	10/18/24 18:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93676	10/18/24 18:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			93777	10/18/24 15:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	93617	10/18/24 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93667	10/18/24 15:13	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	93616	10/18/24 08:13	SA	EET MID
Soluble	Analysis	300.0		1			93709	10/19/24 23:14	CH	EET MID

Client Sample ID: CS-64 (3.5')

Lab Sample ID: 880-49948-36

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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	93610	10/18/24 08:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93630	10/18/24 19:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93676	10/18/24 19:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			93777	10/18/24 15:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	93617	10/18/24 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93667	10/18/24 15:28	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	93616	10/18/24 08:13	SA	EET MID
Soluble	Analysis	300.0		1			93709	10/19/24 23:20	CH	EET MID

Client Sample ID: CS-65 (3.5')

Lab Sample ID: 880-49948-37

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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	93610	10/18/24 08:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93630	10/18/24 19:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93676	10/18/24 19:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			93777	10/18/24 15:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	93617	10/18/24 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93667	10/18/24 15:44	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-65 (3.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-37
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			5.02 g	50 mL	93616	10/18/24 08:13	SA	EET MID
Soluble	Analysis	300.0		1			93709	10/19/24 23:25	CH	EET MID

Client Sample ID: CS-66 (3.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-38
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	93610	10/18/24 08:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93630	10/18/24 19:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93676	10/18/24 19:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			93777	10/18/24 16:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	93617	10/18/24 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93667	10/18/24 16:02	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	93616	10/18/24 08:13	SA	EET MID
Soluble	Analysis	300.0		1			93709	10/19/24 23:31	CH	EET MID

Client Sample ID: CS-67 (3.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-39
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	93610	10/18/24 08:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93630	10/18/24 20:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93676	10/18/24 20:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			93777	10/18/24 16:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	93617	10/18/24 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93667	10/18/24 16:18	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	93616	10/18/24 08:13	SA	EET MID
Soluble	Analysis	300.0		1			93709	10/19/24 23:47	CH	EET MID

Client Sample ID: CS-68 (3.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-40
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	93610	10/18/24 08:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93630	10/18/24 20:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93676	10/18/24 20:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			93777	10/18/24 16:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	93617	10/18/24 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93667	10/18/24 16:34	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	93616	10/18/24 08:13	SA	EET MID
Soluble	Analysis	300.0		1			93709	10/19/24 23:52	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-69 (3.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-41
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	93611	10/18/24 08:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93627	10/18/24 12:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93676	10/18/24 12:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			93777	10/18/24 16:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	93617	10/18/24 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93667	10/18/24 16:51	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	93616	10/18/24 08:13	SA	EET MID
Soluble	Analysis	300.0		1			93709	10/19/24 23:58	CH	EET MID

Client Sample ID: CS-70 (3.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-42
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	93611	10/18/24 08:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93627	10/18/24 12:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93676	10/18/24 12:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			93777	10/18/24 17:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	93617	10/18/24 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93667	10/18/24 17:07	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	93616	10/18/24 08:13	SA	EET MID
Soluble	Analysis	300.0		1			93709	10/20/24 00:03	CH	EET MID

Client Sample ID: CS-71 (3.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-43
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	93611	10/18/24 08:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93627	10/18/24 13:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93676	10/18/24 13:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			93777	10/18/24 17:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	93617	10/18/24 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93667	10/18/24 17:23	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	93616	10/18/24 08:13	SA	EET MID
Soluble	Analysis	300.0		1			93709	10/20/24 00:09	CH	EET MID

Client Sample ID: CS-72 (3.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-44
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	93611	10/18/24 08:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93627	10/18/24 20:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93676	10/18/24 20:39	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-72 (3.5')

Lab Sample ID: 880-49948-44

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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			93777	10/18/24 17:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	93617	10/18/24 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93667	10/18/24 17:54	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	93616	10/18/24 08:13	SA	EET MID
Soluble	Analysis	300.0		1			93709	10/20/24 00:14	CH	EET MID

Client Sample ID: CS-73 (3.5')

Lab Sample ID: 880-49948-45

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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	93611	10/18/24 08:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93627	10/18/24 17:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93676	10/18/24 17:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			93777	10/18/24 18:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	93617	10/18/24 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93667	10/18/24 18:12	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	93616	10/18/24 08:13	SA	EET MID
Soluble	Analysis	300.0		1			93709	10/20/24 00:30	CH	EET MID

Client Sample ID: SW-21 (4.5')

Lab Sample ID: 880-49948-46

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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	93611	10/18/24 08:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93627	10/18/24 17:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93676	10/18/24 17:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			93777	10/18/24 18:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	93617	10/18/24 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93667	10/18/24 18:28	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	93616	10/18/24 08:13	SA	EET MID
Soluble	Analysis	300.0		1			93709	10/20/24 00:36	CH	EET MID

Client Sample ID: SW-22 (4.5')

Lab Sample ID: 880-49948-47

Date Collected: 10/16/24 00:00

Matrix: Solid

Date Received: 10/17/24 16:19

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	93611	10/18/24 08:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93627	10/18/24 18:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93676	10/18/24 18:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			93777	10/18/24 18:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	93617	10/18/24 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93667	10/18/24 18:43	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-22 (4.5')**Lab Sample ID: 880-49948-47****Date Collected: 10/16/24 00:00****Matrix: Solid****Date Received: 10/17/24 16:19**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	93616	10/18/24 08:13	SA	EET MID
Soluble	Analysis	300.0		1			93709	10/20/24 00:52	CH	EET MID

Client Sample ID: SW-23 (4.5')**Lab Sample ID: 880-49948-48****Date Collected: 10/16/24 00:00****Matrix: Solid****Date Received: 10/17/24 16:19**

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	93611	10/18/24 08:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93627	10/18/24 18:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93676	10/18/24 18:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			93777	10/18/24 19:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	93617	10/18/24 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93667	10/18/24 19:00	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	93616	10/18/24 08:13	SA	EET MID
Soluble	Analysis	300.0		1			93709	10/20/24 00:57	CH	EET MID

Client Sample ID: SW-24 (4.5')**Lab Sample ID: 880-49948-49****Date Collected: 10/16/24 00:00****Matrix: Solid****Date Received: 10/17/24 16:19**

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	93611	10/18/24 08:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93627	10/18/24 18:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93676	10/18/24 18:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			93777	10/18/24 19:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	93617	10/18/24 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93667	10/18/24 19:16	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	93616	10/18/24 08:13	SA	EET MID
Soluble	Analysis	300.0		1			93709	10/20/24 01:03	CH	EET MID

Client Sample ID: SW-25 (3.5')**Lab Sample ID: 880-49948-50****Date Collected: 10/16/24 00:00****Matrix: Solid****Date Received: 10/17/24 16:19**

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	93611	10/18/24 08:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93627	10/18/24 19:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93676	10/18/24 19:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			93777	10/18/24 19:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	93617	10/18/24 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93667	10/18/24 19:32	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	93616	10/18/24 08:13	SA	EET MID
Soluble	Analysis	300.0		1			93709	10/20/24 01:08	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-26 (3.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-51
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	93611	10/18/24 08:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93627	10/18/24 19:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93676	10/18/24 19:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			93777	10/18/24 19:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	93617	10/18/24 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93667	10/18/24 19:48	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	93616	10/18/24 08:13	SA	EET MID
Soluble	Analysis	300.0		1			93709	10/20/24 01:13	CH	EET MID

Client Sample ID: SW-27 (3.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-52
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	93611	10/18/24 08:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93627	10/18/24 19:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93676	10/18/24 19:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			93777	10/18/24 20:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	93617	10/18/24 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93667	10/18/24 20:04	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	93616	10/18/24 08:13	SA	EET MID
Soluble	Analysis	300.0		1			93709	10/20/24 01:19	CH	EET MID

Client Sample ID: SW-28 (3.5')
Date Collected: 10/16/24 00:00
Date Received: 10/17/24 16:19

Lab Sample ID: 880-49948-53
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	93611	10/18/24 08:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93627	10/18/24 20:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93676	10/18/24 20:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			93777	10/18/24 20:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	93617	10/18/24 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93667	10/18/24 20:20	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	93616	10/18/24 08:13	SA	EET MID
Soluble	Analysis	300.0		1			93709	10/20/24 01:24	CH	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49948-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-49948-1	CS-29 (4.5')	Solid	10/16/24 00:00	10/17/24 16:19
880-49948-2	CS-30 (4.5')	Solid	10/16/24 00:00	10/17/24 16:19
880-49948-3	CS-31 (4.5')	Solid	10/16/24 00:00	10/17/24 16:19
880-49948-4	CS-32 (4.5')	Solid	10/16/24 00:00	10/17/24 16:19
880-49948-5	CS-33 (4.5')	Solid	10/16/24 00:00	10/17/24 16:19
880-49948-6	CS-34 (4.5')	Solid	10/16/24 00:00	10/17/24 16:19
880-49948-7	CS-35 (4.5')	Solid	10/16/24 00:00	10/17/24 16:19
880-49948-8	CS-36 (4.5')	Solid	10/16/24 00:00	10/17/24 16:19
880-49948-9	CS-37 (4.5')	Solid	10/16/24 00:00	10/17/24 16:19
880-49948-10	CS-38 (4.5')	Solid	10/16/24 00:00	10/17/24 16:19
880-49948-11	CS-39 (4.5')	Solid	10/16/24 00:00	10/17/24 16:19
880-49948-12	CS-40 (4.5')	Solid	10/16/24 00:00	10/17/24 16:19
880-49948-13	CS-41 (4.5')	Solid	10/16/24 00:00	10/17/24 16:19
880-49948-14	CS-42 (4.5')	Solid	10/16/24 00:00	10/17/24 16:19
880-49948-15	CS-43 (4.5')	Solid	10/16/24 00:00	10/17/24 16:19
880-49948-16	CS-44 (4.5')	Solid	10/16/24 00:00	10/17/24 16:19
880-49948-17	CS-45 (4.5')	Solid	10/16/24 00:00	10/17/24 16:19
880-49948-18	CS-46 (3.5')	Solid	10/16/24 00:00	10/17/24 16:19
880-49948-19	CS-47 (3.5')	Solid	10/16/24 00:00	10/17/24 16:19
880-49948-20	CS-48 (3.5')	Solid	10/16/24 00:00	10/17/24 16:19
880-49948-21	CS-49 (3.5')	Solid	10/16/24 00:00	10/17/24 16:19
880-49948-22	CS-50 (3.5')	Solid	10/16/24 00:00	10/17/24 16:19
880-49948-23	CS-51 (3.5')	Solid	10/16/24 00:00	10/17/24 16:19
880-49948-24	CS-52 (3.5')	Solid	10/16/24 00:00	10/17/24 16:19
880-49948-25	CS-53 (3.5')	Solid	10/16/24 00:00	10/17/24 16:19
880-49948-26	CS-54 (3.5')	Solid	10/16/24 00:00	10/17/24 16:19
880-49948-27	CS-55 (3.5')	Solid	10/16/24 00:00	10/17/24 16:19
880-49948-28	CS-56 (3.5')	Solid	10/16/24 00:00	10/17/24 16:19
880-49948-29	CS-57 (3.5')	Solid	10/16/24 00:00	10/17/24 16:19
880-49948-30	CS-58 (3.5')	Solid	10/16/24 00:00	10/17/24 16:19
880-49948-31	CS-59 (3.5')	Solid	10/16/24 00:00	10/17/24 16:19
880-49948-32	CS-60 (3.5')	Solid	10/16/24 00:00	10/17/24 16:19
880-49948-33	CS-61 (3.5')	Solid	10/16/24 00:00	10/17/24 16:19
880-49948-34	CS-62 (3.5')	Solid	10/16/24 00:00	10/17/24 16:19
880-49948-35	CS-63 (3.5')	Solid	10/16/24 00:00	10/17/24 16:19
880-49948-36	CS-64 (3.5')	Solid	10/16/24 00:00	10/17/24 16:19
880-49948-37	CS-65 (3.5')	Solid	10/16/24 00:00	10/17/24 16:19
880-49948-38	CS-66 (3.5')	Solid	10/16/24 00:00	10/17/24 16:19
880-49948-39	CS-67 (3.5')	Solid	10/16/24 00:00	10/17/24 16:19
880-49948-40	CS-68 (3.5')	Solid	10/16/24 00:00	10/17/24 16:19
880-49948-41	CS-69 (3.5')	Solid	10/16/24 00:00	10/17/24 16:19
880-49948-42	CS-70 (3.5')	Solid	10/16/24 00:00	10/17/24 16:19
880-49948-43	CS-71 (3.5')	Solid	10/16/24 00:00	10/17/24 16:19
880-49948-44	CS-72 (3.5')	Solid	10/16/24 00:00	10/17/24 16:19
880-49948-45	CS-73 (3.5')	Solid	10/16/24 00:00	10/17/24 16:19
880-49948-46	SW-21 (4.5')	Solid	10/16/24 00:00	10/17/24 16:19
880-49948-47	SW-22 (4.5')	Solid	10/16/24 00:00	10/17/24 16:19
880-49948-48	SW-23 (4.5')	Solid	10/16/24 00:00	10/17/24 16:19
880-49948-49	SW-24 (4.5')	Solid	10/16/24 00:00	10/17/24 16:19
880-49948-50	SW-25 (3.5')	Solid	10/16/24 00:00	10/17/24 16:19
880-49948-51	SW-26 (3.5')	Solid	10/16/24 00:00	10/17/24 16:19
880-49948-52	SW-27 (3.5')	Solid	10/16/24 00:00	10/17/24 16:19
880-49948-53	SW-28 (3.5')	Solid	10/16/24 00:00	10/17/24 16:19

Chain of Custody



880-49948 Chain of Custody

Page 1 of 6

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:	6001 Deauville Blvd, Suite 300N
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-8988	Email:	laci.luig@coterra.com ashton.thielke@coterra.com

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

Project Name:	Riverbend 12-13 Federal Com 33H	Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes			
Project Number:	2059	☐ Routine	☒ Rush														None: NO	DI Water: H ₂ O		
Project Location:	Eddy County, New Mexico	Due Date:	48 Hour														Cool: Cool	MeOH: Me		
Sampler's Name:	Cade																HCL: HC	HNO ₃ : HN		
PO #:																	H ₂ SO ₄ : H ₂	NaOH: Na		
SAMPLE RECEIPT		Temp Blank:	Yes ☒ No ☐	Wet Ice:	Yes ☒ No ☐	Parameters												Hold		
Received Intact:	Yes ☒ No ☐	Thermometer ID:	728			BTX 8021B												NaHSO ₄ : NABIS		
Cooler Custody Seals:	Yes ☒ No ☐	Correction Factor:	-1.3			TPH 8015M (GRO + DRO + MRO)												Na ₂ S ₂ O ₃ : NaSO ₃		
Sample Custody Seals:	Yes ☒ No ☐	Temperature Reading:	-2.4			Chloride 300.0												Zn Acetate+NaOH: Zn		
Total Containers:		Corrected Temperature:																NaOH+Ascorbic Acid: SAPC		
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
CS-29 (4.5)	10/16/2024		X		Comp	1	X	X	X											
CS-30 (4.5)	10/16/2024		X		Comp	1	X	X	X											
CS-31 (4.5)	10/16/2024		X		Comp	1	X	X	X											
CS-32 (4.5)	10/16/2024		X		Comp	1	X	X	X											
CS-33 (4.5)	10/16/2024		X		Comp	1	X	X	X											
CS-34 (4.5)	10/16/2024		X		Comp	1	X	X	X											
CS-35 (4.5)	10/16/2024		X		Comp	1	X	X	X											
CS-36 (4.5)	10/16/2024		X		Comp	1	X	X	X											
CS-37 (4.5)	10/16/2024		X		Comp	1	X	X	X											
CS-38 (4.5)	10/16/2024		X		Comp	1	X	X	X											

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	10/17/24 1611		10/17/24 1619

Chain of Custody

Work Order No: _____

Page 2 of 6

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:	6001 Deauville Blvd, Suite 300N
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-8988	Email:	laci.luig@cohera.com ashton.thielke@cohera.com

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

Project Name:		Riverbend 12-13 Federal Com 33H		Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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Project Location:		Eddy County, New Mexico		Due Date:		48 Hour													Cool: Cool	MeOH: Me																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
CS-39 (4.5)		10/16/2024		X		Comp	1	X	X	X																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						

Comments:

Relinquished by: (Signature)		Date/Time	Received by: (Signature)	Date/Time
		12/17/24 16M		12/17/24 14M

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- 11
- 12
- 13
- 14

Chain of Custody

Work Order No: _____

Page 3 of 6

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:	6001 Deauville Blvd, Suite 300N
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-8988	Email:	laci.luig@coterra.com ashton.thielke@coterra.com

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

Project Name:	Riverbend 12-13 Federal Com 33H	Turn Around			Pres. Code	ANALYSIS REQUEST												Preservative Codes			
Project Number:	2059	☐ Routine	☒ Rush														None: NO	DI Water: H ₂ O			
Project Location:	Eddy County, New Mexico	Due Date:	48 Hour														Cool: Cool	MeOH: Me			
Sampler's Name:	Cade																HCL: HC	HNO ₃ : HN			
PO #:																	H ₂ SO ₄ : H ₂	NaOH: Na			
SAMPLE RECEIPT		Temp Blank:	Yes	No	Yes <td>No</td> <th>Wet Ice:</th> <td></td> <th>Yes<td>No</td><th colspan="6">Parameters</th><th colspan="2">Hold</th></th>	No	Wet Ice:		Yes <td>No</td> <th colspan="6">Parameters</th> <th colspan="2">Hold</th>	No	Parameters						Hold				
Received Intact:		Yes	No		Thermometer ID:						BTEX 8021B						NaHSO ₄ : HP				
Cooler Custody Seals:		Yes	No	N/A	Correction Factor:						TPH 8015M (GRO + DRO + MRO)						Na ₂ S ₂ O ₃ : NaSO ₃				
Sample Custody Seals:		Yes	No	N/A	Temperature Reading:						Chloride 300.0						Zn Acetate+NaOH: Zn				
Total Containers:					Corrected Temperature:												NaOH+Ascorbic Acid: S APC				
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
CS-49 (3.5')		10/16/2024		X		Comp	1	X	X	X											
CS-50 (3.5')		10/16/2024		X		Comp	1	X	X	X											
CS-51 (3.5')		10/16/2024		X		Comp	1	X	X	X											
CS-52 (3.5')		10/16/2024		X		Comp	1	X	X	X											
CS-53 (3.5')		10/16/2024		X		Comp	1	X	X	X											
CS-54 (3.5')		10/16/2024		X		Comp	1	X	X	X											
CS-55 (3.5')		10/16/2024		X		Comp	1	X	X	X											
CS-56 (3.5')		10/16/2024		X		Comp	1	X	X	X											
CS-57 (3.5')		10/16/2024		X		Comp	1	X	X	X											
CS-58 (3.5')		10/16/2024		X		Comp	1	X	X	X											

Comments:

Relinquished by: (Signature)		Date/Time	10/17/24 16:14	Received by: (Signature)		Date/Time	10/17/24 16:19

Chain of Custody

Work Order No: _____

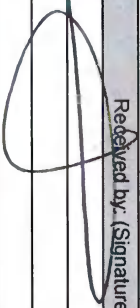
Page 4 of 6

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:	6001 Deauville Blvd, Suite 300N
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-8988	Email:	laci.luig@coterra.com ashton.thielke@coterra.com

Program: UST/PT ☐ PRP ☐ Brownfields ☐ RC ☐ Iperfund ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐	Deliverables: EDD ☐ ADAPT ☐ Other: _____

Project Information				Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes	
Project Name:	Riverbend 12-13 Federal Com 33H			☐ Routine	☒ Rush														None: NO	DI Water: H ₂ O
Project Number:	2059																		Cool: Cool	MeOH: Me
Project Location:	Eddy County, New Mexico			Due Date:	48 Hour														HCL: HC	HNO ₃ : HN
Sampler's Name:	Cade																		H ₂ SO ₄ : H ₂	NaOH: Na
PO #:																			H ₃ PO ₄ : HP	
SAMPLE RECEIPT		Temp Blank:	Yes No	Yes No	Wet Ice:	Yes No	Parameters												Pol	
Received Intact:	Yes No	Thermometer ID:					BTX 8021B												NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes No N/A	Correction Factor:					TPH 8015M (GRO + DRO + MRO)												Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:	Yes No N/A	Temperature Reading:					Chloride 300.0												Zn Acetate+NaOH: Zn	
Total Containers:		Corrected Temperature:																	NaOH+Ascorbic Acid: SAFC	
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
CS-59 (3.5)	10/16/2024		X		Comp	1	X	X	X											
CS-60 (3.5)	10/16/2024		X		Comp	1	X	X	X											
CS-61 (3.5)	10/16/2024		X		Comp	1	X	X	X											
CS-62 (3.5)	10/16/2024		X		Comp	1	X	X	X											
CS-63 (3.5)	10/16/2024		X		Comp	1	X	X	X											
CS-64 (3.5)	10/16/2024		X		Comp	1	X	X	X											
CS-65 (3.5)	10/16/2024		X		Comp	1	X	X	X											
CS-66 (3.5)	10/16/2024		X		Comp	1	X	X	X											
CS-67 (3.5)	10/16/2024		X		Comp	1	X	X	X											
CS-68 (3.5)	10/16/2024		X		Comp	1	X	X	X											

Comments:

Retinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	10/17/2024		10/17/2024

Chain of Custody

Work Order No: _____

Page 5 of 6

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:	6001 Deauville Blvd, Suite 300N
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-8988	Email:	laci.luig@colterra.com ashton.thielke@colterra.com
Work Order Comments			
Program: UST/PST ☐ PRR ☐ Brownfields ☐ IIRC ☐ Iperfund ☐			
State of Project:			
Reporting Level II ☐ Level III ☐ UST/UST ☐ RRP ☐ Level IV ☐			
Deliverables: EDD ☐ ADAPT ☐ Other: _____			

Project Name:	Riverbend 12-13 Federal Com 33H		Turn Around		Prep. Code	ANALYSIS REQUEST												Preservative Codes	
Project Number:	2059		☐ Routine	☒ Rush		48 Hour	None: NO	DI Water: H ₂ O											
Project Location:	Eddy County, New Mexico		Due Date:			Cool: Cool	MeOH: Me												
Sampler's Name:	Cade					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:				NaHSO ₄ : NABIS													
Cooler Custody Seals:	Yes No N/A	Correction Factor:				Na ₂ S ₂ O ₃ : NaSO ₃													
Sample Custody Seals:	Yes No N/A	Temperature Reading:				Zn Acetate+NaOH: Zn													
Total Containers:			Corrected Temperature:			NaOH+Ascorbic Acid: SAPC													
Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters												Sample Comments
CS-69 (3.5)	10/16/2024		X		Comp	1	BTEX 8021B												
CS-70 (3.5)	10/16/2024		X		Comp	1	TPH 8015M (GRO + DRO + MRO)												
CS-71 (3.5)	10/16/2024		X		Comp	1	Chloride 300.0												
CS-72 (3.5)	10/16/2024		X		Comp	1													
CS-73 (3.5)	10/16/2024		X		Comp	1													
SW-21 (4.5)	10/16/2024		X		Comp	1													
SW-22 (4.5)	10/16/2024		X		Comp	1													
SW-23 (4.5)	10/16/2024		X		Comp	1													
SW-24 (4.5)	10/16/2024		X		Comp	1													
SW-25 (3.5)	10/16/2024		X		Comp	1													

Comments:

Relinquished by: (Signature)		Date/Time	Received by: (Signature)	Date/Time
		10/16/24 1619		

Chain of Custody

Work Order No: _____

Page 6 of 6

[illegible]

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-49948-1

SDG Number: Eddy County, New Mexico

Login Number: 49948

List Number: 1

List Source: Eurofins Midland

Creator: Vasquez, Julisa

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



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 10/21/2024 12:17:06 PM

JOB DESCRIPTION

Riverbend 12-13 Federal Com 33H
Eddy County, New Mexico

JOB NUMBER

880-49980-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



Generated
10/21/2024 12:17:06 PM

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

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Laboratory Job ID: 880-49980-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high 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: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1

Job ID: 880-49980-1

Eurofins Midland

Job Narrative
880-49980-1

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 10/18/2024 4:10 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 5.1°C.

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-93610 and 880-93684 and analytical batch 880-93630 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: SW-29 (2.5') (880-49980-46), SW-30 (2.5') (880-49980-47) and SW-31 (2.5') (880-49980-48). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Diesel Range Organics

Method 8015MOD_NM: The method blank for preparation batch 880-93696 and analytical batch 880-93699 contained Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-93696 and 880-93698 and analytical batch 880-93699 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS-76 (2.5') (880-49980-3), CS-77 (2.5') (880-49980-4), CS-87 (2.5') (880-49980-14), CS-88 (2.5') (880-49980-15), CS-89 (2.5') (880-49980-16), CS-91 (2.5') (880-49980-18), CS-114 (2.5') (880-49980-41), CS-115 (2.5') (880-49980-42), CS-116 (2.5') (880-49980-43), (LCS 880-93696/2-A), (LCS 880-93698/2-A), (LCSD 880-93696/3-A) and (LCSD 880-93698/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-93697 and analytical batch 880-93701 was outside the upper control limits.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-93697 and analytical batch 880-93701 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS-99 (2.5') (880-49980-26), CS-100 (2.5') (880-49980-27), CS-101 (2.5') (880-49980-28), CS-102 (2.5') (880-49980-29), CS-103 (2.5') (880-49980-30) and CS-105 (2.5') (880-49980-32). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: CS-94 (2.5') (880-49980-21), CS-95 (2.5') (880-49980-22), CS-96 (2.5') (880-49980-23), CS-98 (2.5') (880-49980-25), CS-106 (2.5') (880-49980-33), CS-107 (2.5') (880-49980-34), CS-108 (2.5') (880-49980-35), CS-109 (2.5') (880-49980-36), CS-110 (2.5') (880-49980-37), CS-111 (2.5') (880-49980-38), (LCSD 880-93697/3-A), (880-49980-A-21-H MS) and (880-49980-A-21-I MSD).

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Case Narrative

Client: Carmona Resources
Project: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1

Job ID: 880-49980-1 (Continued) **Eurofins Midland**

Percent recoveries are based on the amount spiked.

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: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-74 (2.5')
Date Collected: 10/18/24 00:00
Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-1
Matrix: Solid

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		10/18/24 16:30	10/18/24 23:55	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/18/24 16:30	10/18/24 23:55	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/18/24 16:30	10/18/24 23:55	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/18/24 16:30	10/18/24 23:55	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/18/24 16:30	10/18/24 23:55	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/18/24 16:30	10/18/24 23:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				10/18/24 16:30	10/18/24 23:55	1
1,4-Difluorobenzene (Surr)	100		70 - 130				10/18/24 16:30	10/18/24 23:55	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			10/18/24 23:55	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			10/19/24 01:31	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U *	50.4		mg/Kg		10/18/24 23:04	10/19/24 01:31	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		10/18/24 23:04	10/19/24 01:31	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		10/18/24 23:04	10/19/24 01:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				10/18/24 23:04	10/19/24 01:31	1
o-Terphenyl	99		70 - 130				10/18/24 23:04	10/19/24 01:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	117		10.0		mg/Kg			10/20/24 16:50	1

Client Sample ID: CS-75 (2.5')
Date Collected: 10/18/24 00:00
Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-2
Matrix: Solid

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		10/18/24 16:30	10/19/24 00:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/18/24 16:30	10/19/24 00:15	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/18/24 16:30	10/19/24 00:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/18/24 16:30	10/19/24 00:15	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/18/24 16:30	10/19/24 00:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/18/24 16:30	10/19/24 00:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				10/18/24 16:30	10/19/24 00:15	1
1,4-Difluorobenzene (Surr)	102		70 - 130				10/18/24 16:30	10/19/24 00:15	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-75 (2.5')

Lab Sample ID: 880-49980-2

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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			10/19/24 00:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/19/24 02:20	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		10/18/24 23:04	10/19/24 02:20	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/18/24 23:04	10/19/24 02:20	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/18/24 23:04	10/19/24 02:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130				10/18/24 23:04	10/19/24 02:20	1
o-Terphenyl	103		70 - 130				10/18/24 23:04	10/19/24 02:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	83.8		10.0		mg/Kg			10/20/24 17:06	1

Client Sample ID: CS-76 (2.5')

Lab Sample ID: 880-49980-3

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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		10/18/24 16:30	10/19/24 00:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:30	10/19/24 00:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:30	10/19/24 00:36	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/18/24 16:30	10/19/24 00:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:30	10/19/24 00:36	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/18/24 16:30	10/19/24 00:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				10/18/24 16:30	10/19/24 00:36	1
1,4-Difluorobenzene (Surr)	101		70 - 130				10/18/24 16:30	10/19/24 00:36	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			10/19/24 00:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/19/24 02:37	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	<49.7	U *	49.7		mg/Kg		10/18/24 23:04	10/19/24 02:37	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		10/18/24 23:04	10/19/24 02:37	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-76 (2.5')

Lab Sample ID: 880-49980-3

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/18/24 23:04	10/19/24 02:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	144	S1+	70 - 130				10/18/24 23:04	10/19/24 02:37	1
o-Terphenyl	118		70 - 130				10/18/24 23:04	10/19/24 02:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.5		10.1		mg/Kg			10/20/24 17:11	1

Client Sample ID: CS-77 (2.5')

Lab Sample ID: 880-49980-4

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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		10/18/24 16:30	10/19/24 00:56	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/18/24 16:30	10/19/24 00:56	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/18/24 16:30	10/19/24 00:56	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/18/24 16:30	10/19/24 00:56	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/18/24 16:30	10/19/24 00:56	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/18/24 16:30	10/19/24 00:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				10/18/24 16:30	10/19/24 00:56	1
1,4-Difluorobenzene (Surr)	102		70 - 130				10/18/24 16:30	10/19/24 00:56	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			10/19/24 00:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/19/24 02:52	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	<49.7	U **	49.7		mg/Kg		10/18/24 23:04	10/19/24 02:52	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		10/18/24 23:04	10/19/24 02:52	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/18/24 23:04	10/19/24 02:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	148	S1+	70 - 130				10/18/24 23:04	10/19/24 02:52	1
o-Terphenyl	120		70 - 130				10/18/24 23:04	10/19/24 02:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24.0		10.1		mg/Kg			10/20/24 17:17	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-78 (2.5')

Lab Sample ID: 880-49980-5

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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		10/18/24 16:30	10/19/24 01:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:30	10/19/24 01:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:30	10/19/24 01:17	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/18/24 16:30	10/19/24 01:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:30	10/19/24 01:17	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/18/24 16:30	10/19/24 01:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	10/18/24 16:30	10/19/24 01:17	1
1,4-Difluorobenzene (Surr)	100		70 - 130	10/18/24 16:30	10/19/24 01:17	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			10/19/24 01:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			10/19/24 03:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U *	49.6		mg/Kg		10/18/24 23:04	10/19/24 03:09	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		10/18/24 23:04	10/19/24 03:09	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		10/18/24 23:04	10/19/24 03:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130	10/18/24 23:04	10/19/24 03:09	1
o-Terphenyl	100		70 - 130	10/18/24 23:04	10/19/24 03:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18.5		9.96		mg/Kg			10/20/24 17:22	1

Client Sample ID: CS-79 (2.5')

Lab Sample ID: 880-49980-6

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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		10/18/24 16:30	10/19/24 01:37	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/18/24 16:30	10/19/24 01:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/18/24 16:30	10/19/24 01:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/18/24 16:30	10/19/24 01:37	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/18/24 16:30	10/19/24 01:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/18/24 16:30	10/19/24 01:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	10/18/24 16:30	10/19/24 01:37	1
1,4-Difluorobenzene (Surr)	100		70 - 130	10/18/24 16:30	10/19/24 01:37	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-79 (2.5')

Lab Sample ID: 880-49980-6

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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			10/19/24 01:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			10/19/24 03:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U *	49.6		mg/Kg		10/18/24 23:04	10/19/24 03:25	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		10/18/24 23:04	10/19/24 03:25	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		10/18/24 23:04	10/19/24 03:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				10/18/24 23:04	10/19/24 03:25	1
o-Terphenyl	93		70 - 130				10/18/24 23:04	10/19/24 03:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U	9.92		mg/Kg			10/20/24 17:38	1

Client Sample ID: CS-80 (2.5')

Lab Sample ID: 880-49980-7

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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		10/18/24 16:30	10/19/24 01:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/18/24 16:30	10/19/24 01:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/18/24 16:30	10/19/24 01:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/18/24 16:30	10/19/24 01:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/18/24 16:30	10/19/24 01:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/18/24 16:30	10/19/24 01:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				10/18/24 16:30	10/19/24 01:58	1
1,4-Difluorobenzene (Surr)	100		70 - 130				10/18/24 16:30	10/19/24 01:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/19/24 01:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			10/19/24 03:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U *	50.2		mg/Kg		10/18/24 23:04	10/19/24 03:41	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		10/18/24 23:04	10/19/24 03:41	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-80 (2.5')

Lab Sample ID: 880-49980-7

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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)	<50.2	U	50.2		mg/Kg		10/18/24 23:04	10/19/24 03:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130				10/18/24 23:04	10/19/24 03:41	1
o-Terphenyl	108		70 - 130				10/18/24 23:04	10/19/24 03:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18.1		9.96		mg/Kg			10/20/24 17:44	1

Client Sample ID: CS-81 (2.5')

Lab Sample ID: 880-49980-8

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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		10/18/24 16:30	10/19/24 02:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:30	10/19/24 02:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:30	10/19/24 02:18	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/18/24 16:30	10/19/24 02:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:30	10/19/24 02:18	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/18/24 16:30	10/19/24 02:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				10/18/24 16:30	10/19/24 02:18	1
1,4-Difluorobenzene (Surr)	101		70 - 130				10/18/24 16:30	10/19/24 02:18	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			10/19/24 02:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			10/19/24 03:57	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	<50.1	U **	50.1		mg/Kg		10/18/24 23:04	10/19/24 03:57	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		10/18/24 23:04	10/19/24 03:57	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		10/18/24 23:04	10/19/24 03:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				10/18/24 23:04	10/19/24 03:57	1
o-Terphenyl	95		70 - 130				10/18/24 23:04	10/19/24 03:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U	9.92		mg/Kg			10/20/24 17:49	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-82 (2.5')

Lab Sample ID: 880-49980-9

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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		10/18/24 16:30	10/19/24 02:39	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/18/24 16:30	10/19/24 02:39	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/18/24 16:30	10/19/24 02:39	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/18/24 16:30	10/19/24 02:39	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/18/24 16:30	10/19/24 02:39	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/18/24 16:30	10/19/24 02:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				10/18/24 16:30	10/19/24 02:39	1
1,4-Difluorobenzene (Surr)	98		70 - 130				10/18/24 16:30	10/19/24 02:39	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			10/19/24 02:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			10/19/24 04:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U *	50.3		mg/Kg		10/18/24 23:04	10/19/24 04:14	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		10/18/24 23:04	10/19/24 04:14	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		10/18/24 23:04	10/19/24 04:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				10/18/24 23:04	10/19/24 04:14	1
o-Terphenyl	98		70 - 130				10/18/24 23:04	10/19/24 04:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	26.6		10.1		mg/Kg			10/20/24 17:54	1

Client Sample ID: CS-83 (2.5')

Lab Sample ID: 880-49980-10

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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		10/18/24 16:30	10/19/24 02:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:30	10/19/24 02:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:30	10/19/24 02:59	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/18/24 16:30	10/19/24 02:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:30	10/19/24 02:59	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/18/24 16:30	10/19/24 02:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				10/18/24 16:30	10/19/24 02:59	1
1,4-Difluorobenzene (Surr)	101		70 - 130				10/18/24 16:30	10/19/24 02:59	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-83 (2.5')

Lab Sample ID: 880-49980-10

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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			10/19/24 02:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			10/19/24 04:29	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	<50.5	U **	50.5		mg/Kg		10/18/24 23:04	10/19/24 04:29	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		10/18/24 23:04	10/19/24 04:29	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		10/18/24 23:04	10/19/24 04:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				10/18/24 23:04	10/19/24 04:29	1
o-Terphenyl	99		70 - 130				10/18/24 23:04	10/19/24 04:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	27.6		9.94		mg/Kg			10/20/24 18:00	1

Client Sample ID: CS-84 (2.5')

Lab Sample ID: 880-49980-11

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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		10/18/24 16:30	10/19/24 04:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/18/24 16:30	10/19/24 04:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/18/24 16:30	10/19/24 04:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/18/24 16:30	10/19/24 04:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/18/24 16:30	10/19/24 04:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/18/24 16:30	10/19/24 04:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				10/18/24 16:30	10/19/24 04:34	1
1,4-Difluorobenzene (Surr)	99		70 - 130				10/18/24 16:30	10/19/24 04:34	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			10/19/24 04:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/19/24 05:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U **	49.8		mg/Kg		10/18/24 23:04	10/19/24 05:01	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/18/24 23:04	10/19/24 05:01	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-84 (2.5')

Lab Sample ID: 880-49980-11

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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		10/18/24 23:04	10/19/24 05:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				10/18/24 23:04	10/19/24 05:01	1
o-Terphenyl	92		70 - 130				10/18/24 23:04	10/19/24 05:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18.3		9.92		mg/Kg			10/20/24 18:05	1

Client Sample ID: CS-85 (2.5')

Lab Sample ID: 880-49980-12

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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		10/18/24 16:30	10/19/24 04:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/18/24 16:30	10/19/24 04:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/18/24 16:30	10/19/24 04:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/18/24 16:30	10/19/24 04:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/18/24 16:30	10/19/24 04:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/18/24 16:30	10/19/24 04:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				10/18/24 16:30	10/19/24 04:54	1
1,4-Difluorobenzene (Surr)	101		70 - 130				10/18/24 16:30	10/19/24 04:54	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			10/19/24 04:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/19/24 05:18	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		10/18/24 23:04	10/19/24 05:18	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		10/18/24 23:04	10/19/24 05:18	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/18/24 23:04	10/19/24 05:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130				10/18/24 23:04	10/19/24 05:18	1
o-Terphenyl	104		70 - 130				10/18/24 23:04	10/19/24 05:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			10/20/24 18:21	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-86 (2.5')

Lab Sample ID: 880-49980-13

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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		10/18/24 16:30	10/19/24 05:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:30	10/19/24 05:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:30	10/19/24 05:15	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/18/24 16:30	10/19/24 05:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:30	10/19/24 05:15	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/18/24 16:30	10/19/24 05:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	10/18/24 16:30	10/19/24 05:15	1
1,4-Difluorobenzene (Surr)	102		70 - 130	10/18/24 16:30	10/19/24 05:15	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			10/19/24 05:15	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			10/19/24 05:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *	50.0		mg/Kg		10/18/24 23:04	10/19/24 05:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/18/24 23:04	10/19/24 05:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/18/24 23:04	10/19/24 05:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130	10/18/24 23:04	10/19/24 05:33	1
o-Terphenyl	104		70 - 130	10/18/24 23:04	10/19/24 05:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	31.7		10.1		mg/Kg			10/20/24 18:27	1

Client Sample ID: CS-87 (2.5')

Lab Sample ID: 880-49980-14

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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		10/18/24 16:30	10/19/24 05:35	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/18/24 16:30	10/19/24 05:35	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/18/24 16:30	10/19/24 05:35	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/18/24 16:30	10/19/24 05:35	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/18/24 16:30	10/19/24 05:35	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/18/24 16:30	10/19/24 05:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	10/18/24 16:30	10/19/24 05:35	1
1,4-Difluorobenzene (Surr)	100		70 - 130	10/18/24 16:30	10/19/24 05:35	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-87 (2.5')

Lab Sample ID: 880-49980-14

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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			10/19/24 05:35	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			10/19/24 05:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U **	49.9		mg/Kg		10/18/24 23:04	10/19/24 05:49	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/18/24 23:04	10/19/24 05:49	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/18/24 23:04	10/19/24 05:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130				10/18/24 23:04	10/19/24 05:49	1
o-Terphenyl	110		70 - 130				10/18/24 23:04	10/19/24 05:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.7		10.1		mg/Kg			10/20/24 18:43	1

Client Sample ID: CS-88 (2.5')

Lab Sample ID: 880-49980-15

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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		10/18/24 16:30	10/19/24 05:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:30	10/19/24 05:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:30	10/19/24 05:56	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/18/24 16:30	10/19/24 05:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:30	10/19/24 05:56	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/18/24 16:30	10/19/24 05:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				10/18/24 16:30	10/19/24 05:56	1
1,4-Difluorobenzene (Surr)	100		70 - 130				10/18/24 16:30	10/19/24 05:56	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			10/19/24 05:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			10/19/24 06:06	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	<50.1	U **	50.1		mg/Kg		10/18/24 23:04	10/19/24 06:06	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		10/18/24 23:04	10/19/24 06:06	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-88 (2.5')

Lab Sample ID: 880-49980-15

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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)	<50.1	U	50.1		mg/Kg		10/18/24 23:04	10/19/24 06:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	137	S1+	70 - 130				10/18/24 23:04	10/19/24 06:06	1
o-Terphenyl	110		70 - 130				10/18/24 23:04	10/19/24 06:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	60.9		10.1		mg/Kg			10/20/24 18:48	1

Client Sample ID: CS-89 (2.5')

Lab Sample ID: 880-49980-16

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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		10/18/24 16:30	10/19/24 06:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/18/24 16:30	10/19/24 06:16	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/18/24 16:30	10/19/24 06:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/18/24 16:30	10/19/24 06:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/18/24 16:30	10/19/24 06:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/18/24 16:30	10/19/24 06:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				10/18/24 16:30	10/19/24 06:16	1
1,4-Difluorobenzene (Surr)	100		70 - 130				10/18/24 16:30	10/19/24 06:16	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			10/19/24 06:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			10/19/24 06:22	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	<50.3	U **	50.3		mg/Kg		10/18/24 23:04	10/19/24 06:22	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		10/18/24 23:04	10/19/24 06:22	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		10/18/24 23:04	10/19/24 06:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130				10/18/24 23:04	10/19/24 06:22	1
o-Terphenyl	111		70 - 130				10/18/24 23:04	10/19/24 06:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.1		9.96		mg/Kg			10/20/24 18:54	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-90 (2.5')

Lab Sample ID: 880-49980-17

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00167	U	0.00167		mg/Kg		10/18/24 16:30	10/19/24 06:37	1
Toluene	<0.00167	U	0.00167		mg/Kg		10/18/24 16:30	10/19/24 06:37	1
Ethylbenzene	<0.00167	U	0.00167		mg/Kg		10/18/24 16:30	10/19/24 06:37	1
m-Xylene & p-Xylene	<0.00334	U	0.00334		mg/Kg		10/18/24 16:30	10/19/24 06:37	1
o-Xylene	<0.00167	U	0.00167		mg/Kg		10/18/24 16:30	10/19/24 06:37	1
Xylenes, Total	<0.00334	U	0.00334		mg/Kg		10/18/24 16:30	10/19/24 06:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				10/18/24 16:30	10/19/24 06:37	1
1,4-Difluorobenzene (Surr)	101		70 - 130				10/18/24 16:30	10/19/24 06:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00334	U	0.00334		mg/Kg			10/19/24 06:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			10/19/24 06:39	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	<50.3	U *	50.3		mg/Kg		10/18/24 23:04	10/19/24 06:39	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		10/18/24 23:04	10/19/24 06:39	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		10/18/24 23:04	10/19/24 06:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				10/18/24 23:04	10/19/24 06:39	1
o-Terphenyl	100		70 - 130				10/18/24 23:04	10/19/24 06:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.90	U	9.90		mg/Kg			10/20/24 18:59	1

Client Sample ID: CS-91 (2.5')

Lab Sample ID: 880-49980-18

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00181	U	0.00181		mg/Kg		10/18/24 16:30	10/19/24 06:57	1
Toluene	<0.00181	U	0.00181		mg/Kg		10/18/24 16:30	10/19/24 06:57	1
Ethylbenzene	<0.00181	U	0.00181		mg/Kg		10/18/24 16:30	10/19/24 06:57	1
m-Xylene & p-Xylene	<0.00363	U	0.00363		mg/Kg		10/18/24 16:30	10/19/24 06:57	1
o-Xylene	<0.00181	U	0.00181		mg/Kg		10/18/24 16:30	10/19/24 06:57	1
Xylenes, Total	<0.00363	U	0.00363		mg/Kg		10/18/24 16:30	10/19/24 06:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				10/18/24 16:30	10/19/24 06:57	1
1,4-Difluorobenzene (Surr)	100		70 - 130				10/18/24 16:30	10/19/24 06:57	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-91 (2.5')

Lab Sample ID: 880-49980-18

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00363	U	0.00363		mg/Kg			10/19/24 06:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/19/24 06:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U **	49.8		mg/Kg		10/18/24 23:04	10/19/24 06:55	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/18/24 23:04	10/19/24 06:55	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/18/24 23:04	10/19/24 06:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130				10/18/24 23:04	10/19/24 06:55	1
o-Terphenyl	108		70 - 130				10/18/24 23:04	10/19/24 06:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	26.8		10.1		mg/Kg			10/20/24 19:05	1

Client Sample ID: CS-92 (2.5')

Lab Sample ID: 880-49980-19

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00169	U	0.00169		mg/Kg		10/18/24 16:30	10/19/24 07:18	1
Toluene	<0.00169	U	0.00169		mg/Kg		10/18/24 16:30	10/19/24 07:18	1
Ethylbenzene	<0.00169	U	0.00169		mg/Kg		10/18/24 16:30	10/19/24 07:18	1
m-Xylene & p-Xylene	<0.00338	U	0.00338		mg/Kg		10/18/24 16:30	10/19/24 07:18	1
o-Xylene	<0.00169	U	0.00169		mg/Kg		10/18/24 16:30	10/19/24 07:18	1
Xylenes, Total	<0.00338	U	0.00338		mg/Kg		10/18/24 16:30	10/19/24 07:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				10/18/24 16:30	10/19/24 07:18	1
1,4-Difluorobenzene (Surr)	102		70 - 130				10/18/24 16:30	10/19/24 07:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00338	U	0.00338		mg/Kg			10/19/24 07:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/19/24 07:10	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		10/18/24 23:04	10/19/24 07:10	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		10/18/24 23:04	10/19/24 07:10	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-92 (2.5')

Lab Sample ID: 880-49980-19

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/18/24 23:04	10/19/24 07:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				10/18/24 23:04	10/19/24 07:10	1
o-Terphenyl	98		70 - 130				10/18/24 23:04	10/19/24 07:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.5		10.0		mg/Kg			10/20/24 19:10	1

Client Sample ID: CS-93 (2.5')

Lab Sample ID: 880-49980-20

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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		10/18/24 16:30	10/19/24 07:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:30	10/19/24 07:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:30	10/19/24 07:38	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/18/24 16:30	10/19/24 07:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:30	10/19/24 07:38	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/18/24 16:30	10/19/24 07:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				10/18/24 16:30	10/19/24 07:38	1
1,4-Difluorobenzene (Surr)	100		70 - 130				10/18/24 16:30	10/19/24 07:38	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			10/19/24 07:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/19/24 07:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U **	49.7		mg/Kg		10/18/24 23:04	10/19/24 07:26	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		10/18/24 23:04	10/19/24 07:26	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/18/24 23:04	10/19/24 07:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130				10/18/24 23:04	10/19/24 07:26	1
o-Terphenyl	104		70 - 130				10/18/24 23:04	10/19/24 07:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	318		10.1		mg/Kg			10/20/24 19:15	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-94 (2.5')

Lab Sample ID: 880-49980-21

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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		10/18/24 16:31	10/18/24 22:43	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/18/24 16:31	10/18/24 22:43	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/18/24 16:31	10/18/24 22:43	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/18/24 16:31	10/18/24 22:43	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/18/24 16:31	10/18/24 22:43	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/18/24 16:31	10/18/24 22:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	10/18/24 16:31	10/18/24 22:43	1
1,4-Difluorobenzene (Surr)	101		70 - 130	10/18/24 16:31	10/18/24 22:43	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			10/18/24 22:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/19/24 01:31	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		10/18/24 23:09	10/19/24 01:31	1
Diesel Range Organics (Over C10-C28)	<49.8	U **	49.8		mg/Kg		10/18/24 23:09	10/19/24 01:31	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/18/24 23:09	10/19/24 01:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	143	S1+	70 - 130	10/18/24 23:09	10/19/24 01:31	1
o-Terphenyl	135	S1+	70 - 130	10/18/24 23:09	10/19/24 01:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49.6		9.94		mg/Kg			10/20/24 19:59	1

Client Sample ID: CS-95 (2.5')

Lab Sample ID: 880-49980-22

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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		10/18/24 16:31	10/18/24 23:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/18/24 16:31	10/18/24 23:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/18/24 16:31	10/18/24 23:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/18/24 16:31	10/18/24 23:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/18/24 16:31	10/18/24 23:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/18/24 16:31	10/18/24 23:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	10/18/24 16:31	10/18/24 23:03	1
1,4-Difluorobenzene (Surr)	101		70 - 130	10/18/24 16:31	10/18/24 23:03	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-95 (2.5')

Lab Sample ID: 880-49980-22

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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			10/18/24 23:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			10/19/24 02:20	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	<50.5	U **	50.5		mg/Kg		10/18/24 23:09	10/19/24 02:20	1
Diesel Range Organics (Over C10-C28)	<50.5	U **	50.5		mg/Kg		10/18/24 23:09	10/19/24 02:20	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		10/18/24 23:09	10/19/24 02:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	150	S1+	70 - 130				10/18/24 23:09	10/19/24 02:20	1
o-Terphenyl	143	S1+	70 - 130				10/18/24 23:09	10/19/24 02:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41.7		9.94		mg/Kg			10/20/24 20:15	1

Client Sample ID: CS-96 (2.5')

Lab Sample ID: 880-49980-23

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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		10/18/24 16:31	10/18/24 23:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:31	10/18/24 23:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:31	10/18/24 23:24	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/18/24 16:31	10/18/24 23:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:31	10/18/24 23:24	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/18/24 16:31	10/18/24 23:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				10/18/24 16:31	10/18/24 23:24	1
1,4-Difluorobenzene (Surr)	101		70 - 130				10/18/24 16:31	10/18/24 23:24	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			10/18/24 23:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/19/24 02:37	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	<49.9	U **	49.9		mg/Kg		10/18/24 23:09	10/19/24 02:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U **	49.9		mg/Kg		10/18/24 23:09	10/19/24 02:37	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-96 (2.5')
Date Collected: 10/18/24 00:00
Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-23
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)	<49.9	U	49.9		mg/Kg		10/18/24 23:09	10/19/24 02:37	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	163	S1+	70 - 130				10/18/24 23:09	10/19/24 02:37	1	
o-Terphenyl	154	S1+	70 - 130				10/18/24 23:09	10/19/24 02:37	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	<9.92	U	9.92		mg/Kg			10/20/24 20:20	1	

Client Sample ID: CS-97 (2.5')
Date Collected: 10/18/24 00:00
Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-24
Matrix: Solid

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		10/18/24 16:31	10/18/24 23:44	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/18/24 16:31	10/18/24 23:44	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/18/24 16:31	10/18/24 23:44	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/18/24 16:31	10/18/24 23:44	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/18/24 16:31	10/18/24 23:44	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/18/24 16:31	10/18/24 23:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				10/18/24 16:31	10/18/24 23:44	1
1,4-Difluorobenzene (Surr)	101		70 - 130				10/18/24 16:31	10/18/24 23:44	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			10/18/24 23:44	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			10/19/24 02:52	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	<49.7	U **	49.7		mg/Kg		10/18/24 23:09	10/19/24 02:52	1	
Diesel Range Organics (Over C10-C28)	<49.7	U **	49.7		mg/Kg		10/18/24 23:09	10/19/24 02:52	1	
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/18/24 23:09	10/19/24 02:52	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	100		70 - 130				10/18/24 23:09	10/19/24 02:52	1	
o-Terphenyl	94		70 - 130				10/18/24 23:09	10/19/24 02:52	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	58.3		9.96		mg/Kg			10/20/24 20:26	1	

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-98 (2.5')

Lab Sample ID: 880-49980-25

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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		10/18/24 16:31	10/19/24 00:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:31	10/19/24 00:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:31	10/19/24 00:05	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/18/24 16:31	10/19/24 00:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:31	10/19/24 00:05	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/18/24 16:31	10/19/24 00:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	10/18/24 16:31	10/19/24 00:05	1
1,4-Difluorobenzene (Surr)	99		70 - 130	10/18/24 16:31	10/19/24 00:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/19/24 00:05	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			10/19/24 03:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U **	49.9		mg/Kg		10/18/24 23:09	10/19/24 03:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U **	49.9		mg/Kg		10/18/24 23:09	10/19/24 03:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/18/24 23:09	10/19/24 03:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	157	S1+	70 - 130	10/18/24 23:09	10/19/24 03:09	1
o-Terphenyl	150	S1+	70 - 130	10/18/24 23:09	10/19/24 03:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47.3		10.0		mg/Kg			10/20/24 20:31	1

Client Sample ID: CS-99 (2.5')

Lab Sample ID: 880-49980-26

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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		10/18/24 16:31	10/19/24 00:25	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/18/24 16:31	10/19/24 00:25	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/18/24 16:31	10/19/24 00:25	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/18/24 16:31	10/19/24 00:25	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/18/24 16:31	10/19/24 00:25	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/18/24 16:31	10/19/24 00:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	10/18/24 16:31	10/19/24 00:25	1
1,4-Difluorobenzene (Surr)	99		70 - 130	10/18/24 16:31	10/19/24 00:25	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-99 (2.5')

Lab Sample ID: 880-49980-26

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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			10/19/24 00:25	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			10/19/24 03:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U **	49.8		mg/Kg		10/18/24 23:09	10/19/24 03:25	1
Diesel Range Organics (Over C10-C28)	<49.8	U **	49.8		mg/Kg		10/18/24 23:09	10/19/24 03:25	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/18/24 23:09	10/19/24 03:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	133	S1+	70 - 130				10/18/24 23:09	10/19/24 03:25	1
o-Terphenyl	126		70 - 130				10/18/24 23:09	10/19/24 03:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.96	U	9.96		mg/Kg			10/20/24 20:47	1

Client Sample ID: CS-100 (2.5')

Lab Sample ID: 880-49980-27

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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		10/18/24 16:31	10/19/24 00:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/18/24 16:31	10/19/24 00:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/18/24 16:31	10/19/24 00:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/18/24 16:31	10/19/24 00:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/18/24 16:31	10/19/24 00:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/18/24 16:31	10/19/24 00:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				10/18/24 16:31	10/19/24 00:46	1
1,4-Difluorobenzene (Surr)	91		70 - 130				10/18/24 16:31	10/19/24 00:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/19/24 00:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/19/24 03:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U **	50.0		mg/Kg		10/18/24 23:09	10/19/24 03:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0		mg/Kg		10/18/24 23:09	10/19/24 03:41	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-100 (2.5')

Lab Sample ID: 880-49980-27

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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		10/18/24 23:09	10/19/24 03:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130				10/18/24 23:09	10/19/24 03:41	1
o-Terphenyl	126		70 - 130				10/18/24 23:09	10/19/24 03:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			10/20/24 20:53	1

Client Sample ID: CS-101 (2.5')

Lab Sample ID: 880-49980-28

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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		10/18/24 16:31	10/19/24 01:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:31	10/19/24 01:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:31	10/19/24 01:06	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/18/24 16:31	10/19/24 01:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:31	10/19/24 01:06	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/18/24 16:31	10/19/24 01:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				10/18/24 16:31	10/19/24 01:06	1
1,4-Difluorobenzene (Surr)	100		70 - 130				10/18/24 16:31	10/19/24 01:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/19/24 01:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			10/19/24 03:57	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	<50.2	U **	50.2		mg/Kg		10/18/24 23:09	10/19/24 03:57	1
Diesel Range Organics (Over C10-C28)	<50.2	U **	50.2		mg/Kg		10/18/24 23:09	10/19/24 03:57	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		10/18/24 23:09	10/19/24 03:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	133	S1+	70 - 130				10/18/24 23:09	10/19/24 03:57	1
o-Terphenyl	129		70 - 130				10/18/24 23:09	10/19/24 03:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			10/20/24 20:58	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-102 (2.5')

Lab Sample ID: 880-49980-29

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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		10/18/24 16:31	10/19/24 01:27	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/18/24 16:31	10/19/24 01:27	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/18/24 16:31	10/19/24 01:27	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/18/24 16:31	10/19/24 01:27	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/18/24 16:31	10/19/24 01:27	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/18/24 16:31	10/19/24 01:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	10/18/24 16:31	10/19/24 01:27	1
1,4-Difluorobenzene (Surr)	102		70 - 130	10/18/24 16:31	10/19/24 01:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/19/24 01:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			10/19/24 04:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U **	50.1		mg/Kg		10/18/24 23:09	10/19/24 04:14	1
Diesel Range Organics (Over C10-C28)	<50.1	U **	50.1		mg/Kg		10/18/24 23:09	10/19/24 04:14	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		10/18/24 23:09	10/19/24 04:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130	10/18/24 23:09	10/19/24 04:14	1
o-Terphenyl	127		70 - 130	10/18/24 23:09	10/19/24 04:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	330		9.96		mg/Kg			10/20/24 21:04	1

Client Sample ID: CS-103 (2.5')

Lab Sample ID: 880-49980-30

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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		10/18/24 16:31	10/19/24 01:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:31	10/19/24 01:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:31	10/19/24 01:48	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/18/24 16:31	10/19/24 01:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:31	10/19/24 01:48	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/18/24 16:31	10/19/24 01:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	10/18/24 16:31	10/19/24 01:48	1
1,4-Difluorobenzene (Surr)	100		70 - 130	10/18/24 16:31	10/19/24 01:48	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-103 (2.5')

Lab Sample ID: 880-49980-30

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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			10/19/24 01:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			10/19/24 04:29	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	<50.1	U **	50.1		mg/Kg		10/18/24 23:09	10/19/24 04:29	1
Diesel Range Organics (Over C10-C28)	<50.1	U **	50.1		mg/Kg		10/18/24 23:09	10/19/24 04:29	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		10/18/24 23:09	10/19/24 04:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	133	S1+	70 - 130				10/18/24 23:09	10/19/24 04:29	1
o-Terphenyl	127		70 - 130				10/18/24 23:09	10/19/24 04:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	297		10.0		mg/Kg			10/20/24 21:09	1

Client Sample ID: CS-104 (2.5')

Lab Sample ID: 880-49980-31

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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		10/18/24 16:31	10/19/24 03:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/18/24 16:31	10/19/24 03:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/18/24 16:31	10/19/24 03:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/18/24 16:31	10/19/24 03:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/18/24 16:31	10/19/24 03:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/18/24 16:31	10/19/24 03:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				10/18/24 16:31	10/19/24 03:12	1
1,4-Difluorobenzene (Surr)	100		70 - 130				10/18/24 16:31	10/19/24 03:12	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			10/19/24 03:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			10/19/24 05:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U **	50.5		mg/Kg		10/18/24 23:09	10/19/24 05:01	1
Diesel Range Organics (Over C10-C28)	<50.5	U **	50.5		mg/Kg		10/18/24 23:09	10/19/24 05:01	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-104 (2.5')

Lab Sample ID: 880-49980-31

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		10/18/24 23:09	10/19/24 05:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				10/18/24 23:09	10/19/24 05:01	1
o-Terphenyl	121		70 - 130				10/18/24 23:09	10/19/24 05:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.3		10.1		mg/Kg			10/20/24 21:14	1

Client Sample ID: CS-105 (2.5')

Lab Sample ID: 880-49980-32

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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		10/18/24 16:31	10/19/24 03:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/18/24 16:31	10/19/24 03:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/18/24 16:31	10/19/24 03:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/18/24 16:31	10/19/24 03:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/18/24 16:31	10/19/24 03:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/18/24 16:31	10/19/24 03:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				10/18/24 16:31	10/19/24 03:32	1
1,4-Difluorobenzene (Surr)	100		70 - 130				10/18/24 16:31	10/19/24 03:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/19/24 03:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/19/24 05:18	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		10/18/24 23:09	10/19/24 05:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U **	49.9		mg/Kg		10/18/24 23:09	10/19/24 05:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/18/24 23:09	10/19/24 05:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130				10/18/24 23:09	10/19/24 05:18	1
o-Terphenyl	125		70 - 130				10/18/24 23:09	10/19/24 05:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	56.5		10.0		mg/Kg			10/20/24 21:30	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-106 (2.5')

Lab Sample ID: 880-49980-33

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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		10/18/24 16:31	10/19/24 03:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:31	10/19/24 03:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:31	10/19/24 03:53	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/18/24 16:31	10/19/24 03:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:31	10/19/24 03:53	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/18/24 16:31	10/19/24 03:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	10/18/24 16:31	10/19/24 03:53	1
1,4-Difluorobenzene (Surr)	100		70 - 130	10/18/24 16:31	10/19/24 03:53	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			10/19/24 03:53	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			10/19/24 05:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U **	49.8		mg/Kg		10/18/24 23:09	10/19/24 05:33	1
Diesel Range Organics (Over C10-C28)	<49.8	U **	49.8		mg/Kg		10/18/24 23:09	10/19/24 05:33	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/18/24 23:09	10/19/24 05:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	147	S1+	70 - 130	10/18/24 23:09	10/19/24 05:33	1
o-Terphenyl	138	S1+	70 - 130	10/18/24 23:09	10/19/24 05:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	99.8		9.96		mg/Kg			10/20/24 21:36	1

Client Sample ID: CS-107 (2.5')

Lab Sample ID: 880-49980-34

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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		10/18/24 16:31	10/19/24 04:13	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/18/24 16:31	10/19/24 04:13	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/18/24 16:31	10/19/24 04:13	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/18/24 16:31	10/19/24 04:13	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/18/24 16:31	10/19/24 04:13	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/18/24 16:31	10/19/24 04:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	10/18/24 16:31	10/19/24 04:13	1
1,4-Difluorobenzene (Surr)	100		70 - 130	10/18/24 16:31	10/19/24 04:13	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-107 (2.5')

Lab Sample ID: 880-49980-34

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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			10/19/24 04:13	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			10/19/24 05:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U **	49.8		mg/Kg		10/18/24 23:09	10/19/24 05:49	1
Diesel Range Organics (Over C10-C28)	<49.8	U **	49.8		mg/Kg		10/18/24 23:09	10/19/24 05:49	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/18/24 23:09	10/19/24 05:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	144	S1+	70 - 130				10/18/24 23:09	10/19/24 05:49	1
o-Terphenyl	137	S1+	70 - 130				10/18/24 23:09	10/19/24 05:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	304		9.92		mg/Kg			10/20/24 21:52	1

Client Sample ID: CS-108 (2.5')

Lab Sample ID: 880-49980-35

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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		10/18/24 16:31	10/19/24 04:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:31	10/19/24 04:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:31	10/19/24 04:34	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/18/24 16:31	10/19/24 04:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:31	10/19/24 04:34	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/18/24 16:31	10/19/24 04:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				10/18/24 16:31	10/19/24 04:34	1
1,4-Difluorobenzene (Surr)	98		70 - 130				10/18/24 16:31	10/19/24 04:34	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			10/19/24 04:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/19/24 06:06	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	<50.0	U **	50.0		mg/Kg		10/18/24 23:09	10/19/24 06:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0		mg/Kg		10/18/24 23:09	10/19/24 06:06	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-108 (2.5')

Lab Sample ID: 880-49980-35

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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		10/18/24 23:09	10/19/24 06:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	149	S1+	70 - 130				10/18/24 23:09	10/19/24 06:06	1
o-Terphenyl	143	S1+	70 - 130				10/18/24 23:09	10/19/24 06:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	113		10.1		mg/Kg			10/20/24 21:57	1

Client Sample ID: CS-109 (2.5')

Lab Sample ID: 880-49980-36

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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		10/18/24 16:31	10/19/24 04:55	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/18/24 16:31	10/19/24 04:55	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/18/24 16:31	10/19/24 04:55	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/18/24 16:31	10/19/24 04:55	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/18/24 16:31	10/19/24 04:55	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/18/24 16:31	10/19/24 04:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				10/18/24 16:31	10/19/24 04:55	1
1,4-Difluorobenzene (Surr)	102		70 - 130				10/18/24 16:31	10/19/24 04:55	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			10/19/24 04:55	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			10/19/24 06:22	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		10/18/24 23:09	10/19/24 06:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U **	49.9		mg/Kg		10/18/24 23:09	10/19/24 06:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/18/24 23:09	10/19/24 06:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	144	S1+	70 - 130				10/18/24 23:09	10/19/24 06:22	1
o-Terphenyl	139	S1+	70 - 130				10/18/24 23:09	10/19/24 06:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	45.6		9.94		mg/Kg			10/20/24 22:03	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-110 (2.5')

Lab Sample ID: 880-49980-37

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00167	U	0.00167		mg/Kg		10/18/24 16:31	10/19/24 05:15	1
Toluene	<0.00167	U	0.00167		mg/Kg		10/18/24 16:31	10/19/24 05:15	1
Ethylbenzene	<0.00167	U	0.00167		mg/Kg		10/18/24 16:31	10/19/24 05:15	1
m-Xylene & p-Xylene	<0.00334	U	0.00334		mg/Kg		10/18/24 16:31	10/19/24 05:15	1
o-Xylene	<0.00167	U	0.00167		mg/Kg		10/18/24 16:31	10/19/24 05:15	1
Xylenes, Total	<0.00334	U	0.00334		mg/Kg		10/18/24 16:31	10/19/24 05:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	10/18/24 16:31	10/19/24 05:15	1
1,4-Difluorobenzene (Surr)	99		70 - 130	10/18/24 16:31	10/19/24 05:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00334	U	0.00334		mg/Kg			10/19/24 05:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			10/19/24 06:39	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	<50.3	U **	50.3		mg/Kg		10/18/24 23:09	10/19/24 06:39	1
Diesel Range Organics (Over C10-C28)	<50.3	U **	50.3		mg/Kg		10/18/24 23:09	10/19/24 06:39	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		10/18/24 23:09	10/19/24 06:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	140	S1+	70 - 130	10/18/24 23:09	10/19/24 06:39	1
o-Terphenyl	136	S1+	70 - 130	10/18/24 23:09	10/19/24 06:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	305		10.0		mg/Kg			10/20/24 22:08	1

Client Sample ID: CS-111 (2.5')

Lab Sample ID: 880-49980-38

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00181	U	0.00181		mg/Kg		10/18/24 16:31	10/19/24 05:36	1
Toluene	<0.00181	U	0.00181		mg/Kg		10/18/24 16:31	10/19/24 05:36	1
Ethylbenzene	<0.00181	U	0.00181		mg/Kg		10/18/24 16:31	10/19/24 05:36	1
m-Xylene & p-Xylene	<0.00363	U	0.00363		mg/Kg		10/18/24 16:31	10/19/24 05:36	1
o-Xylene	<0.00181	U	0.00181		mg/Kg		10/18/24 16:31	10/19/24 05:36	1
Xylenes, Total	<0.00363	U	0.00363		mg/Kg		10/18/24 16:31	10/19/24 05:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	10/18/24 16:31	10/19/24 05:36	1
1,4-Difluorobenzene (Surr)	102		70 - 130	10/18/24 16:31	10/19/24 05:36	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-111 (2.5')

Lab Sample ID: 880-49980-38

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00363	U	0.00363		mg/Kg			10/19/24 05:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			10/19/24 06:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U **	50.1		mg/Kg		10/18/24 23:09	10/19/24 06:55	1
Diesel Range Organics (Over C10-C28)	<50.1	U **	50.1		mg/Kg		10/18/24 23:09	10/19/24 06:55	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		10/18/24 23:09	10/19/24 06:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	147	S1+	70 - 130				10/18/24 23:09	10/19/24 06:55	1
o-Terphenyl	141	S1+	70 - 130				10/18/24 23:09	10/19/24 06:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	325		10.0		mg/Kg			10/20/24 22:14	1

Client Sample ID: CS-112 (2.5')

Lab Sample ID: 880-49980-39

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00169	U	0.00169		mg/Kg		10/18/24 16:31	10/19/24 05:56	1
Toluene	<0.00169	U	0.00169		mg/Kg		10/18/24 16:31	10/19/24 05:56	1
Ethylbenzene	<0.00169	U	0.00169		mg/Kg		10/18/24 16:31	10/19/24 05:56	1
m-Xylene & p-Xylene	<0.00338	U	0.00338		mg/Kg		10/18/24 16:31	10/19/24 05:56	1
o-Xylene	<0.00169	U	0.00169		mg/Kg		10/18/24 16:31	10/19/24 05:56	1
Xylenes, Total	<0.00338	U	0.00338		mg/Kg		10/18/24 16:31	10/19/24 05:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				10/18/24 16:31	10/19/24 05:56	1
1,4-Difluorobenzene (Surr)	99		70 - 130				10/18/24 16:31	10/19/24 05:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00338	U	0.00338		mg/Kg			10/19/24 05:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			10/19/24 07:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U **	50.4		mg/Kg		10/18/24 23:09	10/19/24 07:10	1
Diesel Range Organics (Over C10-C28)	<50.4	U **	50.4		mg/Kg		10/18/24 23:09	10/19/24 07:10	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-112 (2.5')

Lab Sample ID: 880-49980-39

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		10/18/24 23:09	10/19/24 07:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				10/18/24 23:09	10/19/24 07:10	1
o-Terphenyl	118		70 - 130				10/18/24 23:09	10/19/24 07:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	79.8		10.1		mg/Kg			10/20/24 22:19	1

Client Sample ID: CS-113 (2.5')

Lab Sample ID: 880-49980-40

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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		10/18/24 16:31	10/19/24 06:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:31	10/19/24 06:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:31	10/19/24 06:17	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/18/24 16:31	10/19/24 06:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:31	10/19/24 06:17	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/18/24 16:31	10/19/24 06:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				10/18/24 16:31	10/19/24 06:17	1
1,4-Difluorobenzene (Surr)	100		70 - 130				10/18/24 16:31	10/19/24 06:17	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			10/19/24 06:17	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			10/19/24 07:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U **	50.0		mg/Kg		10/18/24 23:09	10/19/24 07:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0		mg/Kg		10/18/24 23:09	10/19/24 07:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/18/24 23:09	10/19/24 07:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130				10/18/24 23:09	10/19/24 07:26	1
o-Terphenyl	125		70 - 130				10/18/24 23:09	10/19/24 07:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	325		10.1		mg/Kg			10/20/24 22:24	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-114 (2.5')

Lab Sample ID: 880-49980-41

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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		10/18/24 16:33	10/19/24 00:06	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/18/24 16:33	10/19/24 00:06	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/18/24 16:33	10/19/24 00:06	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/18/24 16:33	10/19/24 00:06	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/18/24 16:33	10/19/24 00:06	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/18/24 16:33	10/19/24 00:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				10/18/24 16:33	10/19/24 00:06	1
1,4-Difluorobenzene (Surr)	100		70 - 130				10/18/24 16:33	10/19/24 00:06	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			10/19/24 00:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			10/19/24 10:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U *	50.5		mg/Kg		10/18/24 23:13	10/19/24 10:21	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		10/18/24 23:13	10/19/24 10:21	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		10/18/24 23:13	10/19/24 10:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130				10/18/24 23:13	10/19/24 10:21	1
o-Terphenyl	109		70 - 130				10/18/24 23:13	10/19/24 10:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	75.5		10.1		mg/Kg			10/21/24 00:23	1

Client Sample ID: CS-115 (2.5')

Lab Sample ID: 880-49980-42

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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		10/18/24 16:33	10/19/24 00:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/18/24 16:33	10/19/24 00:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/18/24 16:33	10/19/24 00:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/18/24 16:33	10/19/24 00:26	1
o-Xylene	0.00212		0.00199		mg/Kg		10/18/24 16:33	10/19/24 00:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/18/24 16:33	10/19/24 00:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				10/18/24 16:33	10/19/24 00:26	1
1,4-Difluorobenzene (Surr)	112		70 - 130				10/18/24 16:33	10/19/24 00:26	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-115 (2.5')

Lab Sample ID: 880-49980-42

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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			10/19/24 00:26	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			10/19/24 09:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U **	49.9		mg/Kg		10/18/24 23:13	10/19/24 09:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/18/24 23:13	10/19/24 09:33	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/18/24 23:13	10/19/24 09:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130				10/18/24 23:13	10/19/24 09:33	1
o-Terphenyl	111		70 - 130				10/18/24 23:13	10/19/24 09:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	253		10.0		mg/Kg			10/21/24 00:39	1

Client Sample ID: CS-116 (2.5')

Lab Sample ID: 880-49980-43

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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		10/18/24 16:33	10/19/24 00:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:33	10/19/24 00:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:33	10/19/24 00:47	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/18/24 16:33	10/19/24 00:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:33	10/19/24 00:47	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/18/24 16:33	10/19/24 00:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130				10/18/24 16:33	10/19/24 00:47	1
1,4-Difluorobenzene (Surr)	115		70 - 130				10/18/24 16:33	10/19/24 00:47	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/19/24 00:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			10/19/24 10:37	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	<50.2	U **	50.2		mg/Kg		10/18/24 23:13	10/19/24 10:37	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		10/18/24 23:13	10/19/24 10:37	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-116 (2.5')

Lab Sample ID: 880-49980-43

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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)	<50.2	U	50.2		mg/Kg		10/18/24 23:13	10/19/24 10:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	144	S1+	70 - 130				10/18/24 23:13	10/19/24 10:37	1
o-Terphenyl	112		70 - 130				10/18/24 23:13	10/19/24 10:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	334		9.96		mg/Kg			10/21/24 00:45	1

Client Sample ID: CS-117 (2.5')

Lab Sample ID: 880-49980-44

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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		10/18/24 16:33	10/19/24 01:07	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/18/24 16:33	10/19/24 01:07	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/18/24 16:33	10/19/24 01:07	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/18/24 16:33	10/19/24 01:07	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/18/24 16:33	10/19/24 01:07	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/18/24 16:33	10/19/24 01:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				10/18/24 16:33	10/19/24 01:07	1
1,4-Difluorobenzene (Surr)	114		70 - 130				10/18/24 16:33	10/19/24 01:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/19/24 01:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			10/19/24 10:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U **	50.4		mg/Kg		10/18/24 23:13	10/19/24 10:54	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		10/18/24 23:13	10/19/24 10:54	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		10/18/24 23:13	10/19/24 10:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				10/18/24 23:13	10/19/24 10:54	1
o-Terphenyl	98		70 - 130				10/18/24 23:13	10/19/24 10:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	62.1		9.96		mg/Kg			10/21/24 01:01	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-118 (2.5')
Date Collected: 10/18/24 00:00
Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-45
Matrix: Solid

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		10/18/24 16:33	10/19/24 01:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:33	10/19/24 01:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:33	10/19/24 01:28	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/18/24 16:33	10/19/24 01:28	1
o-Xylene	0.00300		0.00200		mg/Kg		10/18/24 16:33	10/19/24 01:28	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/18/24 16:33	10/19/24 01:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				10/18/24 16:33	10/19/24 01:28	1
1,4-Difluorobenzene (Surr)	104		70 - 130				10/18/24 16:33	10/19/24 01:28	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			10/19/24 01:28	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			10/19/24 11:09	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U *	50.1		mg/Kg		10/18/24 23:13	10/19/24 11:09	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		10/18/24 23:13	10/19/24 11:09	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		10/18/24 23:13	10/19/24 11:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				10/18/24 23:13	10/19/24 11:09	1
o-Terphenyl	100		70 - 130				10/18/24 23:13	10/19/24 11:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	104		9.98		mg/Kg			10/21/24 01:06	1

Client Sample ID: SW-29 (2.5')
Date Collected: 10/18/24 00:00
Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-46
Matrix: Solid

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		10/18/24 16:33	10/19/24 01:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/18/24 16:33	10/19/24 01:48	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/18/24 16:33	10/19/24 01:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/18/24 16:33	10/19/24 01:48	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/18/24 16:33	10/19/24 01:48	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/18/24 16:33	10/19/24 01:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130				10/18/24 16:33	10/19/24 01:48	1
1,4-Difluorobenzene (Surr)	123		70 - 130				10/18/24 16:33	10/19/24 01:48	1

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-29 (2.5')

Lab Sample ID: 880-49980-46

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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			10/19/24 01:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			10/19/24 11:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U **	50.1		mg/Kg		10/18/24 23:13	10/19/24 11:25	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		10/18/24 23:13	10/19/24 11:25	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		10/18/24 23:13	10/19/24 11:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130				10/18/24 23:13	10/19/24 11:25	1
o-Terphenyl	104		70 - 130				10/18/24 23:13	10/19/24 11:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21.9		10.1		mg/Kg			10/21/24 01:12	1

Client Sample ID: SW-30 (2.5')

Lab Sample ID: 880-49980-47

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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		10/18/24 16:33	10/19/24 02:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/18/24 16:33	10/19/24 02:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/18/24 16:33	10/19/24 02:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/18/24 16:33	10/19/24 02:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/18/24 16:33	10/19/24 02:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/18/24 16:33	10/19/24 02:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	449	S1+	70 - 130				10/18/24 16:33	10/19/24 02:09	1
1,4-Difluorobenzene (Surr)	131	S1+	70 - 130				10/18/24 16:33	10/19/24 02:09	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			10/19/24 02:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/19/24 11:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U **	49.9		mg/Kg		10/18/24 23:13	10/19/24 11:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/18/24 23:13	10/19/24 11:40	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-30 (2.5')

Lab Sample ID: 880-49980-47

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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		10/18/24 23:13	10/19/24 11:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				10/18/24 23:13	10/19/24 11:40	1
o-Terphenyl	103		70 - 130				10/18/24 23:13	10/19/24 11:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.1		10.1		mg/Kg			10/21/24 01:17	1

Client Sample ID: SW-31 (2.5')

Lab Sample ID: 880-49980-48

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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		10/18/24 16:33	10/19/24 02:29	1
Toluene	0.00223		0.00200		mg/Kg		10/18/24 16:33	10/19/24 02:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:33	10/19/24 02:29	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/18/24 16:33	10/19/24 02:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:33	10/19/24 02:29	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/18/24 16:33	10/19/24 02:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	142	S1+	70 - 130				10/18/24 16:33	10/19/24 02:29	1
1,4-Difluorobenzene (Surr)	120		70 - 130				10/18/24 16:33	10/19/24 02:29	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			10/19/24 02:29	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			10/19/24 11:56	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	<50.0	U **	50.0		mg/Kg		10/18/24 23:13	10/19/24 11:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/18/24 23:13	10/19/24 11:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/18/24 23:13	10/19/24 11:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				10/18/24 23:13	10/19/24 11:56	1
o-Terphenyl	99		70 - 130				10/18/24 23:13	10/19/24 11:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	34.4		10.0		mg/Kg			10/21/24 01:22	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-32 (2.5')

Lab Sample ID: 880-49980-49

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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		10/18/24 16:33	10/19/24 02:50	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/18/24 16:33	10/19/24 02:50	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/18/24 16:33	10/19/24 02:50	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/18/24 16:33	10/19/24 02:50	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/18/24 16:33	10/19/24 02:50	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/18/24 16:33	10/19/24 02:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	10/18/24 16:33	10/19/24 02:50	1
1,4-Difluorobenzene (Surr)	120		70 - 130	10/18/24 16:33	10/19/24 02:50	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			10/19/24 02:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/19/24 12:12	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	<49.8	U *	49.8		mg/Kg		10/18/24 23:13	10/19/24 12:12	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/18/24 23:13	10/19/24 12:12	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/18/24 23:13	10/19/24 12:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	10/18/24 23:13	10/19/24 12:12	1
o-Terphenyl	96		70 - 130	10/18/24 23:13	10/19/24 12:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	250		10.0		mg/Kg			10/21/24 01:28	1

Client Sample ID: SW-33 (2.5')

Lab Sample ID: 880-49980-50

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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		10/18/24 16:33	10/19/24 03:10	1
Toluene	0.00334		0.00200		mg/Kg		10/18/24 16:33	10/19/24 03:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:33	10/19/24 03:10	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/18/24 16:33	10/19/24 03:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:33	10/19/24 03:10	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/18/24 16:33	10/19/24 03:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	10/18/24 16:33	10/19/24 03:10	1
1,4-Difluorobenzene (Surr)	109		70 - 130	10/18/24 16:33	10/19/24 03:10	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-33 (2.5')
Date Collected: 10/18/24 00:00
Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-50
Matrix: Solid

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			10/19/24 03:10	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			10/19/24 12:27	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *+	49.8		mg/Kg		10/18/24 23:13	10/19/24 12:27	1	
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/18/24 23:13	10/19/24 12:27	1	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/18/24 23:13	10/19/24 12:27	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	125		70 - 130				10/18/24 23:13	10/19/24 12:27	1	
o-Terphenyl	101		70 - 130				10/18/24 23:13	10/19/24 12:27	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	181		10.1		mg/Kg			10/21/24 01:33	1	

Surrogate Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)
Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
880-49980-1	CS-74 (2.5')	105	100				
880-49980-1 MS	CS-74 (2.5')	103	101				
880-49980-1 MSD	CS-74 (2.5')	109	101				
880-49980-2	CS-75 (2.5')	102	102				
880-49980-3	CS-76 (2.5')	105	101				
880-49980-4	CS-77 (2.5')	103	102				
880-49980-5	CS-78 (2.5')	100	100				
880-49980-6	CS-79 (2.5')	102	100				
880-49980-7	CS-80 (2.5')	100	100				
880-49980-8	CS-81 (2.5')	103	101				
880-49980-9	CS-82 (2.5')	97	98				
880-49980-10	CS-83 (2.5')	104	101				
880-49980-11	CS-84 (2.5')	107	99				
880-49980-12	CS-85 (2.5')	101	101				
880-49980-13	CS-86 (2.5')	104	102				
880-49980-14	CS-87 (2.5')	101	100				
880-49980-15	CS-88 (2.5')	101	100				
880-49980-16	CS-89 (2.5')	106	100				
880-49980-17	CS-90 (2.5')	103	101				
880-49980-18	CS-91 (2.5')	103	100				
880-49980-19	CS-92 (2.5')	104	102				
880-49980-20	CS-93 (2.5')	107	100				
880-49980-21	CS-94 (2.5')	87	101				
880-49980-21 MS	CS-94 (2.5')	93	113				
880-49980-21 MSD	CS-94 (2.5')	95	112				
880-49980-22	CS-95 (2.5')	88	101				
880-49980-23	CS-96 (2.5')	88	101				
880-49980-24	CS-97 (2.5')	89	101				
880-49980-25	CS-98 (2.5')	84	99				
880-49980-26	CS-99 (2.5')	86	99				
880-49980-27	CS-100 (2.5')	89	91				
880-49980-28	CS-101 (2.5')	89	100				
880-49980-29	CS-102 (2.5')	90	102				
880-49980-30	CS-103 (2.5')	91	100				
880-49980-31	CS-104 (2.5')	89	100				
880-49980-32	CS-105 (2.5')	91	100				
880-49980-33	CS-106 (2.5')	91	100				
880-49980-34	CS-107 (2.5')	90	100				
880-49980-35	CS-108 (2.5')	88	98				
880-49980-36	CS-109 (2.5')	91	102				
880-49980-37	CS-110 (2.5')	89	99				
880-49980-38	CS-111 (2.5')	92	102				
880-49980-39	CS-112 (2.5')	91	99				
880-49980-40	CS-113 (2.5')	89	100				
880-49980-41	CS-114 (2.5')	92	100				
880-49980-41 MS	CS-114 (2.5')	106	102				
880-49980-41 MSD	CS-114 (2.5')	108	98				
880-49980-42	CS-115 (2.5')	113	112				
880-49980-43	CS-116 (2.5')	125	115				

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-49980-1

Project/Site: Riverbend 12-13 Federal Com 33H

SDG: Eddy County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-49980-44	CS-117 (2.5')	106	114
880-49980-45	CS-118 (2.5')	123	104
880-49980-46	SW-29 (2.5')	134 S1+	123
880-49980-47	SW-30 (2.5')	449 S1+	131 S1+
880-49980-48	SW-31 (2.5')	142 S1+	120
880-49980-49	SW-32 (2.5')	125	120
880-49980-50	SW-33 (2.5')	123	109
LCS 880-93683/1-A	Lab Control Sample	94	111
LCS 880-93684/1-A	Lab Control Sample	109	98
LCSD 880-93683/2-A	Lab Control Sample Dup	94	114
LCSD 880-93684/2-A	Lab Control Sample Dup	114	104
MB 880-93610/5-A	Method Blank	153 S1+	107
MB 880-93620/5-A	Method Blank	82	99
MB 880-93683/5-A	Method Blank	84	94
MB 880-93684/5-A	Method Blank	149 S1+	102
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB2 (70-130)	DFBZ2 (70-130)
LCS 880-93682/1-A	Lab Control Sample	108	101
LCSD 880-93682/2-A	Lab Control Sample Dup	110	100
MB 880-93611/5-A	Method Blank	99	96
MB 880-93682/5-A	Method Blank	100	95
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-49980-1	CS-74 (2.5')	121	99
880-49980-1 MS	CS-74 (2.5')	112	101
880-49980-1 MSD	CS-74 (2.5')	112	99
880-49980-2	CS-75 (2.5')	129	103
880-49980-3	CS-76 (2.5')	144 S1+	118
880-49980-4	CS-77 (2.5')	148 S1+	120
880-49980-5	CS-78 (2.5')	117	100
880-49980-6	CS-79 (2.5')	112	93
880-49980-7	CS-80 (2.5')	130	108
880-49980-8	CS-81 (2.5')	106	95
880-49980-9	CS-82 (2.5')	115	98

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-49980-1

Project/Site: Riverbend 12-13 Federal Com 33H

SDG: Eddy County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-49980-10	CS-83 (2.5')	119	99
880-49980-11	CS-84 (2.5')	111	92
880-49980-12	CS-85 (2.5')	128	104
880-49980-13	CS-86 (2.5')	128	104
880-49980-14	CS-87 (2.5')	135 S1+	110
880-49980-15	CS-88 (2.5')	137 S1+	110
880-49980-16	CS-89 (2.5')	138 S1+	111
880-49980-17	CS-90 (2.5')	121	100
880-49980-18	CS-91 (2.5')	131 S1+	108
880-49980-19	CS-92 (2.5')	117	98
880-49980-20	CS-93 (2.5')	128	104
880-49980-21	CS-94 (2.5')	143 S1+	135 S1+
880-49980-21 MS	CS-94 (2.5')	135 S1+	136 S1+
880-49980-21 MSD	CS-94 (2.5')	131 S1+	132 S1+
880-49980-22	CS-95 (2.5')	150 S1+	143 S1+
880-49980-23	CS-96 (2.5')	163 S1+	154 S1+
880-49980-24	CS-97 (2.5')	100	94
880-49980-25	CS-98 (2.5')	157 S1+	150 S1+
880-49980-26	CS-99 (2.5')	133 S1+	126
880-49980-27	CS-100 (2.5')	131 S1+	126
880-49980-28	CS-101 (2.5')	133 S1+	129
880-49980-29	CS-102 (2.5')	131 S1+	127
880-49980-30	CS-103 (2.5')	133 S1+	127
880-49980-31	CS-104 (2.5')	126	121
880-49980-32	CS-105 (2.5')	131 S1+	125
880-49980-33	CS-106 (2.5')	147 S1+	138 S1+
880-49980-34	CS-107 (2.5')	144 S1+	137 S1+
880-49980-35	CS-108 (2.5')	149 S1+	143 S1+
880-49980-36	CS-109 (2.5')	144 S1+	139 S1+
880-49980-37	CS-110 (2.5')	140 S1+	136 S1+
880-49980-38	CS-111 (2.5')	147 S1+	141 S1+
880-49980-39	CS-112 (2.5')	117	118
880-49980-40	CS-113 (2.5')	130	125
880-49980-41	CS-114 (2.5')	135 S1+	109
880-49980-42	CS-115 (2.5')	136 S1+	111
880-49980-42 MS	CS-115 (2.5')	124	110
880-49980-42 MSD	CS-115 (2.5')	126	112
880-49980-43	CS-116 (2.5')	144 S1+	112
880-49980-44	CS-117 (2.5')	118	98
880-49980-45	CS-118 (2.5')	119	100
880-49980-46	SW-29 (2.5')	127	104
880-49980-47	SW-30 (2.5')	120	103
880-49980-48	SW-31 (2.5')	117	99
880-49980-49	SW-32 (2.5')	103	96
880-49980-50	SW-33 (2.5')	125	101
LCS 880-93696/2-A	Lab Control Sample	142 S1+	128
LCS 880-93697/2-A	Lab Control Sample	159 S1+	160 S1+
LCS 880-93698/2-A	Lab Control Sample	140 S1+	127
LCSD 880-93696/3-A	Lab Control Sample Dup	142 S1+	128
LCSD 880-93697/3-A	Lab Control Sample Dup	161 S1+	163 S1+

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-49980-1

Project/Site: Riverbend 12-13 Federal Com 33H

SDG: Eddy County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
LCSD 880-93698/3-A	Lab Control Sample Dup	143 S1+	130
MB 880-93696/1-A	Method Blank	125	109
MB 880-93697/1-A	Method Blank	170 S1+	162 S1+
MB 880-93698/1-A	Method Blank	100	79
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-93610/5-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 93630							Prep Batch: 93610		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:03	10/18/24 12:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:03	10/18/24 12:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:03	10/18/24 12:01	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/18/24 08:03	10/18/24 12:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:03	10/18/24 12:01	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/18/24 08:03	10/18/24 12:01	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	153	S1+	70 - 130				10/18/24 08:03	10/18/24 12:01	1
1,4-Difluorobenzene (Surr)	107		70 - 130				10/18/24 08:03	10/18/24 12:01	1

Lab Sample ID: MB 880-93611/5-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 93627							Prep Batch: 93611		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:04	10/18/24 11:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:04	10/18/24 11:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:04	10/18/24 11:58	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/18/24 08:04	10/18/24 11:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:04	10/18/24 11:58	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/18/24 08:04	10/18/24 11:58	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				10/18/24 08:04	10/18/24 11:58	1
1,4-Difluorobenzene (Surr)	96		70 - 130				10/18/24 08:04	10/18/24 11:58	1

Lab Sample ID: MB 880-93620/5-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 93629							Prep Batch: 93620		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:43	10/18/24 11:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:43	10/18/24 11:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:43	10/18/24 11:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/18/24 08:43	10/18/24 11:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:43	10/18/24 11:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/18/24 08:43	10/18/24 11:42	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130				10/18/24 08:43	10/18/24 11:42	1
1,4-Difluorobenzene (Surr)	99		70 - 130				10/18/24 08:43	10/18/24 11:42	1

QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-93682/5-A
Matrix: Solid
Analysis Batch: 93627

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 93682

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:30	10/18/24 23:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:30	10/18/24 23:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:30	10/18/24 23:33	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/18/24 16:30	10/18/24 23:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:30	10/18/24 23:33	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/18/24 16:30	10/18/24 23:33	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	10/18/24 16:30	10/18/24 23:33	1
1,4-Difluorobenzene (Surr)	95		70 - 130	10/18/24 16:30	10/18/24 23:33	1

Lab Sample ID: LCS 880-93682/1-A
Matrix: Solid
Analysis Batch: 93627

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 93682

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09112		mg/Kg		91	70 - 130
Toluene	0.100	0.08998		mg/Kg		90	70 - 130
Ethylbenzene	0.100	0.09822		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	0.200	0.1829		mg/Kg		91	70 - 130
o-Xylene	0.100	0.1022		mg/Kg		102	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-93682/2-A
Matrix: Solid
Analysis Batch: 93627

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 93682

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09149		mg/Kg		91	70 - 130	0	35
Toluene	0.100	0.09221		mg/Kg		92	70 - 130	2	35
Ethylbenzene	0.100	0.09998		mg/Kg		100	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.1855		mg/Kg		93	70 - 130	1	35
o-Xylene	0.100	0.1041		mg/Kg		104	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 880-49980-1 MS
Matrix: Solid
Analysis Batch: 93627

Client Sample ID: CS-74 (2.5')
Prep Type: Total/NA
Prep Batch: 93682

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.08698		mg/Kg		87	70 - 130
Toluene	<0.00201	U	0.100	0.08470		mg/Kg		85	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-49980-1 MS

Matrix: Solid

Analysis Batch: 93627

Client Sample ID: CS-74 (2.5')

Prep Type: Total/NA

Prep Batch: 93682

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.100	0.08927		mg/Kg		89	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1648		mg/Kg		82	70 - 130
o-Xylene	<0.00201	U	0.100	0.09046		mg/Kg		90	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-49980-1 MSD

Matrix: Solid

Analysis Batch: 93627

Client Sample ID: CS-74 (2.5')

Prep Type: Total/NA

Prep Batch: 93682

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.09215		mg/Kg		92	70 - 130	6	35
Toluene	<0.00201	U	0.100	0.08998		mg/Kg		90	70 - 130	6	35
Ethylbenzene	<0.00201	U	0.100	0.09565		mg/Kg		96	70 - 130	7	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1767		mg/Kg		88	70 - 130	7	35
o-Xylene	<0.00201	U	0.100	0.09720		mg/Kg		97	70 - 130	7	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: MB 880-93683/5-A

Matrix: Solid

Analysis Batch: 93629

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 93683

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:31	10/18/24 22:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:31	10/18/24 22:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:31	10/18/24 22:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/18/24 16:31	10/18/24 22:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:31	10/18/24 22:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/18/24 16:31	10/18/24 22:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	10/18/24 16:31	10/18/24 22:21	1
1,4-Difluorobenzene (Surr)	94		70 - 130	10/18/24 16:31	10/18/24 22:21	1

Lab Sample ID: LCS 880-93683/1-A

Matrix: Solid

Analysis Batch: 93629

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 93683

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09556		mg/Kg		96	70 - 130
Toluene	0.100	0.08765		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.09028		mg/Kg		90	70 - 130
m-Xylene & p-Xylene	0.200	0.1716		mg/Kg		86	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-93683/1-A

Matrix: Solid

Analysis Batch: 93629

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 93683

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.08485		mg/Kg		85	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: LCSD 880-93683/2-A

Matrix: Solid

Analysis Batch: 93629

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 93683

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09844		mg/Kg		98	70 - 130	3	35
Toluene	0.100	0.08844		mg/Kg		88	70 - 130	1	35
Ethylbenzene	0.100	0.09025		mg/Kg		90	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.1714		mg/Kg		86	70 - 130	0	35
o-Xylene	0.100	0.08477		mg/Kg		85	70 - 130	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	114		70 - 130

Lab Sample ID: 880-49980-21 MS

Matrix: Solid

Analysis Batch: 93629

Client Sample ID: CS-94 (2.5')

Prep Type: Total/NA

Prep Batch: 93683

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.09485		mg/Kg		95	70 - 130
Toluene	<0.00201	U	0.100	0.08374		mg/Kg		84	70 - 130
Ethylbenzene	<0.00201	U	0.100	0.08373		mg/Kg		84	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1595		mg/Kg		80	70 - 130
o-Xylene	<0.00201	U	0.100	0.07879		mg/Kg		79	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: 880-49980-21 MSD

Matrix: Solid

Analysis Batch: 93629

Client Sample ID: CS-94 (2.5')

Prep Type: Total/NA

Prep Batch: 93683

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.09071		mg/Kg		91	70 - 130	4	35
Toluene	<0.00201	U	0.100	0.08124		mg/Kg		81	70 - 130	3	35
Ethylbenzene	<0.00201	U	0.100	0.08076		mg/Kg		81	70 - 130	4	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1538		mg/Kg		77	70 - 130	4	35
o-Xylene	<0.00201	U	0.100	0.07593		mg/Kg		76	70 - 130	4	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-49980-21 MSD
Matrix: Solid
Analysis Batch: 93629

Client Sample ID: CS-94 (2.5')
Prep Type: Total/NA
Prep Batch: 93683

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: MB 880-93684/5-A
Matrix: Solid
Analysis Batch: 93630

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 93684

Analyte	MB	MB							
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:33	10/18/24 23:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:33	10/18/24 23:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:33	10/18/24 23:38	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/18/24 16:33	10/18/24 23:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/18/24 16:33	10/18/24 23:38	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/18/24 16:33	10/18/24 23:38	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	149	S1+	70 - 130				10/18/24 16:33	10/18/24 23:38	1
1,4-Difluorobenzene (Surr)	102		70 - 130				10/18/24 16:33	10/18/24 23:38	1

Lab Sample ID: LCS 880-93684/1-A
Matrix: Solid
Analysis Batch: 93630

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 93684

Analyte	Spike	LCS	LCS					%Rec	
	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	0.100	0.1027		mg/Kg		103	70 - 130		
Toluene	0.100	0.1019		mg/Kg		102	70 - 130		
Ethylbenzene	0.100	0.1072		mg/Kg		107	70 - 130		
m-Xylene & p-Xylene	0.200	0.2235		mg/Kg		112	70 - 130		
o-Xylene	0.100	0.1290		mg/Kg		129	70 - 130		

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: LCSD 880-93684/2-A
Matrix: Solid
Analysis Batch: 93630

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 93684

Analyte	Spike	LCSD	LCSD					%Rec		RPD
	Added	Result	Qualifier	Unit	D	%Rec	Limits		RPD	Limit
Benzene	0.100	0.1087		mg/Kg		109	70 - 130		6	35
Toluene	0.100	0.1068		mg/Kg		107	70 - 130		5	35
Ethylbenzene	0.100	0.1161		mg/Kg		116	70 - 130		8	35
m-Xylene & p-Xylene	0.200	0.2482		mg/Kg		124	70 - 130		10	35
o-Xylene	0.100	0.1285		mg/Kg		129	70 - 130		0	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-93684/2-A

Matrix: Solid

Analysis Batch: 93630

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 93684

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

Lab Sample ID: 880-49980-41 MS

Matrix: Solid

Analysis Batch: 93630

Client Sample ID: CS-114 (2.5')

Prep Type: Total/NA

Prep Batch: 93684

	Sample	Sample	Spike	MS	MS			%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	<0.00201	U	0.100	0.09961		mg/Kg		100	70 - 130
Toluene	<0.00201	U	0.100	0.09910		mg/Kg		99	70 - 130
Ethylbenzene	<0.00201	U	0.100	0.09641		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2006		mg/Kg		100	70 - 130
o-Xylene	<0.00201	U	0.100	0.1119		mg/Kg		112	70 - 130

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

Lab Sample ID: 880-49980-41 MSD

Matrix: Solid

Analysis Batch: 93630

Client Sample ID: CS-114 (2.5')

Prep Type: Total/NA

Prep Batch: 93684

	Sample	Sample	Spike	MSD	MSD			%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00201	U	0.100	0.09667		mg/Kg		97	70 - 130	3	35
Toluene	<0.00201	U	0.100	0.09256		mg/Kg		93	70 - 130	7	35
Ethylbenzene	<0.00201	U	0.100	0.1022		mg/Kg		102	70 - 130	6	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2219		mg/Kg		111	70 - 130	10	35
o-Xylene	<0.00201	U	0.100	0.1173		mg/Kg		117	70 - 130	5	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

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

Lab Sample ID: MB 880-93696/1-A

Matrix: Solid

Analysis Batch: 93699

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 93696

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/18/24 23:04	10/18/24 23:36		1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/18/24 23:04	10/18/24 23:36		1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/18/24 23:04	10/18/24 23:36		1

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac			
1-Chlorooctane	125		70 - 130	10/18/24 23:04	10/18/24 23:36		1			
o-Terphenyl	109		70 - 130	10/18/24 23:04	10/18/24 23:36		1			

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QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-93696/2-A

Matrix: Solid

Analysis Batch: 93699

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 93696

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1353	*+	mg/Kg		135	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1191		mg/Kg		119	70 - 130
		LCS	LCS				
		%Recovery	Qualifier				
Surrogate			Limits				
1-Chlorooctane		142	S1+				
o-Terphenyl		128					

Lab Sample ID: LCSD 880-93696/3-A

Matrix: Solid

Analysis Batch: 93699

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 93696

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1356	*+	mg/Kg		136	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	1154		mg/Kg		115	70 - 130	3	20
		LCSD	LCSD						
		%Recovery	Qualifier						
Surrogate			Limits						
1-Chlorooctane		142	S1+						
o-Terphenyl		128							

Lab Sample ID: 880-49980-1 MS

Matrix: Solid

Analysis Batch: 93699

Client Sample ID: CS-74 (2.5')

Prep Type: Total/NA

Prep Batch: 93696

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.4	U *+	1010	920.8		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	<50.4	U	1010	743.4		mg/Kg		74	70 - 130
		MS	MS						
		%Recovery	Qualifier						
Surrogate			Limits						
1-Chlorooctane		112							
o-Terphenyl		101							

Lab Sample ID: 880-49980-1 MSD

Matrix: Solid

Analysis Batch: 93699

Client Sample ID: CS-74 (2.5')

Prep Type: Total/NA

Prep Batch: 93696

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	<50.4	U *+	1010	925.3		mg/Kg		92	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<50.4	U	1010	758.7		mg/Kg		75	70 - 130	2	20
		MSD	MSD								
		%Recovery	Qualifier								
Surrogate			Limits								
1-Chlorooctane		112									

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QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-49980-1 MSD
Matrix: Solid
Analysis Batch: 93699

Client Sample ID: CS-74 (2.5')
Prep Type: Total/NA
Prep Batch: 93696

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	99		70 - 130

Lab Sample ID: MB 880-93697/1-A
Matrix: Solid
Analysis Batch: 93701

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 93697

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		10/18/24 23:09	10/18/24 23:36	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/18/24 23:09	10/18/24 23:36	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/18/24 23:09	10/18/24 23:36	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
1-Chlorooctane	170	S1+	70 - 130				10/18/24 23:09	10/18/24 23:36	1	
<i>o</i> -Terphenyl	162	S1+	70 - 130				10/18/24 23:09	10/18/24 23:36	1	

Lab Sample ID: LCS 880-93697/2-A
Matrix: Solid
Analysis Batch: 93701

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 93697

Analyte	Spike	LCS	LCS					%Rec		
	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Gasoline Range Organics (GRO)-C6-C10	1000	1404	*+	mg/Kg		140	70 - 130			
Diesel Range Organics (Over C10-C28)	1000	1396	*+	mg/Kg		140	70 - 130			
Surrogate		LCS	LCS							
	%Recovery	Qualifier	Limits							
1-Chlorooctane	159	S1+	70 - 130							
<i>o</i> -Terphenyl	160	S1+	70 - 130							

Lab Sample ID: LCSD 880-93697/3-A
Matrix: Solid
Analysis Batch: 93701

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 93697

Analyte	Spike	LCSD	LCSD				%Rec		RPD	
	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	1000	1432	*+	mg/Kg		143	70 - 130	2	20	
Diesel Range Organics (Over C10-C28)	1000	1416	*+	mg/Kg		142	70 - 130	1	20	
Surrogate		LCSD	LCSD							
	%Recovery	Qualifier	Limits							
1-Chlorooctane	161	S1+	70 - 130							
<i>o</i> -Terphenyl	163	S1+	70 - 130							

QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-49980-21 MS

Matrix: Solid

Analysis Batch: 93701

Client Sample ID: CS-94 (2.5')

Prep Type: Total/NA

Prep Batch: 93697

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec		
	Result	Qualifier	Added	Result	Qualifier				Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *+	1000	991.6		mg/Kg		99	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.8	U *+	1000	908.4		mg/Kg		91	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	135	S1+	70 - 130								
o-Terphenyl	136	S1+	70 - 130								

Lab Sample ID: 880-49980-21 MSD

Matrix: Solid

Analysis Batch: 93701

Client Sample ID: CS-94 (2.5')

Prep Type: Total/NA

Prep Batch: 93697

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U +*	1000	973.3		mg/Kg		97	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.8	U +*	1000	894.9		mg/Kg		89	70 - 130	2	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	131	S1+	70 - 130								
o-Terphenyl	132	S1+	70 - 130								

Lab Sample ID: MB 880-93698/1-A

Matrix: Solid

Analysis Batch: 93699

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 93698

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/18/24 23:13	10/19/24 08:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/18/24 23:13	10/19/24 08:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/18/24 23:13	10/19/24 08:45	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
1-Chlorooctane	100		70 - 130				10/18/24 23:13	10/19/24 08:45	1
o-Terphenyl	79		70 - 130				10/18/24 23:13	10/19/24 08:45	1

Lab Sample ID: LCS 880-93698/2-A

Matrix: Solid

Analysis Batch: 93699

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 93698

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
	Added	Result	Qualifier				Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1341	*+	mg/Kg		134	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1153		mg/Kg		115	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-93698/2-A
Matrix: Solid
Analysis Batch: 93699

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 93698

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	140	S1+	70 - 130
o-Terphenyl	127		70 - 130

Lab Sample ID: LCSD 880-93698/3-A
Matrix: Solid
Analysis Batch: 93699

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 93698

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1361	*+	mg/Kg		136	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	1201		mg/Kg		120	70 - 130	4	20
Surrogate		LCSD %Recovery	LCSD Qualifier	Limits					
1-Chlorooctane		143	S1+	70 - 130					
o-Terphenyl		130		70 - 130					

Lab Sample ID: 880-49980-42 MS
Matrix: Solid
Analysis Batch: 93699

Client Sample ID: CS-115 (2.5')
Prep Type: Total/NA
Prep Batch: 93698

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+	1010	960.8		mg/Kg		96	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	1010	753.2		mg/Kg		75	70 - 130		
Surrogate		MS %Recovery	MS Qualifier	Limits							
1-Chlorooctane		124		70 - 130							
o-Terphenyl		110		70 - 130							

Lab Sample ID: 880-49980-42 MSD
Matrix: Solid
Analysis Batch: 93699

Client Sample ID: CS-115 (2.5')
Prep Type: Total/NA
Prep Batch: 93698

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 *+	1010	993.5		mg/Kg		99	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1010	794.5		mg/Kg		79	70 - 130	5	20
Surrogate		MSD %Recovery	MSD Qualifier	Limits							
1-Chlorooctane		126		70 - 130							
o-Terphenyl		112		70 - 130							

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QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-93687/1-A											Client Sample ID: Method Blank	
Matrix: Solid											Prep Type: Soluble	
Analysis Batch: 93716												
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac			
Chloride	<10.0	U	10.0		mg/Kg			10/20/24 16:33	1			
Lab Sample ID: LCS 880-93687/2-A											Client Sample ID: Lab Control Sample	
Matrix: Solid											Prep Type: Soluble	
Analysis Batch: 93716												
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits			
Chloride			250	233.7		mg/Kg		93	90 - 110			
Lab Sample ID: LCSD 880-93687/3-A											Client Sample ID: Lab Control Sample Dup	
Matrix: Solid											Prep Type: Soluble	
Analysis Batch: 93716												
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits			
Chloride			250	234.8		mg/Kg		94	90 - 110			
Lab Sample ID: 880-49980-1 MS											Client Sample ID: CS-74 (2.5')	
Matrix: Solid											Prep Type: Soluble	
Analysis Batch: 93716												
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits			
Chloride	117		251	370.6		mg/Kg		101	90 - 110			
Lab Sample ID: 880-49980-1 MSD											Client Sample ID: CS-74 (2.5')	
Matrix: Solid											Prep Type: Soluble	
Analysis Batch: 93716												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits			
Chloride	117		251	372.1		mg/Kg		102	90 - 110			
Lab Sample ID: 880-49980-11 MS											Client Sample ID: CS-84 (2.5')	
Matrix: Solid											Prep Type: Soluble	
Analysis Batch: 93716												
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits			
Chloride	18.3		248	252.9		mg/Kg		95	90 - 110			
Lab Sample ID: 880-49980-11 MSD											Client Sample ID: CS-84 (2.5')	
Matrix: Solid											Prep Type: Soluble	
Analysis Batch: 93716												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits			
Chloride	18.3		248	253.2		mg/Kg		95	90 - 110			
Lab Sample ID: MB 880-93689/1-A											Client Sample ID: Method Blank	
Matrix: Solid											Prep Type: Soluble	
Analysis Batch: 93717												
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac			
Chloride	<10.0	U	10.0		mg/Kg			10/20/24 19:43	1			

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QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-93689/2-A
Matrix: Solid
Analysis Batch: 93717

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	237.9		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-93689/3-A
Matrix: Solid
Analysis Batch: 93717

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	238.9		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 880-49980-21 MS
Matrix: Solid
Analysis Batch: 93717

Client Sample ID: CS-94 (2.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	49.6		249	289.1		mg/Kg		96	90 - 110

Lab Sample ID: 880-49980-21 MSD
Matrix: Solid
Analysis Batch: 93717

Client Sample ID: CS-94 (2.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	49.6		249	289.1		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 880-49980-31 MS
Matrix: Solid
Analysis Batch: 93717

Client Sample ID: CS-104 (2.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	43.3		252	293.9		mg/Kg		100	90 - 110

Lab Sample ID: 880-49980-31 MSD
Matrix: Solid
Analysis Batch: 93717

Client Sample ID: CS-104 (2.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	43.3		252	285.8		mg/Kg		96	90 - 110	3	20

Lab Sample ID: MB 880-93681/1-A
Matrix: Solid
Analysis Batch: 93718

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			10/20/24 22:51	1

Lab Sample ID: LCS 880-93681/2-A
Matrix: Solid
Analysis Batch: 93718

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	237.6		mg/Kg		95	90 - 110

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QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-93681/3-A				Client Sample ID: Lab Control Sample Dup							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 93718											
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	230.2		mg/Kg		92	90 - 110	3	20

Lab Sample ID: 880-49980-41 MS				Client Sample ID: CS-114 (2.5')							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 93718											
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	75.5		253	331.0		mg/Kg		101	90 - 110		

Lab Sample ID: 880-49980-41 MSD				Client Sample ID: CS-114 (2.5')							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 93718											
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	75.5		253	324.1		mg/Kg		98	90 - 110	2	20

QC Association Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 93610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-93610/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 93611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-93611/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 93620

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-93620/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 93627

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49980-1	CS-74 (2.5')	Total/NA	Solid	8021B	93682
880-49980-2	CS-75 (2.5')	Total/NA	Solid	8021B	93682
880-49980-3	CS-76 (2.5')	Total/NA	Solid	8021B	93682
880-49980-4	CS-77 (2.5')	Total/NA	Solid	8021B	93682
880-49980-5	CS-78 (2.5')	Total/NA	Solid	8021B	93682
880-49980-6	CS-79 (2.5')	Total/NA	Solid	8021B	93682
880-49980-7	CS-80 (2.5')	Total/NA	Solid	8021B	93682
880-49980-8	CS-81 (2.5')	Total/NA	Solid	8021B	93682
880-49980-9	CS-82 (2.5')	Total/NA	Solid	8021B	93682
880-49980-10	CS-83 (2.5')	Total/NA	Solid	8021B	93682
880-49980-11	CS-84 (2.5')	Total/NA	Solid	8021B	93682
880-49980-12	CS-85 (2.5')	Total/NA	Solid	8021B	93682
880-49980-13	CS-86 (2.5')	Total/NA	Solid	8021B	93682
880-49980-14	CS-87 (2.5')	Total/NA	Solid	8021B	93682
880-49980-15	CS-88 (2.5')	Total/NA	Solid	8021B	93682
880-49980-16	CS-89 (2.5')	Total/NA	Solid	8021B	93682
880-49980-17	CS-90 (2.5')	Total/NA	Solid	8021B	93682
880-49980-18	CS-91 (2.5')	Total/NA	Solid	8021B	93682
880-49980-19	CS-92 (2.5')	Total/NA	Solid	8021B	93682
880-49980-20	CS-93 (2.5')	Total/NA	Solid	8021B	93682
MB 880-93611/5-A	Method Blank	Total/NA	Solid	8021B	93611
MB 880-93682/5-A	Method Blank	Total/NA	Solid	8021B	93682
LCS 880-93682/1-A	Lab Control Sample	Total/NA	Solid	8021B	93682
LCSD 880-93682/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	93682
880-49980-1 MS	CS-74 (2.5')	Total/NA	Solid	8021B	93682
880-49980-1 MSD	CS-74 (2.5')	Total/NA	Solid	8021B	93682

Analysis Batch: 93629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49980-21	CS-94 (2.5')	Total/NA	Solid	8021B	93683
880-49980-22	CS-95 (2.5')	Total/NA	Solid	8021B	93683
880-49980-23	CS-96 (2.5')	Total/NA	Solid	8021B	93683
880-49980-24	CS-97 (2.5')	Total/NA	Solid	8021B	93683
880-49980-25	CS-98 (2.5')	Total/NA	Solid	8021B	93683
880-49980-26	CS-99 (2.5')	Total/NA	Solid	8021B	93683
880-49980-27	CS-100 (2.5')	Total/NA	Solid	8021B	93683
880-49980-28	CS-101 (2.5')	Total/NA	Solid	8021B	93683
880-49980-29	CS-102 (2.5')	Total/NA	Solid	8021B	93683
880-49980-30	CS-103 (2.5')	Total/NA	Solid	8021B	93683

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QC Association Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

GC VOA (Continued)

Analysis Batch: 93629 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49980-31	CS-104 (2.5')	Total/NA	Solid	8021B	93683
880-49980-32	CS-105 (2.5')	Total/NA	Solid	8021B	93683
880-49980-33	CS-106 (2.5')	Total/NA	Solid	8021B	93683
880-49980-34	CS-107 (2.5')	Total/NA	Solid	8021B	93683
880-49980-35	CS-108 (2.5')	Total/NA	Solid	8021B	93683
880-49980-36	CS-109 (2.5')	Total/NA	Solid	8021B	93683
880-49980-37	CS-110 (2.5')	Total/NA	Solid	8021B	93683
880-49980-38	CS-111 (2.5')	Total/NA	Solid	8021B	93683
880-49980-39	CS-112 (2.5')	Total/NA	Solid	8021B	93683
880-49980-40	CS-113 (2.5')	Total/NA	Solid	8021B	93683
MB 880-93620/5-A	Method Blank	Total/NA	Solid	8021B	93620
MB 880-93683/5-A	Method Blank	Total/NA	Solid	8021B	93683
LCS 880-93683/1-A	Lab Control Sample	Total/NA	Solid	8021B	93683
LCSD 880-93683/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	93683
880-49980-21 MS	CS-94 (2.5')	Total/NA	Solid	8021B	93683
880-49980-21 MSD	CS-94 (2.5')	Total/NA	Solid	8021B	93683

Analysis Batch: 93630

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49980-41	CS-114 (2.5')	Total/NA	Solid	8021B	93684
880-49980-42	CS-115 (2.5')	Total/NA	Solid	8021B	93684
880-49980-43	CS-116 (2.5')	Total/NA	Solid	8021B	93684
880-49980-44	CS-117 (2.5')	Total/NA	Solid	8021B	93684
880-49980-45	CS-118 (2.5')	Total/NA	Solid	8021B	93684
880-49980-46	SW-29 (2.5')	Total/NA	Solid	8021B	93684
880-49980-47	SW-30 (2.5')	Total/NA	Solid	8021B	93684
880-49980-48	SW-31 (2.5')	Total/NA	Solid	8021B	93684
880-49980-49	SW-32 (2.5')	Total/NA	Solid	8021B	93684
880-49980-50	SW-33 (2.5')	Total/NA	Solid	8021B	93684
MB 880-93610/5-A	Method Blank	Total/NA	Solid	8021B	93610
MB 880-93684/5-A	Method Blank	Total/NA	Solid	8021B	93684
LCS 880-93684/1-A	Lab Control Sample	Total/NA	Solid	8021B	93684
LCSD 880-93684/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	93684
880-49980-41 MS	CS-114 (2.5')	Total/NA	Solid	8021B	93684
880-49980-41 MSD	CS-114 (2.5')	Total/NA	Solid	8021B	93684

Prep Batch: 93682

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49980-1	CS-74 (2.5')	Total/NA	Solid	5035	
880-49980-2	CS-75 (2.5')	Total/NA	Solid	5035	
880-49980-3	CS-76 (2.5')	Total/NA	Solid	5035	
880-49980-4	CS-77 (2.5')	Total/NA	Solid	5035	
880-49980-5	CS-78 (2.5')	Total/NA	Solid	5035	
880-49980-6	CS-79 (2.5')	Total/NA	Solid	5035	
880-49980-7	CS-80 (2.5')	Total/NA	Solid	5035	
880-49980-8	CS-81 (2.5')	Total/NA	Solid	5035	
880-49980-9	CS-82 (2.5')	Total/NA	Solid	5035	
880-49980-10	CS-83 (2.5')	Total/NA	Solid	5035	
880-49980-11	CS-84 (2.5')	Total/NA	Solid	5035	
880-49980-12	CS-85 (2.5')	Total/NA	Solid	5035	
880-49980-13	CS-86 (2.5')	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

GC VOA (Continued)

Prep Batch: 93682 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49980-14	CS-87 (2.5')	Total/NA	Solid	5035	
880-49980-15	CS-88 (2.5')	Total/NA	Solid	5035	
880-49980-16	CS-89 (2.5')	Total/NA	Solid	5035	
880-49980-17	CS-90 (2.5')	Total/NA	Solid	5035	
880-49980-18	CS-91 (2.5')	Total/NA	Solid	5035	
880-49980-19	CS-92 (2.5')	Total/NA	Solid	5035	
880-49980-20	CS-93 (2.5')	Total/NA	Solid	5035	
MB 880-93682/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-93682/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-93682/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-49980-1 MS	CS-74 (2.5')	Total/NA	Solid	5035	
880-49980-1 MSD	CS-74 (2.5')	Total/NA	Solid	5035	

Prep Batch: 93683

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49980-21	CS-94 (2.5')	Total/NA	Solid	5035	
880-49980-22	CS-95 (2.5')	Total/NA	Solid	5035	
880-49980-23	CS-96 (2.5')	Total/NA	Solid	5035	
880-49980-24	CS-97 (2.5')	Total/NA	Solid	5035	
880-49980-25	CS-98 (2.5')	Total/NA	Solid	5035	
880-49980-26	CS-99 (2.5')	Total/NA	Solid	5035	
880-49980-27	CS-100 (2.5')	Total/NA	Solid	5035	
880-49980-28	CS-101 (2.5')	Total/NA	Solid	5035	
880-49980-29	CS-102 (2.5')	Total/NA	Solid	5035	
880-49980-30	CS-103 (2.5')	Total/NA	Solid	5035	
880-49980-31	CS-104 (2.5')	Total/NA	Solid	5035	
880-49980-32	CS-105 (2.5')	Total/NA	Solid	5035	
880-49980-33	CS-106 (2.5')	Total/NA	Solid	5035	
880-49980-34	CS-107 (2.5')	Total/NA	Solid	5035	
880-49980-35	CS-108 (2.5')	Total/NA	Solid	5035	
880-49980-36	CS-109 (2.5')	Total/NA	Solid	5035	
880-49980-37	CS-110 (2.5')	Total/NA	Solid	5035	
880-49980-38	CS-111 (2.5')	Total/NA	Solid	5035	
880-49980-39	CS-112 (2.5')	Total/NA	Solid	5035	
880-49980-40	CS-113 (2.5')	Total/NA	Solid	5035	
MB 880-93683/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-93683/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-93683/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-49980-21 MS	CS-94 (2.5')	Total/NA	Solid	5035	
880-49980-21 MSD	CS-94 (2.5')	Total/NA	Solid	5035	

Prep Batch: 93684

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49980-41	CS-114 (2.5')	Total/NA	Solid	5035	
880-49980-42	CS-115 (2.5')	Total/NA	Solid	5035	
880-49980-43	CS-116 (2.5')	Total/NA	Solid	5035	
880-49980-44	CS-117 (2.5')	Total/NA	Solid	5035	
880-49980-45	CS-118 (2.5')	Total/NA	Solid	5035	
880-49980-46	SW-29 (2.5')	Total/NA	Solid	5035	
880-49980-47	SW-30 (2.5')	Total/NA	Solid	5035	
880-49980-48	SW-31 (2.5')	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

GC VOA (Continued)

Prep Batch: 93684 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49980-49	SW-32 (2.5')	Total/NA	Solid	5035	
880-49980-50	SW-33 (2.5')	Total/NA	Solid	5035	
MB 880-93684/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-93684/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-93684/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-49980-41 MS	CS-114 (2.5')	Total/NA	Solid	5035	
880-49980-41 MSD	CS-114 (2.5')	Total/NA	Solid	5035	

Analysis Batch: 93767

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49980-1	CS-74 (2.5')	Total/NA	Solid	Total BTEX	
880-49980-2	CS-75 (2.5')	Total/NA	Solid	Total BTEX	
880-49980-3	CS-76 (2.5')	Total/NA	Solid	Total BTEX	
880-49980-4	CS-77 (2.5')	Total/NA	Solid	Total BTEX	
880-49980-5	CS-78 (2.5')	Total/NA	Solid	Total BTEX	
880-49980-6	CS-79 (2.5')	Total/NA	Solid	Total BTEX	
880-49980-7	CS-80 (2.5')	Total/NA	Solid	Total BTEX	
880-49980-8	CS-81 (2.5')	Total/NA	Solid	Total BTEX	
880-49980-9	CS-82 (2.5')	Total/NA	Solid	Total BTEX	
880-49980-10	CS-83 (2.5')	Total/NA	Solid	Total BTEX	
880-49980-11	CS-84 (2.5')	Total/NA	Solid	Total BTEX	
880-49980-12	CS-85 (2.5')	Total/NA	Solid	Total BTEX	
880-49980-13	CS-86 (2.5')	Total/NA	Solid	Total BTEX	
880-49980-14	CS-87 (2.5')	Total/NA	Solid	Total BTEX	
880-49980-15	CS-88 (2.5')	Total/NA	Solid	Total BTEX	
880-49980-16	CS-89 (2.5')	Total/NA	Solid	Total BTEX	
880-49980-17	CS-90 (2.5')	Total/NA	Solid	Total BTEX	
880-49980-18	CS-91 (2.5')	Total/NA	Solid	Total BTEX	
880-49980-19	CS-92 (2.5')	Total/NA	Solid	Total BTEX	
880-49980-20	CS-93 (2.5')	Total/NA	Solid	Total BTEX	
880-49980-21	CS-94 (2.5')	Total/NA	Solid	Total BTEX	
880-49980-22	CS-95 (2.5')	Total/NA	Solid	Total BTEX	
880-49980-23	CS-96 (2.5')	Total/NA	Solid	Total BTEX	
880-49980-24	CS-97 (2.5')	Total/NA	Solid	Total BTEX	
880-49980-25	CS-98 (2.5')	Total/NA	Solid	Total BTEX	
880-49980-26	CS-99 (2.5')	Total/NA	Solid	Total BTEX	
880-49980-27	CS-100 (2.5')	Total/NA	Solid	Total BTEX	
880-49980-28	CS-101 (2.5')	Total/NA	Solid	Total BTEX	
880-49980-29	CS-102 (2.5')	Total/NA	Solid	Total BTEX	
880-49980-30	CS-103 (2.5')	Total/NA	Solid	Total BTEX	
880-49980-31	CS-104 (2.5')	Total/NA	Solid	Total BTEX	
880-49980-32	CS-105 (2.5')	Total/NA	Solid	Total BTEX	
880-49980-33	CS-106 (2.5')	Total/NA	Solid	Total BTEX	
880-49980-34	CS-107 (2.5')	Total/NA	Solid	Total BTEX	
880-49980-35	CS-108 (2.5')	Total/NA	Solid	Total BTEX	
880-49980-36	CS-109 (2.5')	Total/NA	Solid	Total BTEX	
880-49980-37	CS-110 (2.5')	Total/NA	Solid	Total BTEX	
880-49980-38	CS-111 (2.5')	Total/NA	Solid	Total BTEX	
880-49980-39	CS-112 (2.5')	Total/NA	Solid	Total BTEX	
880-49980-40	CS-113 (2.5')	Total/NA	Solid	Total BTEX	
880-49980-41	CS-114 (2.5')	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

GC VOA (Continued)

Analysis Batch: 93767 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49980-42	CS-115 (2.5')	Total/NA	Solid	Total BTEX	
880-49980-43	CS-116 (2.5')	Total/NA	Solid	Total BTEX	
880-49980-44	CS-117 (2.5')	Total/NA	Solid	Total BTEX	
880-49980-45	CS-118 (2.5')	Total/NA	Solid	Total BTEX	
880-49980-46	SW-29 (2.5')	Total/NA	Solid	Total BTEX	
880-49980-47	SW-30 (2.5')	Total/NA	Solid	Total BTEX	
880-49980-48	SW-31 (2.5')	Total/NA	Solid	Total BTEX	
880-49980-49	SW-32 (2.5')	Total/NA	Solid	Total BTEX	
880-49980-50	SW-33 (2.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 93696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49980-1	CS-74 (2.5')	Total/NA	Solid	8015NM Prep	
880-49980-2	CS-75 (2.5')	Total/NA	Solid	8015NM Prep	
880-49980-3	CS-76 (2.5')	Total/NA	Solid	8015NM Prep	
880-49980-4	CS-77 (2.5')	Total/NA	Solid	8015NM Prep	
880-49980-5	CS-78 (2.5')	Total/NA	Solid	8015NM Prep	
880-49980-6	CS-79 (2.5')	Total/NA	Solid	8015NM Prep	
880-49980-7	CS-80 (2.5')	Total/NA	Solid	8015NM Prep	
880-49980-8	CS-81 (2.5')	Total/NA	Solid	8015NM Prep	
880-49980-9	CS-82 (2.5')	Total/NA	Solid	8015NM Prep	
880-49980-10	CS-83 (2.5')	Total/NA	Solid	8015NM Prep	
880-49980-11	CS-84 (2.5')	Total/NA	Solid	8015NM Prep	
880-49980-12	CS-85 (2.5')	Total/NA	Solid	8015NM Prep	
880-49980-13	CS-86 (2.5')	Total/NA	Solid	8015NM Prep	
880-49980-14	CS-87 (2.5')	Total/NA	Solid	8015NM Prep	
880-49980-15	CS-88 (2.5')	Total/NA	Solid	8015NM Prep	
880-49980-16	CS-89 (2.5')	Total/NA	Solid	8015NM Prep	
880-49980-17	CS-90 (2.5')	Total/NA	Solid	8015NM Prep	
880-49980-18	CS-91 (2.5')	Total/NA	Solid	8015NM Prep	
880-49980-19	CS-92 (2.5')	Total/NA	Solid	8015NM Prep	
880-49980-20	CS-93 (2.5')	Total/NA	Solid	8015NM Prep	
MB 880-93696/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-93696/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-93696/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-49980-1 MS	CS-74 (2.5')	Total/NA	Solid	8015NM Prep	
880-49980-1 MSD	CS-74 (2.5')	Total/NA	Solid	8015NM Prep	

Prep Batch: 93697

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49980-21	CS-94 (2.5')	Total/NA	Solid	8015NM Prep	
880-49980-22	CS-95 (2.5')	Total/NA	Solid	8015NM Prep	
880-49980-23	CS-96 (2.5')	Total/NA	Solid	8015NM Prep	
880-49980-24	CS-97 (2.5')	Total/NA	Solid	8015NM Prep	
880-49980-25	CS-98 (2.5')	Total/NA	Solid	8015NM Prep	
880-49980-26	CS-99 (2.5')	Total/NA	Solid	8015NM Prep	
880-49980-27	CS-100 (2.5')	Total/NA	Solid	8015NM Prep	
880-49980-28	CS-101 (2.5')	Total/NA	Solid	8015NM Prep	
880-49980-29	CS-102 (2.5')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 93697 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49980-30	CS-103 (2.5')	Total/NA	Solid	8015NM Prep	
880-49980-31	CS-104 (2.5')	Total/NA	Solid	8015NM Prep	
880-49980-32	CS-105 (2.5')	Total/NA	Solid	8015NM Prep	
880-49980-33	CS-106 (2.5')	Total/NA	Solid	8015NM Prep	
880-49980-34	CS-107 (2.5')	Total/NA	Solid	8015NM Prep	
880-49980-35	CS-108 (2.5')	Total/NA	Solid	8015NM Prep	
880-49980-36	CS-109 (2.5')	Total/NA	Solid	8015NM Prep	
880-49980-37	CS-110 (2.5')	Total/NA	Solid	8015NM Prep	
880-49980-38	CS-111 (2.5')	Total/NA	Solid	8015NM Prep	
880-49980-39	CS-112 (2.5')	Total/NA	Solid	8015NM Prep	
880-49980-40	CS-113 (2.5')	Total/NA	Solid	8015NM Prep	
MB 880-93697/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-93697/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-93697/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-49980-21 MS	CS-94 (2.5')	Total/NA	Solid	8015NM Prep	
880-49980-21 MSD	CS-94 (2.5')	Total/NA	Solid	8015NM Prep	

Prep Batch: 93698

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49980-41	CS-114 (2.5')	Total/NA	Solid	8015NM Prep	
880-49980-42	CS-115 (2.5')	Total/NA	Solid	8015NM Prep	
880-49980-43	CS-116 (2.5')	Total/NA	Solid	8015NM Prep	
880-49980-44	CS-117 (2.5')	Total/NA	Solid	8015NM Prep	
880-49980-45	CS-118 (2.5')	Total/NA	Solid	8015NM Prep	
880-49980-46	SW-29 (2.5')	Total/NA	Solid	8015NM Prep	
880-49980-47	SW-30 (2.5')	Total/NA	Solid	8015NM Prep	
880-49980-48	SW-31 (2.5')	Total/NA	Solid	8015NM Prep	
880-49980-49	SW-32 (2.5')	Total/NA	Solid	8015NM Prep	
880-49980-50	SW-33 (2.5')	Total/NA	Solid	8015NM Prep	
MB 880-93698/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-93698/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-93698/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-49980-42 MS	CS-115 (2.5')	Total/NA	Solid	8015NM Prep	
880-49980-42 MSD	CS-115 (2.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 93699

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49980-1	CS-74 (2.5')	Total/NA	Solid	8015B NM	93696
880-49980-2	CS-75 (2.5')	Total/NA	Solid	8015B NM	93696
880-49980-3	CS-76 (2.5')	Total/NA	Solid	8015B NM	93696
880-49980-4	CS-77 (2.5')	Total/NA	Solid	8015B NM	93696
880-49980-5	CS-78 (2.5')	Total/NA	Solid	8015B NM	93696
880-49980-6	CS-79 (2.5')	Total/NA	Solid	8015B NM	93696
880-49980-7	CS-80 (2.5')	Total/NA	Solid	8015B NM	93696
880-49980-8	CS-81 (2.5')	Total/NA	Solid	8015B NM	93696
880-49980-9	CS-82 (2.5')	Total/NA	Solid	8015B NM	93696
880-49980-10	CS-83 (2.5')	Total/NA	Solid	8015B NM	93696
880-49980-11	CS-84 (2.5')	Total/NA	Solid	8015B NM	93696
880-49980-12	CS-85 (2.5')	Total/NA	Solid	8015B NM	93696
880-49980-13	CS-86 (2.5')	Total/NA	Solid	8015B NM	93696
880-49980-14	CS-87 (2.5')	Total/NA	Solid	8015B NM	93696

Eurofins Midland

QC Association Summary

Client: Carmona Resources

Job ID: 880-49980-1

Project/Site: Riverbend 12-13 Federal Com 33H

SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 93699 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49980-15	CS-88 (2.5')	Total/NA	Solid	8015B NM	93696
880-49980-16	CS-89 (2.5')	Total/NA	Solid	8015B NM	93696
880-49980-17	CS-90 (2.5')	Total/NA	Solid	8015B NM	93696
880-49980-18	CS-91 (2.5')	Total/NA	Solid	8015B NM	93696
880-49980-19	CS-92 (2.5')	Total/NA	Solid	8015B NM	93696
880-49980-20	CS-93 (2.5')	Total/NA	Solid	8015B NM	93696
880-49980-41	CS-114 (2.5')	Total/NA	Solid	8015B NM	93698
880-49980-42	CS-115 (2.5')	Total/NA	Solid	8015B NM	93698
880-49980-43	CS-116 (2.5')	Total/NA	Solid	8015B NM	93698
880-49980-44	CS-117 (2.5')	Total/NA	Solid	8015B NM	93698
880-49980-45	CS-118 (2.5')	Total/NA	Solid	8015B NM	93698
880-49980-46	SW-29 (2.5')	Total/NA	Solid	8015B NM	93698
880-49980-47	SW-30 (2.5')	Total/NA	Solid	8015B NM	93698
880-49980-48	SW-31 (2.5')	Total/NA	Solid	8015B NM	93698
880-49980-49	SW-32 (2.5')	Total/NA	Solid	8015B NM	93698
880-49980-50	SW-33 (2.5')	Total/NA	Solid	8015B NM	93698
MB 880-93696/1-A	Method Blank	Total/NA	Solid	8015B NM	93696
MB 880-93698/1-A	Method Blank	Total/NA	Solid	8015B NM	93698
LCS 880-93696/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	93696
LCS 880-93698/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	93698
LCSD 880-93696/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	93696
LCSD 880-93698/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	93698
880-49980-1 MS	CS-74 (2.5')	Total/NA	Solid	8015B NM	93696
880-49980-1 MSD	CS-74 (2.5')	Total/NA	Solid	8015B NM	93696
880-49980-42 MS	CS-115 (2.5')	Total/NA	Solid	8015B NM	93698
880-49980-42 MSD	CS-115 (2.5')	Total/NA	Solid	8015B NM	93698

Analysis Batch: 93701

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49980-21	CS-94 (2.5')	Total/NA	Solid	8015B NM	93697
880-49980-22	CS-95 (2.5')	Total/NA	Solid	8015B NM	93697
880-49980-23	CS-96 (2.5')	Total/NA	Solid	8015B NM	93697
880-49980-24	CS-97 (2.5')	Total/NA	Solid	8015B NM	93697
880-49980-25	CS-98 (2.5')	Total/NA	Solid	8015B NM	93697
880-49980-26	CS-99 (2.5')	Total/NA	Solid	8015B NM	93697
880-49980-27	CS-100 (2.5')	Total/NA	Solid	8015B NM	93697
880-49980-28	CS-101 (2.5')	Total/NA	Solid	8015B NM	93697
880-49980-29	CS-102 (2.5')	Total/NA	Solid	8015B NM	93697
880-49980-30	CS-103 (2.5')	Total/NA	Solid	8015B NM	93697
880-49980-31	CS-104 (2.5')	Total/NA	Solid	8015B NM	93697
880-49980-32	CS-105 (2.5')	Total/NA	Solid	8015B NM	93697
880-49980-33	CS-106 (2.5')	Total/NA	Solid	8015B NM	93697
880-49980-34	CS-107 (2.5')	Total/NA	Solid	8015B NM	93697
880-49980-35	CS-108 (2.5')	Total/NA	Solid	8015B NM	93697
880-49980-36	CS-109 (2.5')	Total/NA	Solid	8015B NM	93697
880-49980-37	CS-110 (2.5')	Total/NA	Solid	8015B NM	93697
880-49980-38	CS-111 (2.5')	Total/NA	Solid	8015B NM	93697
880-49980-39	CS-112 (2.5')	Total/NA	Solid	8015B NM	93697
880-49980-40	CS-113 (2.5')	Total/NA	Solid	8015B NM	93697
MB 880-93697/1-A	Method Blank	Total/NA	Solid	8015B NM	93697
LCS 880-93697/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	93697

Eurofins Midland

QC Association Summary

Client: Carmona Resources

Job ID: 880-49980-1

Project/Site: Riverbend 12-13 Federal Com 33H

SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 93701 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSO 880-93697/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	93697
880-49980-21 MS	CS-94 (2.5')	Total/NA	Solid	8015B NM	93697
880-49980-21 MSD	CS-94 (2.5')	Total/NA	Solid	8015B NM	93697

Analysis Batch: 93779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49980-1	CS-74 (2.5')	Total/NA	Solid	8015 NM	
880-49980-2	CS-75 (2.5')	Total/NA	Solid	8015 NM	
880-49980-3	CS-76 (2.5')	Total/NA	Solid	8015 NM	
880-49980-4	CS-77 (2.5')	Total/NA	Solid	8015 NM	
880-49980-5	CS-78 (2.5')	Total/NA	Solid	8015 NM	
880-49980-6	CS-79 (2.5')	Total/NA	Solid	8015 NM	
880-49980-7	CS-80 (2.5')	Total/NA	Solid	8015 NM	
880-49980-8	CS-81 (2.5')	Total/NA	Solid	8015 NM	
880-49980-9	CS-82 (2.5')	Total/NA	Solid	8015 NM	
880-49980-10	CS-83 (2.5')	Total/NA	Solid	8015 NM	
880-49980-11	CS-84 (2.5')	Total/NA	Solid	8015 NM	
880-49980-12	CS-85 (2.5')	Total/NA	Solid	8015 NM	
880-49980-13	CS-86 (2.5')	Total/NA	Solid	8015 NM	
880-49980-14	CS-87 (2.5')	Total/NA	Solid	8015 NM	
880-49980-15	CS-88 (2.5')	Total/NA	Solid	8015 NM	
880-49980-16	CS-89 (2.5')	Total/NA	Solid	8015 NM	
880-49980-17	CS-90 (2.5')	Total/NA	Solid	8015 NM	
880-49980-18	CS-91 (2.5')	Total/NA	Solid	8015 NM	
880-49980-19	CS-92 (2.5')	Total/NA	Solid	8015 NM	
880-49980-20	CS-93 (2.5')	Total/NA	Solid	8015 NM	
880-49980-21	CS-94 (2.5')	Total/NA	Solid	8015 NM	
880-49980-22	CS-95 (2.5')	Total/NA	Solid	8015 NM	
880-49980-23	CS-96 (2.5')	Total/NA	Solid	8015 NM	
880-49980-24	CS-97 (2.5')	Total/NA	Solid	8015 NM	
880-49980-25	CS-98 (2.5')	Total/NA	Solid	8015 NM	
880-49980-26	CS-99 (2.5')	Total/NA	Solid	8015 NM	
880-49980-27	CS-100 (2.5')	Total/NA	Solid	8015 NM	
880-49980-28	CS-101 (2.5')	Total/NA	Solid	8015 NM	
880-49980-29	CS-102 (2.5')	Total/NA	Solid	8015 NM	
880-49980-30	CS-103 (2.5')	Total/NA	Solid	8015 NM	
880-49980-31	CS-104 (2.5')	Total/NA	Solid	8015 NM	
880-49980-32	CS-105 (2.5')	Total/NA	Solid	8015 NM	
880-49980-33	CS-106 (2.5')	Total/NA	Solid	8015 NM	
880-49980-34	CS-107 (2.5')	Total/NA	Solid	8015 NM	
880-49980-35	CS-108 (2.5')	Total/NA	Solid	8015 NM	
880-49980-36	CS-109 (2.5')	Total/NA	Solid	8015 NM	
880-49980-37	CS-110 (2.5')	Total/NA	Solid	8015 NM	
880-49980-38	CS-111 (2.5')	Total/NA	Solid	8015 NM	
880-49980-39	CS-112 (2.5')	Total/NA	Solid	8015 NM	
880-49980-40	CS-113 (2.5')	Total/NA	Solid	8015 NM	
880-49980-41	CS-114 (2.5')	Total/NA	Solid	8015 NM	
880-49980-42	CS-115 (2.5')	Total/NA	Solid	8015 NM	
880-49980-43	CS-116 (2.5')	Total/NA	Solid	8015 NM	
880-49980-44	CS-117 (2.5')	Total/NA	Solid	8015 NM	
880-49980-45	CS-118 (2.5')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 93779 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49980-46	SW-29 (2.5')	Total/NA	Solid	8015 NM	
880-49980-47	SW-30 (2.5')	Total/NA	Solid	8015 NM	
880-49980-48	SW-31 (2.5')	Total/NA	Solid	8015 NM	
880-49980-49	SW-32 (2.5')	Total/NA	Solid	8015 NM	
880-49980-50	SW-33 (2.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 93681

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49980-41	CS-114 (2.5')	Soluble	Solid	DI Leach	
880-49980-42	CS-115 (2.5')	Soluble	Solid	DI Leach	
880-49980-43	CS-116 (2.5')	Soluble	Solid	DI Leach	
880-49980-44	CS-117 (2.5')	Soluble	Solid	DI Leach	
880-49980-45	CS-118 (2.5')	Soluble	Solid	DI Leach	
880-49980-46	SW-29 (2.5')	Soluble	Solid	DI Leach	
880-49980-47	SW-30 (2.5')	Soluble	Solid	DI Leach	
880-49980-48	SW-31 (2.5')	Soluble	Solid	DI Leach	
880-49980-49	SW-32 (2.5')	Soluble	Solid	DI Leach	
880-49980-50	SW-33 (2.5')	Soluble	Solid	DI Leach	
MB 880-93681/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-93681/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-93681/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-49980-41 MS	CS-114 (2.5')	Soluble	Solid	DI Leach	
880-49980-41 MSD	CS-114 (2.5')	Soluble	Solid	DI Leach	

Leach Batch: 93687

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49980-1	CS-74 (2.5')	Soluble	Solid	DI Leach	
880-49980-2	CS-75 (2.5')	Soluble	Solid	DI Leach	
880-49980-3	CS-76 (2.5')	Soluble	Solid	DI Leach	
880-49980-4	CS-77 (2.5')	Soluble	Solid	DI Leach	
880-49980-5	CS-78 (2.5')	Soluble	Solid	DI Leach	
880-49980-6	CS-79 (2.5')	Soluble	Solid	DI Leach	
880-49980-7	CS-80 (2.5')	Soluble	Solid	DI Leach	
880-49980-8	CS-81 (2.5')	Soluble	Solid	DI Leach	
880-49980-9	CS-82 (2.5')	Soluble	Solid	DI Leach	
880-49980-10	CS-83 (2.5')	Soluble	Solid	DI Leach	
880-49980-11	CS-84 (2.5')	Soluble	Solid	DI Leach	
880-49980-12	CS-85 (2.5')	Soluble	Solid	DI Leach	
880-49980-13	CS-86 (2.5')	Soluble	Solid	DI Leach	
880-49980-14	CS-87 (2.5')	Soluble	Solid	DI Leach	
880-49980-15	CS-88 (2.5')	Soluble	Solid	DI Leach	
880-49980-16	CS-89 (2.5')	Soluble	Solid	DI Leach	
880-49980-17	CS-90 (2.5')	Soluble	Solid	DI Leach	
880-49980-18	CS-91 (2.5')	Soluble	Solid	DI Leach	
880-49980-19	CS-92 (2.5')	Soluble	Solid	DI Leach	
880-49980-20	CS-93 (2.5')	Soluble	Solid	DI Leach	
MB 880-93687/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-93687/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-93687/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources

Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1

SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Leach Batch: 93687 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49980-1 MS	CS-74 (2.5')	Soluble	Solid	DI Leach	
880-49980-1 MSD	CS-74 (2.5')	Soluble	Solid	DI Leach	
880-49980-11 MS	CS-84 (2.5')	Soluble	Solid	DI Leach	
880-49980-11 MSD	CS-84 (2.5')	Soluble	Solid	DI Leach	

Leach Batch: 93689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49980-21	CS-94 (2.5')	Soluble	Solid	DI Leach	
880-49980-22	CS-95 (2.5')	Soluble	Solid	DI Leach	
880-49980-23	CS-96 (2.5')	Soluble	Solid	DI Leach	
880-49980-24	CS-97 (2.5')	Soluble	Solid	DI Leach	
880-49980-25	CS-98 (2.5')	Soluble	Solid	DI Leach	
880-49980-26	CS-99 (2.5')	Soluble	Solid	DI Leach	
880-49980-27	CS-100 (2.5')	Soluble	Solid	DI Leach	
880-49980-28	CS-101 (2.5')	Soluble	Solid	DI Leach	
880-49980-29	CS-102 (2.5')	Soluble	Solid	DI Leach	
880-49980-30	CS-103 (2.5')	Soluble	Solid	DI Leach	
880-49980-31	CS-104 (2.5')	Soluble	Solid	DI Leach	
880-49980-32	CS-105 (2.5')	Soluble	Solid	DI Leach	
880-49980-33	CS-106 (2.5')	Soluble	Solid	DI Leach	
880-49980-34	CS-107 (2.5')	Soluble	Solid	DI Leach	
880-49980-35	CS-108 (2.5')	Soluble	Solid	DI Leach	
880-49980-36	CS-109 (2.5')	Soluble	Solid	DI Leach	
880-49980-37	CS-110 (2.5')	Soluble	Solid	DI Leach	
880-49980-38	CS-111 (2.5')	Soluble	Solid	DI Leach	
880-49980-39	CS-112 (2.5')	Soluble	Solid	DI Leach	
880-49980-40	CS-113 (2.5')	Soluble	Solid	DI Leach	
MB 880-93689/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-93689/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-93689/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-49980-21 MS	CS-94 (2.5')	Soluble	Solid	DI Leach	
880-49980-21 MSD	CS-94 (2.5')	Soluble	Solid	DI Leach	
880-49980-31 MS	CS-104 (2.5')	Soluble	Solid	DI Leach	
880-49980-31 MSD	CS-104 (2.5')	Soluble	Solid	DI Leach	

Analysis Batch: 93716

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49980-1	CS-74 (2.5')	Soluble	Solid	300.0	93687
880-49980-2	CS-75 (2.5')	Soluble	Solid	300.0	93687
880-49980-3	CS-76 (2.5')	Soluble	Solid	300.0	93687
880-49980-4	CS-77 (2.5')	Soluble	Solid	300.0	93687
880-49980-5	CS-78 (2.5')	Soluble	Solid	300.0	93687
880-49980-6	CS-79 (2.5')	Soluble	Solid	300.0	93687
880-49980-7	CS-80 (2.5')	Soluble	Solid	300.0	93687
880-49980-8	CS-81 (2.5')	Soluble	Solid	300.0	93687
880-49980-9	CS-82 (2.5')	Soluble	Solid	300.0	93687
880-49980-10	CS-83 (2.5')	Soluble	Solid	300.0	93687
880-49980-11	CS-84 (2.5')	Soluble	Solid	300.0	93687
880-49980-12	CS-85 (2.5')	Soluble	Solid	300.0	93687
880-49980-13	CS-86 (2.5')	Soluble	Solid	300.0	93687
880-49980-14	CS-87 (2.5')	Soluble	Solid	300.0	93687

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 93716 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49980-15	CS-88 (2.5')	Soluble	Solid	300.0	93687
880-49980-16	CS-89 (2.5')	Soluble	Solid	300.0	93687
880-49980-17	CS-90 (2.5')	Soluble	Solid	300.0	93687
880-49980-18	CS-91 (2.5')	Soluble	Solid	300.0	93687
880-49980-19	CS-92 (2.5')	Soluble	Solid	300.0	93687
880-49980-20	CS-93 (2.5')	Soluble	Solid	300.0	93687
MB 880-93687/1-A	Method Blank	Soluble	Solid	300.0	93687
LCS 880-93687/2-A	Lab Control Sample	Soluble	Solid	300.0	93687
LCSD 880-93687/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	93687
880-49980-1 MS	CS-74 (2.5')	Soluble	Solid	300.0	93687
880-49980-1 MSD	CS-74 (2.5')	Soluble	Solid	300.0	93687
880-49980-11 MS	CS-84 (2.5')	Soluble	Solid	300.0	93687
880-49980-11 MSD	CS-84 (2.5')	Soluble	Solid	300.0	93687

Analysis Batch: 93717

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49980-21	CS-94 (2.5')	Soluble	Solid	300.0	93689
880-49980-22	CS-95 (2.5')	Soluble	Solid	300.0	93689
880-49980-23	CS-96 (2.5')	Soluble	Solid	300.0	93689
880-49980-24	CS-97 (2.5')	Soluble	Solid	300.0	93689
880-49980-25	CS-98 (2.5')	Soluble	Solid	300.0	93689
880-49980-26	CS-99 (2.5')	Soluble	Solid	300.0	93689
880-49980-27	CS-100 (2.5')	Soluble	Solid	300.0	93689
880-49980-28	CS-101 (2.5')	Soluble	Solid	300.0	93689
880-49980-29	CS-102 (2.5')	Soluble	Solid	300.0	93689
880-49980-30	CS-103 (2.5')	Soluble	Solid	300.0	93689
880-49980-31	CS-104 (2.5')	Soluble	Solid	300.0	93689
880-49980-32	CS-105 (2.5')	Soluble	Solid	300.0	93689
880-49980-33	CS-106 (2.5')	Soluble	Solid	300.0	93689
880-49980-34	CS-107 (2.5')	Soluble	Solid	300.0	93689
880-49980-35	CS-108 (2.5')	Soluble	Solid	300.0	93689
880-49980-36	CS-109 (2.5')	Soluble	Solid	300.0	93689
880-49980-37	CS-110 (2.5')	Soluble	Solid	300.0	93689
880-49980-38	CS-111 (2.5')	Soluble	Solid	300.0	93689
880-49980-39	CS-112 (2.5')	Soluble	Solid	300.0	93689
880-49980-40	CS-113 (2.5')	Soluble	Solid	300.0	93689
MB 880-93689/1-A	Method Blank	Soluble	Solid	300.0	93689
LCS 880-93689/2-A	Lab Control Sample	Soluble	Solid	300.0	93689
LCSD 880-93689/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	93689
880-49980-21 MS	CS-94 (2.5')	Soluble	Solid	300.0	93689
880-49980-21 MSD	CS-94 (2.5')	Soluble	Solid	300.0	93689
880-49980-31 MS	CS-104 (2.5')	Soluble	Solid	300.0	93689
880-49980-31 MSD	CS-104 (2.5')	Soluble	Solid	300.0	93689

Analysis Batch: 93718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49980-41	CS-114 (2.5')	Soluble	Solid	300.0	93681
880-49980-42	CS-115 (2.5')	Soluble	Solid	300.0	93681
880-49980-43	CS-116 (2.5')	Soluble	Solid	300.0	93681
880-49980-44	CS-117 (2.5')	Soluble	Solid	300.0	93681
880-49980-45	CS-118 (2.5')	Soluble	Solid	300.0	93681

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 93718 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49980-46	SW-29 (2.5')	Soluble	Solid	300.0	93681
880-49980-47	SW-30 (2.5')	Soluble	Solid	300.0	93681
880-49980-48	SW-31 (2.5')	Soluble	Solid	300.0	93681
880-49980-49	SW-32 (2.5')	Soluble	Solid	300.0	93681
880-49980-50	SW-33 (2.5')	Soluble	Solid	300.0	93681
MB 880-93681/1-A	Method Blank	Soluble	Solid	300.0	93681
LCS 880-93681/2-A	Lab Control Sample	Soluble	Solid	300.0	93681
LCSD 880-93681/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	93681
880-49980-41 MS	CS-114 (2.5')	Soluble	Solid	300.0	93681
880-49980-41 MSD	CS-114 (2.5')	Soluble	Solid	300.0	93681

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-74 (2.5')
Date Collected: 10/18/24 00:00
Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	93682	10/18/24 16:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93627	10/18/24 23:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93767	10/18/24 23:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			93779	10/19/24 01:31	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	93696	10/18/24 23:04	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93699	10/19/24 01:31	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	93687	10/18/24 16:53	SA	EET MID
Soluble	Analysis	300.0		1			93716	10/20/24 16:50	CH	EET MID

Client Sample ID: CS-75 (2.5')
Date Collected: 10/18/24 00:00
Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-2
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			5.02 g	5 mL	93682	10/18/24 16:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93627	10/19/24 00:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93767	10/19/24 00:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			93779	10/19/24 02:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	93696	10/18/24 23:04	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93699	10/19/24 02:20	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	93687	10/18/24 16:53	SA	EET MID
Soluble	Analysis	300.0		1			93716	10/20/24 17:06	CH	EET MID

Client Sample ID: CS-76 (2.5')
Date Collected: 10/18/24 00:00
Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-3
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			5.01 g	5 mL	93682	10/18/24 16:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93627	10/19/24 00:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93767	10/19/24 00:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			93779	10/19/24 02:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	93696	10/18/24 23:04	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93699	10/19/24 02:37	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	93687	10/18/24 16:53	SA	EET MID
Soluble	Analysis	300.0		1			93716	10/20/24 17:11	CH	EET MID

Client Sample ID: CS-77 (2.5')
Date Collected: 10/18/24 00:00
Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-4
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			4.97 g	5 mL	93682	10/18/24 16:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93627	10/19/24 00:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93767	10/19/24 00:56	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-77 (2.5')
Date Collected: 10/18/24 00:00
Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-4
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			93779	10/19/24 02:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	93696	10/18/24 23:04	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93699	10/19/24 02:52	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	93687	10/18/24 16:53	SA	EET MID
Soluble	Analysis	300.0		1			93716	10/20/24 17:17	CH	EET MID

Client Sample ID: CS-78 (2.5')
Date Collected: 10/18/24 00:00
Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-5
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			4.99 g	5 mL	93682	10/18/24 16:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93627	10/19/24 01:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93767	10/19/24 01:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			93779	10/19/24 03:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	93696	10/18/24 23:04	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93699	10/19/24 03:09	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	93687	10/18/24 16:53	SA	EET MID
Soluble	Analysis	300.0		1			93716	10/20/24 17:22	CH	EET MID

Client Sample ID: CS-79 (2.5')
Date Collected: 10/18/24 00:00
Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-6
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			5.02 g	5 mL	93682	10/18/24 16:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93627	10/19/24 01:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93767	10/19/24 01:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			93779	10/19/24 03:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	93696	10/18/24 23:04	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93699	10/19/24 03:25	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	93687	10/18/24 16:53	SA	EET MID
Soluble	Analysis	300.0		1			93716	10/20/24 17:38	CH	EET MID

Client Sample ID: CS-80 (2.5')
Date Collected: 10/18/24 00:00
Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-7
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			5.03 g	5 mL	93682	10/18/24 16:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93627	10/19/24 01:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93767	10/19/24 01:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			93779	10/19/24 03:41	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	93696	10/18/24 23:04	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93699	10/19/24 03:41	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-80 (2.5')
Date Collected: 10/18/24 00:00
Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-7
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			5.02 g	50 mL	93687	10/18/24 16:53	SA	EET MID
Soluble	Analysis	300.0		1			93716	10/20/24 17:44	CH	EET MID

Client Sample ID: CS-81 (2.5')
Date Collected: 10/18/24 00:00
Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-8
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			5.01 g	5 mL	93682	10/18/24 16:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93627	10/19/24 02:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93767	10/19/24 02:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			93779	10/19/24 03:57	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	93696	10/18/24 23:04	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93699	10/19/24 03:57	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	93687	10/18/24 16:53	SA	EET MID
Soluble	Analysis	300.0		1			93716	10/20/24 17:49	CH	EET MID

Client Sample ID: CS-82 (2.5')
Date Collected: 10/18/24 00:00
Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-9
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			4.97 g	5 mL	93682	10/18/24 16:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93627	10/19/24 02:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93767	10/19/24 02:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			93779	10/19/24 04:14	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	93696	10/18/24 23:04	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93699	10/19/24 04:14	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	93687	10/18/24 16:53	SA	EET MID
Soluble	Analysis	300.0		1			93716	10/20/24 17:54	CH	EET MID

Client Sample ID: CS-83 (2.5')
Date Collected: 10/18/24 00:00
Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-10
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	93682	10/18/24 16:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93627	10/19/24 02:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93767	10/19/24 02:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			93779	10/19/24 04:29	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	93696	10/18/24 23:04	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93699	10/19/24 04:29	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	93687	10/18/24 16:53	SA	EET MID
Soluble	Analysis	300.0		1			93716	10/20/24 18:00	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-84 (2.5')
Date Collected: 10/18/24 00:00
Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	93682	10/18/24 16:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93627	10/19/24 04:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93767	10/19/24 04:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			93779	10/19/24 05:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	93696	10/18/24 23:04	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93699	10/19/24 05:01	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	93687	10/18/24 16:53	SA	EET MID
Soluble	Analysis	300.0		1			93716	10/20/24 18:05	CH	EET MID

Client Sample ID: CS-85 (2.5')
Date Collected: 10/18/24 00:00
Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	93682	10/18/24 16:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93627	10/19/24 04:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93767	10/19/24 04:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			93779	10/19/24 05:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	93696	10/18/24 23:04	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93699	10/19/24 05:18	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	93687	10/18/24 16:53	SA	EET MID
Soluble	Analysis	300.0		1			93716	10/20/24 18:21	CH	EET MID

Client Sample ID: CS-86 (2.5')
Date Collected: 10/18/24 00:00
Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	93682	10/18/24 16:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93627	10/19/24 05:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93767	10/19/24 05:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			93779	10/19/24 05:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	93696	10/18/24 23:04	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93699	10/19/24 05:33	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	93687	10/18/24 16:53	SA	EET MID
Soluble	Analysis	300.0		1			93716	10/20/24 18:27	CH	EET MID

Client Sample ID: CS-87 (2.5')
Date Collected: 10/18/24 00:00
Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	93682	10/18/24 16:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93627	10/19/24 05:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93767	10/19/24 05:35	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-87 (2.5')

Date Collected: 10/18/24 00:00

Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			93779	10/19/24 05:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	93696	10/18/24 23:04	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93699	10/19/24 05:49	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	93687	10/18/24 16:53	SA	EET MID
Soluble	Analysis	300.0		1			93716	10/20/24 18:43	CH	EET MID

Client Sample ID: CS-88 (2.5')

Date Collected: 10/18/24 00:00

Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-15

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	93682	10/18/24 16:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93627	10/19/24 05:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93767	10/19/24 05:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			93779	10/19/24 06:06	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	93696	10/18/24 23:04	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93699	10/19/24 06:06	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	93687	10/18/24 16:53	SA	EET MID
Soluble	Analysis	300.0		1			93716	10/20/24 18:48	CH	EET MID

Client Sample ID: CS-89 (2.5')

Date Collected: 10/18/24 00:00

Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-16

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	93682	10/18/24 16:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93627	10/19/24 06:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93767	10/19/24 06:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			93779	10/19/24 06:22	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	93696	10/18/24 23:04	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93699	10/19/24 06:22	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	93687	10/18/24 16:53	SA	EET MID
Soluble	Analysis	300.0		1			93716	10/20/24 18:54	CH	EET MID

Client Sample ID: CS-90 (2.5')

Date Collected: 10/18/24 00:00

Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.99 g	5 mL	93682	10/18/24 16:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93627	10/19/24 06:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93767	10/19/24 06:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			93779	10/19/24 06:39	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	93696	10/18/24 23:04	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93699	10/19/24 06:39	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-90 (2.5')
Date Collected: 10/18/24 00:00
Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-17
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			5.05 g	50 mL	93687	10/18/24 16:53	SA	EET MID
Soluble	Analysis	300.0		1			93716	10/20/24 18:59	CH	EET MID

Client Sample ID: CS-91 (2.5')
Date Collected: 10/18/24 00:00
Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.51 g	5 mL	93682	10/18/24 16:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93627	10/19/24 06:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93767	10/19/24 06:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			93779	10/19/24 06:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	93696	10/18/24 23:04	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93699	10/19/24 06:55	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	93687	10/18/24 16:53	SA	EET MID
Soluble	Analysis	300.0		1			93716	10/20/24 19:05	CH	EET MID

Client Sample ID: CS-92 (2.5')
Date Collected: 10/18/24 00:00
Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-19
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			5.92 g	5 mL	93682	10/18/24 16:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93627	10/19/24 07:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93767	10/19/24 07:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			93779	10/19/24 07:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	93696	10/18/24 23:04	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93699	10/19/24 07:10	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	93687	10/18/24 16:53	SA	EET MID
Soluble	Analysis	300.0		1			93716	10/20/24 19:10	CH	EET MID

Client Sample ID: CS-93 (2.5')
Date Collected: 10/18/24 00:00
Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-20
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	93682	10/18/24 16:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93627	10/19/24 07:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93767	10/19/24 07:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			93779	10/19/24 07:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	93696	10/18/24 23:04	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93699	10/19/24 07:26	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	93687	10/18/24 16:53	SA	EET MID
Soluble	Analysis	300.0		1			93716	10/20/24 19:15	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-94 (2.5')
Date Collected: 10/18/24 00:00
Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	93683	10/18/24 16:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93629	10/18/24 22:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93767	10/18/24 22:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			93779	10/19/24 01:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	93697	10/18/24 23:09	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93701	10/19/24 01:31	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	93689	10/18/24 16:54	SA	EET MID
Soluble	Analysis	300.0		1			93717	10/20/24 19:59	CH	EET MID

Client Sample ID: CS-95 (2.5')
Date Collected: 10/18/24 00:00
Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-22
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	93683	10/18/24 16:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93629	10/18/24 23:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93767	10/18/24 23:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			93779	10/19/24 02:20	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	93697	10/18/24 23:09	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93701	10/19/24 02:20	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	93689	10/18/24 16:55	SA	EET MID
Soluble	Analysis	300.0		1			93717	10/20/24 20:15	CH	EET MID

Client Sample ID: CS-96 (2.5')
Date Collected: 10/18/24 00:00
Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-23
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	93683	10/18/24 16:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93629	10/18/24 23:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93767	10/18/24 23:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			93779	10/19/24 02:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	93697	10/18/24 23:09	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93701	10/19/24 02:37	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	93689	10/18/24 16:55	SA	EET MID
Soluble	Analysis	300.0		1			93717	10/20/24 20:20	CH	EET MID

Client Sample ID: CS-97 (2.5')
Date Collected: 10/18/24 00:00
Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	93683	10/18/24 16:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93629	10/18/24 23:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93767	10/18/24 23:44	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-97 (2.5')

Date Collected: 10/18/24 00:00

Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-24

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			93779	10/19/24 02:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	93697	10/18/24 23:09	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93701	10/19/24 02:52	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	93689	10/18/24 16:55	SA	EET MID
Soluble	Analysis	300.0		1			93717	10/20/24 20:26	CH	EET MID

Client Sample ID: CS-98 (2.5')

Date Collected: 10/18/24 00:00

Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-25

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	93683	10/18/24 16:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93629	10/19/24 00:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93767	10/19/24 00:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			93779	10/19/24 03:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	93697	10/18/24 23:09	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93701	10/19/24 03:09	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	93689	10/18/24 16:55	SA	EET MID
Soluble	Analysis	300.0		1			93717	10/20/24 20:31	CH	EET MID

Client Sample ID: CS-99 (2.5')

Date Collected: 10/18/24 00:00

Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-26

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	93683	10/18/24 16:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93629	10/19/24 00:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93767	10/19/24 00:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			93779	10/19/24 03:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	93697	10/18/24 23:09	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93701	10/19/24 03:25	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	93689	10/18/24 16:55	SA	EET MID
Soluble	Analysis	300.0		1			93717	10/20/24 20:47	CH	EET MID

Client Sample ID: CS-100 (2.5')

Date Collected: 10/18/24 00:00

Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-27

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	93683	10/18/24 16:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93629	10/19/24 00:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93767	10/19/24 00:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			93779	10/19/24 03:41	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	93697	10/18/24 23:09	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93701	10/19/24 03:41	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-100 (2.5')

Date Collected: 10/18/24 00:00

Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-27

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			4.98 g	50 mL	93689	10/18/24 16:55	SA	EET MID
Soluble	Analysis	300.0		1			93717	10/20/24 20:53	CH	EET MID

Client Sample ID: CS-101 (2.5')

Date Collected: 10/18/24 00:00

Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-28

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	93683	10/18/24 16:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93629	10/19/24 01:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93767	10/19/24 01:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			93779	10/19/24 03:57	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	93697	10/18/24 23:09	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93701	10/19/24 03:57	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	93689	10/18/24 16:55	SA	EET MID
Soluble	Analysis	300.0		1			93717	10/20/24 20:58	CH	EET MID

Client Sample ID: CS-102 (2.5')

Date Collected: 10/18/24 00:00

Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-29

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	93683	10/18/24 16:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93629	10/19/24 01:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93767	10/19/24 01:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			93779	10/19/24 04:14	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	93697	10/18/24 23:09	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93701	10/19/24 04:14	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	93689	10/18/24 16:55	SA	EET MID
Soluble	Analysis	300.0		1			93717	10/20/24 21:04	CH	EET MID

Client Sample ID: CS-103 (2.5')

Date Collected: 10/18/24 00:00

Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-30

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	93683	10/18/24 16:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93629	10/19/24 01:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93767	10/19/24 01:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			93779	10/19/24 04:29	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	93697	10/18/24 23:09	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93701	10/19/24 04:29	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	93689	10/18/24 16:55	SA	EET MID
Soluble	Analysis	300.0		1			93717	10/20/24 21:09	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-104 (2.5')
Date Collected: 10/18/24 00:00
Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-31
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	93683	10/18/24 16:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93629	10/19/24 03:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93767	10/19/24 03:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			93779	10/19/24 05:01	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	93697	10/18/24 23:09	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93701	10/19/24 05:01	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	93689	10/18/24 16:55	SA	EET MID
Soluble	Analysis	300.0		1			93717	10/20/24 21:14	CH	EET MID

Client Sample ID: CS-105 (2.5')
Date Collected: 10/18/24 00:00
Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-32
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	93683	10/18/24 16:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93629	10/19/24 03:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93767	10/19/24 03:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			93779	10/19/24 05:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	93697	10/18/24 23:09	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93701	10/19/24 05:18	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	93689	10/18/24 16:55	SA	EET MID
Soluble	Analysis	300.0		1			93717	10/20/24 21:30	CH	EET MID

Client Sample ID: CS-106 (2.5')
Date Collected: 10/18/24 00:00
Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-33
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	93683	10/18/24 16:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93629	10/19/24 03:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93767	10/19/24 03:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			93779	10/19/24 05:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	93697	10/18/24 23:09	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93701	10/19/24 05:33	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	93689	10/18/24 16:55	SA	EET MID
Soluble	Analysis	300.0		1			93717	10/20/24 21:36	CH	EET MID

Client Sample ID: CS-107 (2.5')
Date Collected: 10/18/24 00:00
Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-34
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	93683	10/18/24 16:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93629	10/19/24 04:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93767	10/19/24 04:13	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-107 (2.5')

Lab Sample ID: 880-49980-34

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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			93779	10/19/24 05:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	93697	10/18/24 23:09	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93701	10/19/24 05:49	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	93689	10/18/24 16:55	SA	EET MID
Soluble	Analysis	300.0		1			93717	10/20/24 21:52	CH	EET MID

Client Sample ID: CS-108 (2.5')

Lab Sample ID: 880-49980-35

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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	93683	10/18/24 16:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93629	10/19/24 04:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93767	10/19/24 04:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			93779	10/19/24 06:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	93697	10/18/24 23:09	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93701	10/19/24 06:06	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	93689	10/18/24 16:55	SA	EET MID
Soluble	Analysis	300.0		1			93717	10/20/24 21:57	CH	EET MID

Client Sample ID: CS-109 (2.5')

Lab Sample ID: 880-49980-36

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

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	93683	10/18/24 16:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93629	10/19/24 04:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93767	10/19/24 04:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			93779	10/19/24 06:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	93697	10/18/24 23:09	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93701	10/19/24 06:22	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	93689	10/18/24 16:55	SA	EET MID
Soluble	Analysis	300.0		1			93717	10/20/24 22:03	CH	EET MID

Client Sample ID: CS-110 (2.5')

Lab Sample ID: 880-49980-37

Date Collected: 10/18/24 00:00

Matrix: Solid

Date Received: 10/18/24 16:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.99 g	5 mL	93683	10/18/24 16:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93629	10/19/24 05:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93767	10/19/24 05:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			93779	10/19/24 06:39	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	93697	10/18/24 23:09	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93701	10/19/24 06:39	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-110 (2.5')
Date Collected: 10/18/24 00:00
Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-37
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	93689	10/18/24 16:55	SA	EET MID
Soluble	Analysis	300.0		1			93717	10/20/24 22:08	CH	EET MID

Client Sample ID: CS-111 (2.5')
Date Collected: 10/18/24 00:00
Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-38
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			5.51 g	5 mL	93683	10/18/24 16:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93629	10/19/24 05:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93767	10/19/24 05:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			93779	10/19/24 06:55	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	93697	10/18/24 23:09	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93701	10/19/24 06:55	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	93689	10/18/24 16:55	SA	EET MID
Soluble	Analysis	300.0		1			93717	10/20/24 22:14	CH	EET MID

Client Sample ID: CS-112 (2.5')
Date Collected: 10/18/24 00:00
Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-39
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			5.92 g	5 mL	93683	10/18/24 16:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93629	10/19/24 05:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93767	10/19/24 05:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			93779	10/19/24 07:10	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	93697	10/18/24 23:09	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93701	10/19/24 07:10	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	93689	10/18/24 16:55	SA	EET MID
Soluble	Analysis	300.0		1			93717	10/20/24 22:19	CH	EET MID

Client Sample ID: CS-113 (2.5')
Date Collected: 10/18/24 00:00
Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-40
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	93683	10/18/24 16:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93629	10/19/24 06:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93767	10/19/24 06:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			93779	10/19/24 07:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	93697	10/18/24 23:09	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93701	10/19/24 07:26	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	93689	10/18/24 16:55	SA	EET MID
Soluble	Analysis	300.0		1			93717	10/20/24 22:24	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-114 (2.5')
Date Collected: 10/18/24 00:00
Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-41
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	93684	10/18/24 16:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93630	10/19/24 00:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93767	10/19/24 00:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			93779	10/19/24 10:21	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	93698	10/18/24 23:13	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93699	10/19/24 10:21	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	93681	10/18/24 16:11	SA	EET MID
Soluble	Analysis	300.0		1			93718	10/21/24 00:23	CH	EET MID

Client Sample ID: CS-115 (2.5')
Date Collected: 10/18/24 00:00
Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-42
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	93684	10/18/24 16:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93630	10/19/24 00:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93767	10/19/24 00:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			93779	10/19/24 09:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	93698	10/18/24 23:13	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93699	10/19/24 09:33	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	93681	10/18/24 16:11	SA	EET MID
Soluble	Analysis	300.0		1			93718	10/21/24 00:39	CH	EET MID

Client Sample ID: CS-116 (2.5')
Date Collected: 10/18/24 00:00
Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-43
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	93684	10/18/24 16:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93630	10/19/24 00:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93767	10/19/24 00:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			93779	10/19/24 10:37	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	93698	10/18/24 23:13	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93699	10/19/24 10:37	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	93681	10/18/24 16:11	SA	EET MID
Soluble	Analysis	300.0		1			93718	10/21/24 00:45	CH	EET MID

Client Sample ID: CS-117 (2.5')
Date Collected: 10/18/24 00:00
Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-44
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	93684	10/18/24 16:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93630	10/19/24 01:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93767	10/19/24 01:07	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-117 (2.5')

Date Collected: 10/18/24 00:00

Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-44

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			93779	10/19/24 10:54	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	93698	10/18/24 23:13	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93699	10/19/24 10:54	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	93681	10/18/24 16:11	SA	EET MID
Soluble	Analysis	300.0		1			93718	10/21/24 01:01	CH	EET MID

Client Sample ID: CS-118 (2.5')

Date Collected: 10/18/24 00:00

Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-45

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	93684	10/18/24 16:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93630	10/19/24 01:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93767	10/19/24 01:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			93779	10/19/24 11:09	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	93698	10/18/24 23:13	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93699	10/19/24 11:09	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	93681	10/18/24 16:11	SA	EET MID
Soluble	Analysis	300.0		1			93718	10/21/24 01:06	CH	EET MID

Client Sample ID: SW-29 (2.5')

Date Collected: 10/18/24 00:00

Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-46

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	93684	10/18/24 16:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93630	10/19/24 01:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93767	10/19/24 01:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			93779	10/19/24 11:25	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	93698	10/18/24 23:13	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93699	10/19/24 11:25	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	93681	10/18/24 16:11	SA	EET MID
Soluble	Analysis	300.0		1			93718	10/21/24 01:12	CH	EET MID

Client Sample ID: SW-30 (2.5')

Date Collected: 10/18/24 00:00

Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-47

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	93684	10/18/24 16:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93630	10/19/24 02:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93767	10/19/24 02:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			93779	10/19/24 11:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	93698	10/18/24 23:13	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93699	10/19/24 11:40	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-30 (2.5')
Date Collected: 10/18/24 00:00
Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-47
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			4.96 g	50 mL	93681	10/18/24 16:11	SA	EET MID
Soluble	Analysis	300.0		1			93718	10/21/24 01:17	CH	EET MID

Client Sample ID: SW-31 (2.5')
Date Collected: 10/18/24 00:00
Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-48
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	93684	10/18/24 16:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93630	10/19/24 02:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93767	10/19/24 02:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			93779	10/19/24 11:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	93698	10/18/24 23:13	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93699	10/19/24 11:56	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	93681	10/18/24 16:11	SA	EET MID
Soluble	Analysis	300.0		1			93718	10/21/24 01:22	CH	EET MID

Client Sample ID: SW-32 (2.5')
Date Collected: 10/18/24 00:00
Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-49
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	93684	10/18/24 16:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93630	10/19/24 02:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93767	10/19/24 02:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			93779	10/19/24 12:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	93698	10/18/24 23:13	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93699	10/19/24 12:12	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	93681	10/18/24 16:11	SA	EET MID
Soluble	Analysis	300.0		1			93718	10/21/24 01:28	CH	EET MID

Client Sample ID: SW-33 (2.5')
Date Collected: 10/18/24 00:00
Date Received: 10/18/24 16:10

Lab Sample ID: 880-49980-50
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	93684	10/18/24 16:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93630	10/19/24 03:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93767	10/19/24 03:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			93779	10/19/24 12:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	93698	10/18/24 23:13	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93699	10/19/24 12:27	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	93681	10/18/24 16:11	SA	EET MID
Soluble	Analysis	300.0		1			93718	10/21/24 01:33	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

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

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Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-49980-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-49980-1	CS-74 (2.5')	Solid	10/18/24 00:00	10/18/24 16:10
880-49980-2	CS-75 (2.5')	Solid	10/18/24 00:00	10/18/24 16:10
880-49980-3	CS-76 (2.5')	Solid	10/18/24 00:00	10/18/24 16:10
880-49980-4	CS-77 (2.5')	Solid	10/18/24 00:00	10/18/24 16:10
880-49980-5	CS-78 (2.5')	Solid	10/18/24 00:00	10/18/24 16:10
880-49980-6	CS-79 (2.5')	Solid	10/18/24 00:00	10/18/24 16:10
880-49980-7	CS-80 (2.5')	Solid	10/18/24 00:00	10/18/24 16:10
880-49980-8	CS-81 (2.5')	Solid	10/18/24 00:00	10/18/24 16:10
880-49980-9	CS-82 (2.5')	Solid	10/18/24 00:00	10/18/24 16:10
880-49980-10	CS-83 (2.5')	Solid	10/18/24 00:00	10/18/24 16:10
880-49980-11	CS-84 (2.5')	Solid	10/18/24 00:00	10/18/24 16:10
880-49980-12	CS-85 (2.5')	Solid	10/18/24 00:00	10/18/24 16:10
880-49980-13	CS-86 (2.5')	Solid	10/18/24 00:00	10/18/24 16:10
880-49980-14	CS-87 (2.5')	Solid	10/18/24 00:00	10/18/24 16:10
880-49980-15	CS-88 (2.5')	Solid	10/18/24 00:00	10/18/24 16:10
880-49980-16	CS-89 (2.5')	Solid	10/18/24 00:00	10/18/24 16:10
880-49980-17	CS-90 (2.5')	Solid	10/18/24 00:00	10/18/24 16:10
880-49980-18	CS-91 (2.5')	Solid	10/18/24 00:00	10/18/24 16:10
880-49980-19	CS-92 (2.5')	Solid	10/18/24 00:00	10/18/24 16:10
880-49980-20	CS-93 (2.5')	Solid	10/18/24 00:00	10/18/24 16:10
880-49980-21	CS-94 (2.5')	Solid	10/18/24 00:00	10/18/24 16:10
880-49980-22	CS-95 (2.5')	Solid	10/18/24 00:00	10/18/24 16:10
880-49980-23	CS-96 (2.5')	Solid	10/18/24 00:00	10/18/24 16:10
880-49980-24	CS-97 (2.5')	Solid	10/18/24 00:00	10/18/24 16:10
880-49980-25	CS-98 (2.5')	Solid	10/18/24 00:00	10/18/24 16:10
880-49980-26	CS-99 (2.5')	Solid	10/18/24 00:00	10/18/24 16:10
880-49980-27	CS-100 (2.5')	Solid	10/18/24 00:00	10/18/24 16:10
880-49980-28	CS-101 (2.5')	Solid	10/18/24 00:00	10/18/24 16:10
880-49980-29	CS-102 (2.5')	Solid	10/18/24 00:00	10/18/24 16:10
880-49980-30	CS-103 (2.5')	Solid	10/18/24 00:00	10/18/24 16:10
880-49980-31	CS-104 (2.5')	Solid	10/18/24 00:00	10/18/24 16:10
880-49980-32	CS-105 (2.5')	Solid	10/18/24 00:00	10/18/24 16:10
880-49980-33	CS-106 (2.5')	Solid	10/18/24 00:00	10/18/24 16:10
880-49980-34	CS-107 (2.5')	Solid	10/18/24 00:00	10/18/24 16:10
880-49980-35	CS-108 (2.5')	Solid	10/18/24 00:00	10/18/24 16:10
880-49980-36	CS-109 (2.5')	Solid	10/18/24 00:00	10/18/24 16:10
880-49980-37	CS-110 (2.5')	Solid	10/18/24 00:00	10/18/24 16:10
880-49980-38	CS-111 (2.5')	Solid	10/18/24 00:00	10/18/24 16:10
880-49980-39	CS-112 (2.5')	Solid	10/18/24 00:00	10/18/24 16:10
880-49980-40	CS-113 (2.5')	Solid	10/18/24 00:00	10/18/24 16:10
880-49980-41	CS-114 (2.5')	Solid	10/18/24 00:00	10/18/24 16:10
880-49980-42	CS-115 (2.5')	Solid	10/18/24 00:00	10/18/24 16:10
880-49980-43	CS-116 (2.5')	Solid	10/18/24 00:00	10/18/24 16:10
880-49980-44	CS-117 (2.5')	Solid	10/18/24 00:00	10/18/24 16:10
880-49980-45	CS-118 (2.5')	Solid	10/18/24 00:00	10/18/24 16:10
880-49980-46	SW-29 (2.5')	Solid	10/18/24 00:00	10/18/24 16:10
880-49980-47	SW-30 (2.5')	Solid	10/18/24 00:00	10/18/24 16:10
880-49980-48	SW-31 (2.5')	Solid	10/18/24 00:00	10/18/24 16:10
880-49980-49	SW-32 (2.5')	Solid	10/18/24 00:00	10/18/24 16:10
880-49980-50	SW-33 (2.5')	Solid	10/18/24 00:00	10/18/24 16:10

380-49980 Chain of Custody

Page 1 of 5

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:	6001 Deauville Blvd, Suite 300N
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-8988	Email:	laci.luig@coterra.com ashton.thielke@coterra.com

Work Order Comments

Program: ☐UST/PST ☐PRP ☐rownfields ☐RC ☐perfund

State of Project: ☐Level II ☐Level III ☐ST/UST ☐RRP ☐Level IV

Deliverables: EDD ☐ ADAPT ☐ Other:

Project Name:		Riverbend 12-13 Federal Com 33H		Turn Around		ANALYSIS REQUEST													Preservative Codes											
Project Number:		2059		☐ Routine ☒ Rush															None: NO											
Project Location		Eddy County, New Mexico		Due Date:		24 Hour															Cool: Cool									
Sampler's Name:		Cade																			HCL: HC									
PO #:																					H ₂ SO ₄ : H ₂									
SAMPLE RECEIPT				Temp Blank:		Yes ☒ No ☐		Wet Ice:		Yes ☐ No ☒		Hold													H ₃ PO ₄ : HP					
Received Intact:				Yes ☒ No ☐		Thermometer ID:				IR-8																				
Cooler Custody Seals:				Yes ☐ No ☒		Correction Factor:				5.2																				
Sample Custody Seals:				Yes ☐ No ☒		Temperature Reading:				5.1																				
Total Containers:						Corrected Temperature:																								
Sample Identification				Date		Time		Soil		Water		Grab/Comp		# of Cont															Sample Comments	
CS-74 (2.5')				10/18/2024				X				Comp		1		BTEX 8021B													None: NO	
CS-75 (2.5')				10/18/2024				X				Comp		1		TPH 8015M (GRO + DRO + MRO)													Cool: Cool	
CS-76 (2.5')				10/18/2024				X				Comp		1		Chloride 300.0													HCL: HC	
CS-77 (2.5')				10/18/2024				X				Comp		1															H ₂ SO ₄ : H ₂	
CS-78 (2.5')				10/18/2024				X				Comp		1															H ₃ PO ₄ : HP	
CS-79 (2.5')				10/18/2024				X				Comp		1															NaHSO ₄ : NABIS	
CS-80 (2.5')				10/18/2024				X				Comp		1															Na ₂ S ₂ O ₃ : NaSO ₃	
CS-81 (2.5')				10/18/2024				X				Comp		1															Zn Acetate+NaOH: Zn	
CS-82 (2.5')				10/18/2024				X				Comp		1															NaOH+Ascorbic Acid: SAPC	
CS-83 (2.5')				10/18/2024				X				Comp		1																

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Cele Munkuy	10-18-24		10/18/24

Chain of Custody

Work Order No: 950Page 2 of 5

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:	6001 Deauville Blvd, Suite 300N
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-8988	Email:	laci.luig@coterra.com, ashton.thielke@coterra.com

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

Project Name:		Riverbend 12-13 Federal Com 33H		Turn Around		Pres. Code		ANALYSIS REQUEST										Preservative Codes							
Project Number:		2059		☐ Routine ☒ Rush																					
Project Location:		Eddy County, New Mexico		Due Date:		24 Hour																			
Sampler's Name:		Cade																							
PO #:																									
SAMPLE RECEIPT		Temp Blank:		Yes		No		Wet Ice:		Yes		No													
Received Intact:		Yes		No		Thermometer ID:																			
Cooler Custody Seals:		Yes		No		N/A		Correction Factor:																	
Sample Custody Seals:		Yes		No		N/A		Temperature Reading:																	
Total Containers:								Corrected Temperature:																	
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont												Sample Comments	
CS-84 (2.5')		10/18/2024				X				Comp		1		BTEX 80218											
CS-85 (2.5')		10/18/2024				X				Comp		1		TPH 8015M (GRO + DRO + MRO)											
CS-86 (2.5')		10/18/2024				X				Comp		1		Chloride 300.0											
CS-87 (2.5')		10/18/2024				X				Comp		1													
CS-88 (2.5')		10/18/2024				X				Comp		1													
CS-89 (2.5')		10/18/2024				X				Comp		1													
CS-90 (2.5')		10/18/2024				X				Comp		1													
CS-91 (2.5')		10/18/2024				X				Comp		1													
CS-92 (2.5')		10/18/2024				X				Comp		1													
CS-93 (2.5')		10/18/2024				X				Comp		1													

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Cade Munday</i>	10-18-24		10/18/24 1610

Chain of Custody

Work Order No: 980

Page 3 of 5

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:	6001 Deauville Blvd, Suite 300N
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-8988	Email:	laci.luig@coterra.com ashton.thielke@coterra.com

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

ANALYSIS REQUEST										Preservative Codes	
Parameters										None: NO	
Turn Around										Cool: Cool	
Due Date: 24 Hour										HCL: HC	
Temp Blank: Yes No										H ₂ SO ₄ : H ₂	
Temp Blank: Yes No										H ₃ PO ₄ : HP	
Thermometer ID:										NaHSO ₄ : NABIS	
Correction Factor:										Na ₂ S ₂ O ₃ : NaSO ₃	
Temperature Reading:										Zn Acetate+NaOH: Zn	
Corrected Temperature:										NaOH+Ascorbic Acid: SAPC	
Grab/Comp										Sample Comments	
Water											
Soil											
Time											
Date											
Sample Identification											
CS-94 (2.5')		10/18/2024		Comp 1		X		X			
CS-95 (2.5')		10/18/2024		Comp 1		X		X			
CS-96 (2.5')		10/18/2024		Comp 1		X		X			
CS-97 (2.5')		10/18/2024		Comp 1		X		X			
CS-98 (2.5')		10/18/2024		Comp 1		X		X			
CS-99 (2.5')		10/18/2024		Comp 1		X		X			
CS-100 (2.5')		10/18/2024		Comp 1		X		X			
CS-101 (2.5')		10/18/2024		Comp 1		X		X			
CS-102 (2.5')		10/18/2024		Comp 1		X		X			
CS-103 (2.5')		10/18/2024		Comp 1		X		X			

Comments:	
Relinquished by: (Signature)	
Date/Time	
Received by: (Signature)	
Date/Time	
Date/Time	

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Chain of Custody

Work Order No: 986

Page 4 of 5

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:	6001 Deauville Blvd, Suite 300N
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-8988	Email:	laci.luig@coterra.com ashton.thielke@coterra.com

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

Project Name:		Riverbend 12-13 Federal Com 33H		Turn Around		Pres. Code		ANALYSIS REQUEST												Preservative Codes							
Project Number:		2059		☐ Routine ☒ Rush																		None: NO DI Water: H ₂ O					
Project Location:		Eddy County, New Mexico		Due Date:		24 Hour																Cool: Cool MeOH: Me					
Sampler's Name:		Cade																				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:																		NaHSO ₄ : NABIS					
Cooler Custody Seals:		Yes No N/A		Correction Factor:																		Na ₂ S ₂ O ₃ : NaSO ₃					
Sample Custody Seals:		Yes No N/A		Temperature Reading:																		Zn Acetate+NaOH: Zn					
Total Containers:				Corrected Temperature:																		NaOH+Ascorbic Acid: SAPC					
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont														Sample Comments	
CS-104 (2.5')		10/18/2024				X				Comp		1		BTEX 8021B													
CS-105 (2.5')		10/18/2024				X				Comp		1		TPH 8015M (GRO + DRO + MRO)													
CS-106 (2.5')		10/18/2024				X				Comp		1		Chloride 300.0													
CS-107 (2.5')		10/18/2024				X				Comp		1															
CS-108 (2.5')		10/18/2024				X				Comp		1															
CS-109 (2.5')		10/18/2024				X				Comp		1															
CS-110 (2.5')		10/18/2024				X				Comp		1															
CS-111 (2.5')		10/18/2024				X				Comp		1															
CS-112 (2.5')		10/18/2024				X				Comp		1															
CS-113 (2.5')		10/18/2024				X				Comp		1															

Comments:	

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Cade Muehling	10-18-24		10/18/24 1610

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Chain of Custody

Work Order No: 950Page 5 of 5

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:	6001 Deauville Blvd, Suite 300N
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-8988	Email:	laci.luig@colerra.com ashton.thielke@colerra.com

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

ANALYSIS REQUEST										Preservative Codes	
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	Pres. Code			
CS-114 (2.5')	10/18/2024		X		Comp	1	BTX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 300.0				None: NO DI Water: H ₂ O
CS-115 (2.5')	10/18/2024		X		Comp	1					Cool: Cool MeOH: Me
CS-116 (2.5')	10/18/2024		X		Comp	1					HCL: HC HNO ₃ : HN
CS-117 (2.5')	10/18/2024		X		Comp	1					H ₂ SO ₄ : H ₂ NaOH: Na
CS-118 (2.5')	10/18/2024		X		Comp	1					H ₃ PO ₄ : HP NaHSO ₄ : NABIS
SW-29 (2.5')	10/18/2024		X		Comp	1					Na ₂ S ₂ O ₃ : NaSO ₃
SW-30 (2.5')	10/18/2024		X		Comp	1					Zn Acetate+NaOH: Zn
SW-31 (2.5')	10/18/2024		X		Comp	1					NaOH+Ascorbic Acid: SAPC
SW-32 (2.5')	10/18/2024		X		Comp	1					
SW-33 (2.5')	10/18/2024		X		Comp	1					

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Cabe Mubry</i>	10-18-24	<i>[Signature]</i>	10/18/24

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-49980-1

SDG Number: Eddy County, New Mexico

Login Number: 49980

List Number: 1

List Source: Eurofins Midland

Creator: Vasquez, Julisa

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 10/29/2024 9:44:54 AM Revision 1

JOB DESCRIPTION

Riverbend 12-13 Federal Com 33H
Eddy County, New Mexico

JOB NUMBER

880-50046-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



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

Generated
10/29/2024 9:44:54 AM
Revision 1

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Laboratory Job ID: 880-50046-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-50046-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD 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: Riverbend 12-13 Federal Com 33H

Job ID: 880-50046-1

Job ID: 880-50046-1

Eurofins Midland

Job Narrative
880-50046-1

REVISION

The report being provided is a revision of the original report sent on 10/23/2024. The report (revision 1) is being revised due to Per client email, requesting sample ID correction.

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 10/22/2024 8:26 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -4.5°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS-29 (4.75') (880-50046-1), CS-57 (3.75') (880-50046-2), CS-58 (3.75') (880-50046-3), CS-59 (3.75') (880-50046-4), CS-60 (3.75') (880-50046-5) and CS-61 (3.75') (880-50046-6).

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 laboratory control sample (LCS) associated with preparation batch 880-93834 and analytical batch 880-93853 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (LCS 880-93834/2-A) and (880-50045-A-1-B). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS-29 (4.75') (880-50046-1), CS-57 (3.75') (880-50046-2), CS-58 (3.75') (880-50046-3), CS-59 (3.75') (880-50046-4), CS-60 (3.75') (880-50046-5), CS-61 (3.75') (880-50046-6), (880-50045-A-1-C MS) and (880-50045-A-1-D MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-93834 and analytical batch 880-93853 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28).

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 Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-50046-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-29 (4.75')

Lab Sample ID: 880-50046-1

Date Collected: 10/21/24 00:00

Matrix: Solid

Date Received: 10/22/24 08:26

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		10/22/24 09:30	10/22/24 13:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/22/24 09:30	10/22/24 13:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/22/24 09:30	10/22/24 13:04	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/22/24 09:30	10/22/24 13:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/22/24 09:30	10/22/24 13:04	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/22/24 09:30	10/22/24 13:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	10/22/24 09:30	10/22/24 13:04	1
1,4-Difluorobenzene (Surr)	95		70 - 130	10/22/24 09:30	10/22/24 13:04	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			10/22/24 13:04	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			10/22/24 14:37	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	<49.9	U ** *1	49.9		mg/Kg		10/22/24 09:13	10/22/24 14:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		10/22/24 09:13	10/22/24 14:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/22/24 09:13	10/22/24 14:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	163	S1+	70 - 130	10/22/24 09:13	10/22/24 14:37	1
o-Terphenyl	126		70 - 130	10/22/24 09:13	10/22/24 14:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	104		10.1		mg/Kg			10/22/24 12:36	1

Client Sample ID: CS-57 (3.75')

Lab Sample ID: 880-50046-2

Date Collected: 10/21/24 00:00

Matrix: Solid

Date Received: 10/22/24 08:26

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		10/22/24 09:30	10/22/24 16:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/22/24 09:30	10/22/24 16:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/22/24 09:30	10/22/24 16:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/22/24 09:30	10/22/24 16:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/22/24 09:30	10/22/24 16:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/22/24 09:30	10/22/24 16:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	10/22/24 09:30	10/22/24 16:09	1
1,4-Difluorobenzene (Surr)	96		70 - 130	10/22/24 09:30	10/22/24 16:09	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-50046-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-57 (3.75')

Lab Sample ID: 880-50046-2

Date Collected: 10/21/24 00:00

Matrix: Solid

Date Received: 10/22/24 08:26

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			10/22/24 16:09	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			10/22/24 14:53	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 ** *1	50.0		mg/Kg		10/22/24 09:13	10/22/24 14:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		10/22/24 09:13	10/22/24 14:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/22/24 09:13	10/22/24 14:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130				10/22/24 09:13	10/22/24 14:53	1
o-Terphenyl	109		70 - 130				10/22/24 09:13	10/22/24 14:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	93.5		9.96		mg/Kg			10/22/24 12:40	1

Client Sample ID: CS-58 (3.75')

Lab Sample ID: 880-50046-3

Date Collected: 10/21/24 00:00

Matrix: Solid

Date Received: 10/22/24 08:26

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		10/22/24 09:30	10/22/24 16:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/22/24 09:30	10/22/24 16:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/22/24 09:30	10/22/24 16:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/22/24 09:30	10/22/24 16:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/22/24 09:30	10/22/24 16:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/22/24 09:30	10/22/24 16:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				10/22/24 09:30	10/22/24 16:29	1
1,4-Difluorobenzene (Surr)	93		70 - 130				10/22/24 09:30	10/22/24 16:29	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			10/22/24 16:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/22/24 15:08	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 ** *1	49.8		mg/Kg		10/22/24 09:13	10/22/24 15:08	1
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8		mg/Kg		10/22/24 09:13	10/22/24 15:08	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-50046-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-58 (3.75')

Lab Sample ID: 880-50046-3

Date Collected: 10/21/24 00:00

Matrix: Solid

Date Received: 10/22/24 08:26

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		10/22/24 09:13	10/22/24 15:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	141	S1+	70 - 130				10/22/24 09:13	10/22/24 15:08	1
o-Terphenyl	111		70 - 130				10/22/24 09:13	10/22/24 15:08	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			10/22/24 12:45	1

Client Sample ID: CS-59 (3.75')

Lab Sample ID: 880-50046-4

Date Collected: 10/21/24 00:00

Matrix: Solid

Date Received: 10/22/24 08:26

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		10/22/24 09:30	10/22/24 16:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/22/24 09:30	10/22/24 16:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/22/24 09:30	10/22/24 16:50	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/22/24 09:30	10/22/24 16:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/22/24 09:30	10/22/24 16:50	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/22/24 09:30	10/22/24 16:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				10/22/24 09:30	10/22/24 16:50	1
1,4-Difluorobenzene (Surr)	94		70 - 130				10/22/24 09:30	10/22/24 16:50	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			10/22/24 16:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/22/24 15:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U ** *1	50.0		mg/Kg		10/22/24 09:13	10/22/24 15:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		10/22/24 09:13	10/22/24 15:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/22/24 09:13	10/22/24 15:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	133	S1+	70 - 130				10/22/24 09:13	10/22/24 15:24	1
o-Terphenyl	103		70 - 130				10/22/24 09:13	10/22/24 15:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	108		10.1		mg/Kg			10/22/24 15:10	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-50046-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-60 (3.75')

Lab Sample ID: 880-50046-5

Date Collected: 10/21/24 00:00

Matrix: Solid

Date Received: 10/22/24 08:26

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		10/22/24 09:30	10/22/24 17:10	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/22/24 09:30	10/22/24 17:10	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/22/24 09:30	10/22/24 17:10	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/22/24 09:30	10/22/24 17:10	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/22/24 09:30	10/22/24 17:10	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/22/24 09:30	10/22/24 17:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	10/22/24 09:30	10/22/24 17:10	1
1,4-Difluorobenzene (Surr)	95		70 - 130	10/22/24 09:30	10/22/24 17:10	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			10/22/24 17:10	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			10/22/24 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	<49.8	U ** *1	49.8		mg/Kg		10/22/24 09:13	10/22/24 15:39	1
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8		mg/Kg		10/22/24 09:13	10/22/24 15:39	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/22/24 09:13	10/22/24 15:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130	10/22/24 09:13	10/22/24 15:39	1
o-Terphenyl	102		70 - 130	10/22/24 09:13	10/22/24 15:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	105		10.1		mg/Kg			10/22/24 15:30	1

Client Sample ID: CS-61 (3.75')

Lab Sample ID: 880-50046-6

Date Collected: 10/21/24 00:00

Matrix: Solid

Date Received: 10/22/24 08:26

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		10/22/24 09:30	10/22/24 17:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/22/24 09:30	10/22/24 17:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/22/24 09:30	10/22/24 17:31	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/22/24 09:30	10/22/24 17:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/22/24 09:30	10/22/24 17:31	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/22/24 09:30	10/22/24 17:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	10/22/24 09:30	10/22/24 17:31	1
1,4-Difluorobenzene (Surr)	92		70 - 130	10/22/24 09:30	10/22/24 17:31	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-50046-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-61 (3.75')
Date Collected: 10/21/24 00:00
Date Received: 10/22/24 08:26

Lab Sample ID: 880-50046-6
Matrix: Solid

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			10/22/24 17:31	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.7	U	49.7		mg/Kg			10/22/24 16:10	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 *+ *1	49.7		mg/Kg		10/22/24 09:13	10/22/24 16:10	1	
Diesel Range Organics (Over C10-C28)	<49.7	U *1	49.7		mg/Kg		10/22/24 09:13	10/22/24 16:10	1	
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/22/24 09:13	10/22/24 16:10	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	139	S1+	70 - 130				10/22/24 09:13	10/22/24 16:10	1	
o-Terphenyl	105		70 - 130				10/22/24 09:13	10/22/24 16:10	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	98.5		10.0		mg/Kg			10/22/24 15:37	1	

Surrogate Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-50046-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
880-50045-A-1-E MS	Matrix Spike	107	100
880-50045-A-1-F MSD	Matrix Spike Duplicate	97	103
880-50046-1	CS-29 (4.75')	119	95
880-50046-2	CS-57 (3.75')	114	96
880-50046-3	CS-58 (3.75')	120	93
880-50046-4	CS-59 (3.75')	117	94
880-50046-5	CS-60 (3.75')	110	95
880-50046-6	CS-61 (3.75')	119	92
LCS 880-93837/1-A	Lab Control Sample	98	100
LCSD 880-93837/2-A	Lab Control Sample Dup	101	101
MB 880-93837/5-A	Method Blank	109	88

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO1	OTPH1
		(70-130)	(70-130)
880-50045-A-1-C MS	Matrix Spike	142 S1+	127
880-50045-A-1-D MSD	Matrix Spike Duplicate	146 S1+	128
880-50046-1	CS-29 (4.75')	163 S1+	126
880-50046-2	CS-57 (3.75')	136 S1+	109
880-50046-3	CS-58 (3.75')	141 S1+	111
880-50046-4	CS-59 (3.75')	133 S1+	103
880-50046-5	CS-60 (3.75')	132 S1+	102
880-50046-6	CS-61 (3.75')	139 S1+	105
LCS 880-93834/2-A	Lab Control Sample	191 S1+	173 S1+
LCSD 880-93834/3-A	Lab Control Sample Dup	123	111
MB 880-93834/1-A	Method Blank	100	82

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-50046-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-93837/5-A

Matrix: Solid

Analysis Batch: 93821

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 93837

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/22/24 09:30	10/22/24 11:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/22/24 09:30	10/22/24 11:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/22/24 09:30	10/22/24 11:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/22/24 09:30	10/22/24 11:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/22/24 09:30	10/22/24 11:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/22/24 09:30	10/22/24 11:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	10/22/24 09:30	10/22/24 11:20	1
1,4-Difluorobenzene (Surr)	88		70 - 130	10/22/24 09:30	10/22/24 11:20	1

Lab Sample ID: LCS 880-93837/1-A

Matrix: Solid

Analysis Batch: 93821

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 93837

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1042		mg/Kg		104	70 - 130
Toluene	0.100	0.1050		mg/Kg		105	70 - 130
Ethylbenzene	0.100	0.1026		mg/Kg		103	70 - 130
m-Xylene & p-Xylene	0.200	0.2017		mg/Kg		101	70 - 130
o-Xylene	0.100	0.1014		mg/Kg		101	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-93837/2-A

Matrix: Solid

Analysis Batch: 93821

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 93837

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1055		mg/Kg		105	70 - 130	1	35
Toluene	0.100	0.1058		mg/Kg		106	70 - 130	1	35
Ethylbenzene	0.100	0.1037		mg/Kg		104	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2028		mg/Kg		101	70 - 130	1	35
o-Xylene	0.100	0.1020		mg/Kg		102	70 - 130	1	35

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

Lab Sample ID: 880-50045-A-1-E MS

Matrix: Solid

Analysis Batch: 93821

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 93837

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.09897		mg/Kg		99	70 - 130
Toluene	<0.00201	U	0.100	0.09839		mg/Kg		98	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-50046-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-50045-A-1-E MS

Matrix: Solid

Analysis Batch: 93821

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 93837

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.100	0.09580		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1877		mg/Kg		94	70 - 130
o-Xylene	<0.00201	U	0.100	0.09422		mg/Kg		94	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 880-50045-A-1-F MSD

Matrix: Solid

Analysis Batch: 93821

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 93837

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.1054		mg/Kg		105	70 - 130	6	35
Toluene	<0.00201	U	0.100	0.1046		mg/Kg		105	70 - 130	6	35
Ethylbenzene	<0.00201	U	0.100	0.1021		mg/Kg		102	70 - 130	6	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2003		mg/Kg		100	70 - 130	7	35
o-Xylene	<0.00201	U	0.100	0.1011		mg/Kg		101	70 - 130	7	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

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

Lab Sample ID: MB 880-93834/1-A

Matrix: Solid

Analysis Batch: 93853

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 93834

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		10/22/24 09:13	10/22/24 10:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/22/24 09:13	10/22/24 10:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/22/24 09:13	10/22/24 10:38	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	10/22/24 09:13	10/22/24 10:38	1
o-Terphenyl	82		70 - 130	10/22/24 09:13	10/22/24 10:38	1

Lab Sample ID: LCS 880-93834/2-A

Matrix: Solid

Analysis Batch: 93853

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 93834

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1395	*+	mg/Kg		139	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1136		mg/Kg		114	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-50046-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-93834/2-A
Matrix: Solid
Analysis Batch: 93853

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 93834

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	191	S1+	70 - 130
o-Terphenyl	173	S1+	70 - 130

Lab Sample ID: LCSD 880-93834/3-A
Matrix: Solid
Analysis Batch: 93853

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 93834

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	904.8	*1	mg/Kg		90	70 - 130	43	20
Diesel Range Organics (Over C10-C28)			1000	731.2	*1	mg/Kg		73	70 - 130	43	20
Surrogate	LCSD	LCSD									
	%Recovery	Qualifier	Limits								
1-Chlorooctane	123		70 - 130								
o-Terphenyl	111		70 - 130								

Lab Sample ID: 880-50045-A-1-C MS
Matrix: Solid
Analysis Batch: 93853

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 93834

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 *+ *1	993	948.7		mg/Kg		96	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U *1	993	768.6		mg/Kg		77	70 - 130		
Surrogate	MS	MS									
	%Recovery	Qualifier	Limits								
1-Chlorooctane	142	S1+	70 - 130								
o-Terphenyl	127		70 - 130								

Lab Sample ID: 880-50045-A-1-D MSD
Matrix: Solid
Analysis Batch: 93853

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 93834

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 *+ *1	993	976.3		mg/Kg		98	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U *1	993	779.1		mg/Kg		78	70 - 130	1	20
Surrogate	MSD	MSD									
	%Recovery	Qualifier	Limits								
1-Chlorooctane	146	S1+	70 - 130								
o-Terphenyl	128		70 - 130								

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-50046-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-93817/1-A

Matrix: Solid

Analysis Batch: 93823

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			10/22/24 08:46	1

Lab Sample ID: LCS 880-93817/2-A

Matrix: Solid

Analysis Batch: 93823

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	226.4		mg/Kg		91	90 - 110

Lab Sample ID: LCSD 880-93817/3-A

Matrix: Solid

Analysis Batch: 93823

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	234.5		mg/Kg		94	90 - 110	4	20

Lab Sample ID: 880-50045-A-2-B MS

Matrix: Solid

Analysis Batch: 93823

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	29.6		249	262.4		mg/Kg		94	90 - 110

Lab Sample ID: 880-50045-A-2-C MSD

Matrix: Solid

Analysis Batch: 93823

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	29.6		249	262.2		mg/Kg		94	90 - 110	0	20

Lab Sample ID: MB 880-93868/1-A

Matrix: Solid

Analysis Batch: 93870

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			10/22/24 14:49	1

Lab Sample ID: LCS 880-93868/2-A

Matrix: Solid

Analysis Batch: 93870

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	247.1		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-93868/3-A

Matrix: Solid

Analysis Batch: 93870

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	245.1		mg/Kg		98	90 - 110	1	20

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-50046-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-50046-4 MS							Client Sample ID: CS-59 (3.75')				
Matrix: Solid							Prep Type: Soluble				
Analysis Batch: 93870											
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	108		253	364.3		mg/Kg		101	90 - 110		

Lab Sample ID: 880-50046-4 MSD							Client Sample ID: CS-59 (3.75')				
Matrix: Solid							Prep Type: Soluble				
Analysis Batch: 93870											
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	108		253	358.5		mg/Kg		99	90 - 110	2	20

QC Association Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-50046-1
SDG: Eddy County, New Mexico

GC VOA

Analysis Batch: 93821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50046-1	CS-29 (4.75')	Total/NA	Solid	8021B	93837
880-50046-2	CS-57 (3.75')	Total/NA	Solid	8021B	93837
880-50046-3	CS-58 (3.75')	Total/NA	Solid	8021B	93837
880-50046-4	CS-59 (3.75')	Total/NA	Solid	8021B	93837
880-50046-5	CS-60 (3.75')	Total/NA	Solid	8021B	93837
880-50046-6	CS-61 (3.75')	Total/NA	Solid	8021B	93837
MB 880-93837/5-A	Method Blank	Total/NA	Solid	8021B	93837
LCS 880-93837/1-A	Lab Control Sample	Total/NA	Solid	8021B	93837
LCSD 880-93837/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	93837
880-50045-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	93837
880-50045-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	93837

Prep Batch: 93837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50046-1	CS-29 (4.75')	Total/NA	Solid	5035	
880-50046-2	CS-57 (3.75')	Total/NA	Solid	5035	
880-50046-3	CS-58 (3.75')	Total/NA	Solid	5035	
880-50046-4	CS-59 (3.75')	Total/NA	Solid	5035	
880-50046-5	CS-60 (3.75')	Total/NA	Solid	5035	
880-50046-6	CS-61 (3.75')	Total/NA	Solid	5035	
MB 880-93837/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-93837/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-93837/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-50045-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
880-50045-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 93918

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50046-1	CS-29 (4.75')	Total/NA	Solid	Total BTEX	
880-50046-2	CS-57 (3.75')	Total/NA	Solid	Total BTEX	
880-50046-3	CS-58 (3.75')	Total/NA	Solid	Total BTEX	
880-50046-4	CS-59 (3.75')	Total/NA	Solid	Total BTEX	
880-50046-5	CS-60 (3.75')	Total/NA	Solid	Total BTEX	
880-50046-6	CS-61 (3.75')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 93834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50046-1	CS-29 (4.75')	Total/NA	Solid	8015NM Prep	
880-50046-2	CS-57 (3.75')	Total/NA	Solid	8015NM Prep	
880-50046-3	CS-58 (3.75')	Total/NA	Solid	8015NM Prep	
880-50046-4	CS-59 (3.75')	Total/NA	Solid	8015NM Prep	
880-50046-5	CS-60 (3.75')	Total/NA	Solid	8015NM Prep	
880-50046-6	CS-61 (3.75')	Total/NA	Solid	8015NM Prep	
MB 880-93834/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-93834/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-93834/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-50045-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-50045-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-50046-1
SDG: Eddy County, New Mexico

GC Semi VOA

Analysis Batch: 93853

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50046-1	CS-29 (4.75')	Total/NA	Solid	8015B NM	93834
880-50046-2	CS-57 (3.75')	Total/NA	Solid	8015B NM	93834
880-50046-3	CS-58 (3.75')	Total/NA	Solid	8015B NM	93834
880-50046-4	CS-59 (3.75')	Total/NA	Solid	8015B NM	93834
880-50046-5	CS-60 (3.75')	Total/NA	Solid	8015B NM	93834
880-50046-6	CS-61 (3.75')	Total/NA	Solid	8015B NM	93834
MB 880-93834/1-A	Method Blank	Total/NA	Solid	8015B NM	93834
LCS 880-93834/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	93834
LCSD 880-93834/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	93834
880-50045-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	93834
880-50045-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	93834

Analysis Batch: 93889

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50046-1	CS-29 (4.75')	Total/NA	Solid	8015 NM	
880-50046-2	CS-57 (3.75')	Total/NA	Solid	8015 NM	
880-50046-3	CS-58 (3.75')	Total/NA	Solid	8015 NM	
880-50046-4	CS-59 (3.75')	Total/NA	Solid	8015 NM	
880-50046-5	CS-60 (3.75')	Total/NA	Solid	8015 NM	
880-50046-6	CS-61 (3.75')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 93817

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50046-1	CS-29 (4.75')	Soluble	Solid	DI Leach	
880-50046-2	CS-57 (3.75')	Soluble	Solid	DI Leach	
880-50046-3	CS-58 (3.75')	Soluble	Solid	DI Leach	
MB 880-93817/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-93817/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-93817/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-50045-A-2-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-50045-A-2-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 93823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50046-1	CS-29 (4.75')	Soluble	Solid	300.0	93817
880-50046-2	CS-57 (3.75')	Soluble	Solid	300.0	93817
880-50046-3	CS-58 (3.75')	Soluble	Solid	300.0	93817
MB 880-93817/1-A	Method Blank	Soluble	Solid	300.0	93817
LCS 880-93817/2-A	Lab Control Sample	Soluble	Solid	300.0	93817
LCSD 880-93817/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	93817
880-50045-A-2-B MS	Matrix Spike	Soluble	Solid	300.0	93817
880-50045-A-2-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	93817

Leach Batch: 93868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50046-4	CS-59 (3.75')	Soluble	Solid	DI Leach	
880-50046-5	CS-60 (3.75')	Soluble	Solid	DI Leach	
880-50046-6	CS-61 (3.75')	Soluble	Solid	DI Leach	
MB 880-93868/1-A	Method Blank	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-50046-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Leach Batch: 93868 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-93868/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-93868/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-50046-4 MS	CS-59 (3.75')	Soluble	Solid	DI Leach	
880-50046-4 MSD	CS-59 (3.75')	Soluble	Solid	DI Leach	

Analysis Batch: 93870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50046-4	CS-59 (3.75')	Soluble	Solid	300.0	93868
880-50046-5	CS-60 (3.75')	Soluble	Solid	300.0	93868
880-50046-6	CS-61 (3.75')	Soluble	Solid	300.0	93868
MB 880-93868/1-A	Method Blank	Soluble	Solid	300.0	93868
LCS 880-93868/2-A	Lab Control Sample	Soluble	Solid	300.0	93868
LCSD 880-93868/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	93868
880-50046-4 MS	CS-59 (3.75')	Soluble	Solid	300.0	93868
880-50046-4 MSD	CS-59 (3.75')	Soluble	Solid	300.0	93868

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-50046-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-29 (4.75')
Date Collected: 10/21/24 00:00
Date Received: 10/22/24 08:26

Lab Sample ID: 880-50046-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	93837	10/22/24 09:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93821	10/22/24 13:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93918	10/22/24 13:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			93889	10/22/24 14:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	93834	10/22/24 09:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93853	10/22/24 14:37	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	93817	10/22/24 08:35	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93823	10/22/24 12:36	CH	EET MID

Client Sample ID: CS-57 (3.75')
Date Collected: 10/21/24 00:00
Date Received: 10/22/24 08:26

Lab Sample ID: 880-50046-2
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			5.02 g	5 mL	93837	10/22/24 09:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93821	10/22/24 16:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93918	10/22/24 16:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			93889	10/22/24 14:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	93834	10/22/24 09:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93853	10/22/24 14:53	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	93817	10/22/24 08:35	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93823	10/22/24 12:40	CH	EET MID

Client Sample ID: CS-58 (3.75')
Date Collected: 10/21/24 00:00
Date Received: 10/22/24 08:26

Lab Sample ID: 880-50046-3
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	93837	10/22/24 09:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93821	10/22/24 16:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93918	10/22/24 16:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			93889	10/22/24 15:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	93834	10/22/24 09:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93853	10/22/24 15:08	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	93817	10/22/24 08:35	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93823	10/22/24 12:45	CH	EET MID

Client Sample ID: CS-59 (3.75')
Date Collected: 10/21/24 00:00
Date Received: 10/22/24 08:26

Lab Sample ID: 880-50046-4
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			5.01 g	5 mL	93837	10/22/24 09:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93821	10/22/24 16:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93918	10/22/24 16:50	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-50046-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-59 (3.75')
Date Collected: 10/21/24 00:00
Date Received: 10/22/24 08:26

Lab Sample ID: 880-50046-4
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			93889	10/22/24 15:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	93834	10/22/24 09:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93853	10/22/24 15:24	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	93868	10/22/24 13:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93870	10/22/24 15:10	CH	EET MID

Client Sample ID: CS-60 (3.75')
Date Collected: 10/21/24 00:00
Date Received: 10/22/24 08:26

Lab Sample ID: 880-50046-5
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			4.97 g	5 mL	93837	10/22/24 09:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93821	10/22/24 17:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93918	10/22/24 17:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			93889	10/22/24 15:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	93834	10/22/24 09:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93853	10/22/24 15:39	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	93868	10/22/24 13:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93870	10/22/24 15:30	CH	EET MID

Client Sample ID: CS-61 (3.75')
Date Collected: 10/21/24 00:00
Date Received: 10/22/24 08:26

Lab Sample ID: 880-50046-6
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	93837	10/22/24 09:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93821	10/22/24 17:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93918	10/22/24 17:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			93889	10/22/24 16:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	93834	10/22/24 09:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93853	10/22/24 16:10	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	93868	10/22/24 13:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93870	10/22/24 15:37	CH	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-50046-1
SDG: Eddy County, New Mexico

Laboratory: Eurofins Midland

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

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

Method Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-50046-1
SDG: Eddy County, New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-50046-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-50046-1	CS-29 (4.75')	Solid	10/21/24 00:00	10/22/24 08:26
880-50046-2	CS-57 (3.75')	Solid	10/21/24 00:00	10/22/24 08:26
880-50046-3	CS-58 (3.75')	Solid	10/21/24 00:00	10/22/24 08:26
880-50046-4	CS-59 (3.75')	Solid	10/21/24 00:00	10/22/24 08:26
880-50046-5	CS-60 (3.75')	Solid	10/21/24 00:00	10/22/24 08:26
880-50046-6	CS-61 (3.75')	Solid	10/21/24 00:00	10/22/24 08:26



Chain of Custody



880-50046 Chain of Custody

Page 1 of 1

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:	6001 Deauville Blvd, Suite 300N
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-8988	Email:	laci.luig@coterra.com ashton.thielke@coterra.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Ironfields ☐ RC ☐ perfund ☐

State of Project: ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Reporting: Level II ☐ Reporting: Level III ☐ Reporting: Level IV ☐

Deliverables: EDD ☐ ADAPT ☐ Other: ☐

Project Name:		Riverbend 12-13 Federal Cor 33H		Turn Around		ANALYSIS REQUEST										Preservative Codes					
Project Number:		2059		☐ Routine ☒ Rush												None: NO					
Project Location:		Eddy County, New Mexico		Due Date:		24 Hour												Cool: Cool			
Sampler's Name:		Cade																HCL: HC			
PO #:																		H ₂ SO ₄ : H ₂			
SAMPLE RECEIPT		Temp Blank:		Yes No		Wet Ice:		Yes No		BTEX 8021B TPH 8016M (GRO + DRO + MRO) Chloride 300.0 Hold										H ₃ PO ₄ : HP	
Received Intact:		Yes No		Thermometer ID:		PR-8															
Cooler Custody Seals:		Yes No		Correction Factor:		-0.7															
Sample Custody Seals:		Yes No		Temperature Reading:		-0.4															
Total Containers:				Corrected Temperature:		-0.3															
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont		Sample Comments							
CS-29 (4.75')		10/21/2024				X				Comp		1									
CS-57 (3.75')		10/21/2024				X				Comp		1									
CS-58 (3.75')		10/21/2024				X				Comp		1									
CS-59 (3.75')		10/21/2024				X				Comp		1									
CS-60 (3.75')		10/21/2024				X				Comp		1									
CS-61 (3.75')		10/21/2024				X				Comp		1		NaOH+Ascorbic Acid: SAPC							

Comments:

Comments:		Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			10/22/24 0826		10/22/24 0826

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-50046-1
SDG Number: Eddy County, New Mexico

Login Number: 50046
List Number: 1
Creator: Vasquez, Julisa

List Source: Eurofins Midland

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

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JOB DESCRIPTION

Riverbend 12-13 Federal Com 33H
Eddy County, New Mexico

JOB NUMBER

880-50461-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



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11/1/2024 7:23:57 PM

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

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Laboratory Job ID: 880-50461-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-50461-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
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: Riverbend 12-13 Federal Com 33H

Job ID: 880-50461-1

Job ID: 880-50461-1

Eurofins Midland

Job Narrative 880-50461-1

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 10/31/2024 8:21 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.5°C.

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: R360-Backfill (880-50461-1).

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: The surrogate recovery for the blank associated with preparation batch 880-94523 and analytical batch 880-94538 was outside the upper control limits.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (LCS 880-94523/2-A) and (LCSD 880-94523/3-A). Percent recoveries are based on the amount spiked.

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: Riverbend 12-13 Federal Com 33H

Job ID: 880-50461-1
SDG: Eddy County, New Mexico

Client Sample ID: R360-Backfill

Lab Sample ID: 880-50461-1

Date Collected: 10/30/24 00:00

Matrix: Solid

Date Received: 10/31/24 08:21

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		10/31/24 08:40	10/31/24 11:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/31/24 08:40	10/31/24 11:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/31/24 08:40	10/31/24 11:17	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/31/24 08:40	10/31/24 11:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/31/24 08:40	10/31/24 11:17	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/31/24 08:40	10/31/24 11:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	10/31/24 08:40	10/31/24 11:17	1
1,4-Difluorobenzene (Surr)	94		70 - 130	10/31/24 08:40	10/31/24 11:17	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			10/31/24 11:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/31/24 15:10	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		10/31/24 13:33	10/31/24 15:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/31/24 13:33	10/31/24 15:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/31/24 13:33	10/31/24 15:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	10/31/24 13:33	10/31/24 15:10	1
o-Terphenyl	86		70 - 130	10/31/24 13:33	10/31/24 15:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	111		10.0		mg/Kg			10/31/24 13:33	1

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-50461-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-50461-1	R360-Backfill	121	94
880-50461-1 MS	R360-Backfill	99	100
880-50461-1 MSD	R360-Backfill	99	100
LCS 880-94487/1-A	Lab Control Sample	97	101
LCSD 880-94487/2-A	Lab Control Sample Dup	103	105
MB 880-94487/5-A	Method Blank	115	91
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-50461-1	R360-Backfill	94	86
880-50461-1 MS	R360-Backfill	89	92
880-50461-1 MSD	R360-Backfill	89	90
LCS 880-94523/2-A	Lab Control Sample	172 S1+	176 S1+
LCSD 880-94523/3-A	Lab Control Sample Dup	172 S1+	175 S1+
MB 880-94523/1-A	Method Blank	139 S1+	132 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-50461-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-94487/5-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 94482							Prep Batch: 94487		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/31/24 08:40	10/31/24 10:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/31/24 08:40	10/31/24 10:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/31/24 08:40	10/31/24 10:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/31/24 08:40	10/31/24 10:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/31/24 08:40	10/31/24 10:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/31/24 08:40	10/31/24 10:55	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				10/31/24 08:40	10/31/24 10:55	1
1,4-Difluorobenzene (Surr)	91		70 - 130				10/31/24 08:40	10/31/24 10:55	1

Lab Sample ID: LCS 880-94487/1-A							Client Sample ID: Lab Control Sample		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 94482							Prep Batch: 94487		
Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Benzene		0.100	0.1078		mg/Kg		108	70 - 130	
Toluene		0.100	0.1076		mg/Kg		108	70 - 130	
Ethylbenzene		0.100	0.1049		mg/Kg		105	70 - 130	
m-Xylene & p-Xylene		0.200	0.2061		mg/Kg		103	70 - 130	
o-Xylene		0.100	0.1034		mg/Kg		103	70 - 130	
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	97		70 - 130						
1,4-Difluorobenzene (Surr)	101		70 - 130						

Lab Sample ID: LCSD 880-94487/2-A							Client Sample ID: Lab Control Sample Dup			
Matrix: Solid							Prep Type: Total/NA			
Analysis Batch: 94482							Prep Batch: 94487			
Analyte		Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene		0.100	0.1146		mg/Kg		115	70 - 130	6	35
Toluene		0.100	0.1133		mg/Kg		113	70 - 130	5	35
Ethylbenzene		0.100	0.1106		mg/Kg		111	70 - 130	5	35
m-Xylene & p-Xylene		0.200	0.2180		mg/Kg		109	70 - 130	6	35
o-Xylene		0.100	0.1090		mg/Kg		109	70 - 130	5	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits							
4-Bromofluorobenzene (Surr)	103		70 - 130							
1,4-Difluorobenzene (Surr)	105		70 - 130							

Lab Sample ID: 880-50461-1 MS							Client Sample ID: R360-Backfill		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 94482							Prep Batch: 94487		
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1069		mg/Kg		107	70 - 130
Toluene	<0.00200	U	0.100	0.1072		mg/Kg		107	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-50461-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-50461-1 MS
Matrix: Solid
Analysis Batch: 94482

Client Sample ID: R360-Backfill
Prep Type: Total/NA
Prep Batch: 94487

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.1008		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1979		mg/Kg		99	70 - 130
o-Xylene	<0.00200	U	0.100	0.09846		mg/Kg		98	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	99		70 - 130						
1,4-Difluorobenzene (Surr)	100		70 - 130						

Lab Sample ID: 880-50461-1 MSD
Matrix: Solid
Analysis Batch: 94482

Client Sample ID: R360-Backfill
Prep Type: Total/NA
Prep Batch: 94487

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	0.1080		mg/Kg		108	70 - 130	1	35
Toluene	<0.00200	U	0.100	0.1094		mg/Kg		109	70 - 130	2	35
Ethylbenzene	<0.00200	U	0.100	0.1036		mg/Kg		104	70 - 130	3	35
m-Xylene & p-Xylene	<0.00401	U	0.200	0.2036		mg/Kg		102	70 - 130	3	35
o-Xylene	<0.00200	U	0.100	0.1019		mg/Kg		102	70 - 130	3	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	99		70 - 130								
1,4-Difluorobenzene (Surr)	100		70 - 130								

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

Lab Sample ID: MB 880-94523/1-A
Matrix: Solid
Analysis Batch: 94538

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 94523

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		10/31/24 09:00	10/31/24 09:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/31/24 09:00	10/31/24 09:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/31/24 09:00	10/31/24 09:52	1
Surrogate	MB %Recovery	MB Qualifier	Limits						
1-Chlorooctane	139	S1+	70 - 130						
o-Terphenyl	132	S1+	70 - 130						

Lab Sample ID: LCS 880-94523/2-A
Matrix: Solid
Analysis Batch: 94538

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 94523

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1087		mg/Kg		109	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1107		mg/Kg		111	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-50461-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-94523/2-A
Matrix: Solid
Analysis Batch: 94538

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 94523

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	172	S1+	70 - 130
o-Terphenyl	176	S1+	70 - 130

Lab Sample ID: LCSD 880-94523/3-A
Matrix: Solid
Analysis Batch: 94538

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 94523

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1129		mg/Kg		113	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	1064		mg/Kg		106	70 - 130	4	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	172	S1+	70 - 130
o-Terphenyl	175	S1+	70 - 130

Lab Sample ID: 880-50461-1 MS
Matrix: Solid
Analysis Batch: 94538

Client Sample ID: R360-Backfill
Prep Type: Total/NA
Prep Batch: 94523

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	868.3		mg/Kg		87	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	949.0		mg/Kg		95	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	89		70 - 130
o-Terphenyl	92		70 - 130

Lab Sample ID: 880-50461-1 MSD
Matrix: Solid
Analysis Batch: 94538

Client Sample ID: R360-Backfill
Prep Type: Total/NA
Prep Batch: 94523

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	1000	873.0		mg/Kg		87	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	937.9		mg/Kg		94	70 - 130	1	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	89		70 - 130
o-Terphenyl	90		70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-50461-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-94480/1-A

Matrix: Solid

Analysis Batch: 94502

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			10/31/24 10:42	1

Lab Sample ID: LCS 880-94480/2-A

Matrix: Solid

Analysis Batch: 94502

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	251.0		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-94480/3-A

Matrix: Solid

Analysis Batch: 94502

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	260.6		mg/Kg		104	90 - 110	4	20

Lab Sample ID: 880-50454-A-13-B MS

Matrix: Solid

Analysis Batch: 94502

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	103		248	345.3		mg/Kg		98	90 - 110

Lab Sample ID: 880-50454-A-13-C MSD

Matrix: Solid

Analysis Batch: 94502

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	103		248	341.6		mg/Kg		97	90 - 110	1	20

QC Association Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-50461-1
SDG: Eddy County, New Mexico

GC VOA

Analysis Batch: 94482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50461-1	R360-Backfill	Total/NA	Solid	8021B	94487
MB 880-94487/5-A	Method Blank	Total/NA	Solid	8021B	94487
LCS 880-94487/1-A	Lab Control Sample	Total/NA	Solid	8021B	94487
LCSD 880-94487/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	94487
880-50461-1 MS	R360-Backfill	Total/NA	Solid	8021B	94487
880-50461-1 MSD	R360-Backfill	Total/NA	Solid	8021B	94487

Prep Batch: 94487

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50461-1	R360-Backfill	Total/NA	Solid	5035	
MB 880-94487/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-94487/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-94487/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-50461-1 MS	R360-Backfill	Total/NA	Solid	5035	
880-50461-1 MSD	R360-Backfill	Total/NA	Solid	5035	

Analysis Batch: 94657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50461-1	R360-Backfill	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 94523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50461-1	R360-Backfill	Total/NA	Solid	8015NM Prep	
MB 880-94523/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-94523/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-94523/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-50461-1 MS	R360-Backfill	Total/NA	Solid	8015NM Prep	
880-50461-1 MSD	R360-Backfill	Total/NA	Solid	8015NM Prep	

Analysis Batch: 94538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50461-1	R360-Backfill	Total/NA	Solid	8015B NM	94523
MB 880-94523/1-A	Method Blank	Total/NA	Solid	8015B NM	94523
LCS 880-94523/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	94523
LCSD 880-94523/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	94523
880-50461-1 MS	R360-Backfill	Total/NA	Solid	8015B NM	94523
880-50461-1 MSD	R360-Backfill	Total/NA	Solid	8015B NM	94523

Analysis Batch: 94611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50461-1	R360-Backfill	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 94480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50461-1	R360-Backfill	Soluble	Solid	DI Leach	
MB 880-94480/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-94480/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-94480/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-50461-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Leach Batch: 94480 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50454-A-13-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-50454-A-13-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 94502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50461-1	R360-Backfill	Soluble	Solid	300.0	94480
MB 880-94480/1-A	Method Blank	Soluble	Solid	300.0	94480
LCS 880-94480/2-A	Lab Control Sample	Soluble	Solid	300.0	94480
LCSD 880-94480/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	94480
880-50454-A-13-B MS	Matrix Spike	Soluble	Solid	300.0	94480
880-50454-A-13-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	94480

Lab Chronicle

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-50461-1
SDG: Eddy County, New Mexico

Client Sample ID: R360-Backfill
Date Collected: 10/30/24 00:00
Date Received: 10/31/24 08:21

Lab Sample ID: 880-50461-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	94487	10/31/24 08:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	94482	10/31/24 11:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94657	10/31/24 11:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			94611	10/31/24 15:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	94523	10/31/24 13:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	94538	10/31/24 15:10	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	94480	10/31/24 08:43	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	94502	10/31/24 13:33	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: Riverbend 12-13 Federal Com 33H

Job ID: 880-50461-1
SDG: Eddy County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-50461-1
SDG: Eddy County, New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Riverbend 12-13 Federal Com 33H

Job ID: 880-50461-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-50461-1	R360-Backfill	Solid	10/30/24 00:00	10/31/24 08:21

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

Chain of Custody

Project Manager:	Ashton Thielke	Bill to: (if different)	Laci Luig
Company Name:	Carmora Resources	Company Name:	Cimarex Energy
Address:	310 W Wall St Ste 500	Address:	6001 Deauville Blvd, Suite 300N
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-8988	Email:	laci.luig@coterra.com ashton.thielke@coterra.com

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



880-50461 Chain of Custody

Page 1 of 1

[illegible]

Comments:

[illegible]

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-50461-1
SDG Number: Eddy County, New Mexico

Login Number: 50461
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

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

QUESTIONS

Action 412001

QUESTIONS

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 412001
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nRM2003750457
Incident Name	NRM2003750457 RIVERBEND 12 13 FEDERAL COM 33H @ 30-015-45974
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-45974] RIVERBEND 12 13 FEDERAL COM #033H

Location of Release Source

Please answer all the questions in this group.

Site Name	RIVERBEND 12 13 FEDERAL COM 33H
Date Release Discovered	02/02/2020
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 Other (Specify) Produced Water Released: 40 BBL Recovered: 40 BBL Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 412001

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 412001
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Laci Luig Title: ES&H Specialist Email: DL_PermianEnvironmental@coterra.com Date: 12/16/2024

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QUESTIONS, Page 3

Action 412001

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID:
	215099
	Action Number:
	412001
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 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 ½ and 1 (mi.)
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 ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	23000
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	378
GRO+DRO (EPA SW-846 Method 8015M)	378
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	10/03/2024
On what date will (or did) the final sampling or liner inspection occur	10/10/2024
On what date will (or was) the remediation complete(d)	10/31/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	22257
What is the estimated volume (in cubic yards) that will be remediated	4752
<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 412001

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 412001
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	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: Laci Luig Title: ES&H Specialist Email: DL_PermianEnvironmental@coterra.com Date: 12/16/2024
<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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Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 5

Action 412001

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 412001
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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>

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Action 412001

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 412001
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	389404
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/07/2024
What was the (estimated) number of samples that were to be gathered	150
What was the sampling surface area in square feet	25180

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	22257
What was the total volume (cubic yards) remediated	4752
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	Site was excavated and clean material was backfilled once confirmation samples came back from the lab within acceptable limits.

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: Laci Luig Title: ES&H Specialist Email: DL_PermianEnvironmental@coterra.com Date: 12/16/2024

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Action 412001

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 412001
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 412001

CONDITIONS

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 412001
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scwells	Remediation closure approved.	12/17/2024