



SITE INFORMATION

Closure Report
Yeah Yeah Federal Com 504H & 505H (01.14.23)
Lea County, New Mexico
Incident ID: NAPP2303046725
Unit D Sec 10 T22S R34E
32.4127°, -103.4636°

Brine Water Release
Point of Release: Shaker Screen Malfunction
Release Date: 01.14.23
Volume Released: 26.8113 barrels of Brine Water
Volume Recovered: 20 barrels of Brine Water

CARMONA RESOURCES



Prepared for:
Concho Operating, LLC
600 W Illinois Ave
Midland, Texas 79701

Prepared by:
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Midland, Texas 79701

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April 14, 2023

New Mexico Oil Conservation Division
1220 South St, Francis Drive
Santa Fe, NM 87505

Re: Closure Report
Yeah Yeah Federal Com 504H & 505H (1.14.23)
Concho Operating, LLC
Incident ID: NAPP2303046725
Site Location: Unit D, S10, T22S, R34E
(Lat 32.4127°, Long -103.4636°)
Lea County, New Mexico

To whom it may concern:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site activities for Yeah Yeah Federal Com 504H & 505H (1.14.23). The site is located at 32.4127°, -103.4636° within Unit D, S10, T22S, R34E, in Lea 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 January 14, 2023, caused by a shaker screen malfunction. It resulted in approximately twenty-six and eight thousand one hundred thirteen ten-thousandths (26.8113) barrels of brine water released, and approximately twenty (20) barrels of brine water was recovered. See Figure 3. The initial C-141 form is attached in Appendix B.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, one known water source is within a 0.50-mile radius of the location. The closest well is located approximately 0.68 miles North of the site in S03, T22S, R34E and was drilled in 2007. The well has a reported depth to groundwater of 70' feet below the ground surface (ft bgs). A copy of the associated point of diversion is attached in Appendix D.

On March 14, 2023, Carmona Resources, LLC contacted the NMOCD and was granted a variance given to use groundwater criteria of 51'-100' due to the release being contained on the pad and located in a low karst area. Please see Appendix C for the correspondence.

3.0 NMAC Regulatory Criteria

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

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 2,500 mg/kg (GRO + DRO + MRO).
- TPH: 1,000 mg/kg (GRO+DRO).
- Chloride: 10,000 mg/kg.



4.0 Site Assessment Activities

Trenching Activities

On February 27, 2023, and March 15, 2023, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. To assess the vertical and horizontal extent, a total of eleven (11) trench points (T-1 through T-11) and eleven (11) horizontal samples (H-1 through H-11) were advanced to depths ranging from the surface to 4.5' bgs inside and surrounding the release area to evaluate the vertical and horizontal extent. See Figure 3 for the soil 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 Laboratories in Midland, TX. 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. See Table 1 for the analytical results.

The area of T-6 showed an elevated total TPH concentration of 3,050 mg/kg from surface to 1.0' bgs. The area of T-8 showed an elevated chloride concentration of 13,300 mg/kg from surface to 1.0' bgs. Trenches (T-1, T-2, T-3, T-4, T-5, T-7, T-9, T-10, and T-11) were below the regulatory limits for benzene, total BTEX, TPH, and chloride concentrations. Refer to Table 1.

Vertical and Horizontal delineation was achieved for all sample points collected. Refer to Table 1.

5.0 Remediation Activities

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 email on March 31, 2023, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The area of T-6 and T-8 was excavated to a depth of 1.5' below the surface to remove all the impacted soils. A total of eighteen (18) floor confirmation samples were collected (CS-1 through CS-18), and four (4) sidewall samples (SW-1 through SW-4) 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 Figure 4.

All final confirmation samples were below the regulatory and reclamation requirements for TPH, BTEX, and chloride. Refer to Table 2.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 200 cubic yards of material were excavated and transported offsite for proper disposal.

6.0 Conclusions

Based on the assessment results and the analytical data, no further actions are required at the site. If you have any questions regarding this report or need additional information, please get in touch with us at 432-813-1992.

Sincerely,

Carmona Resources, LLC

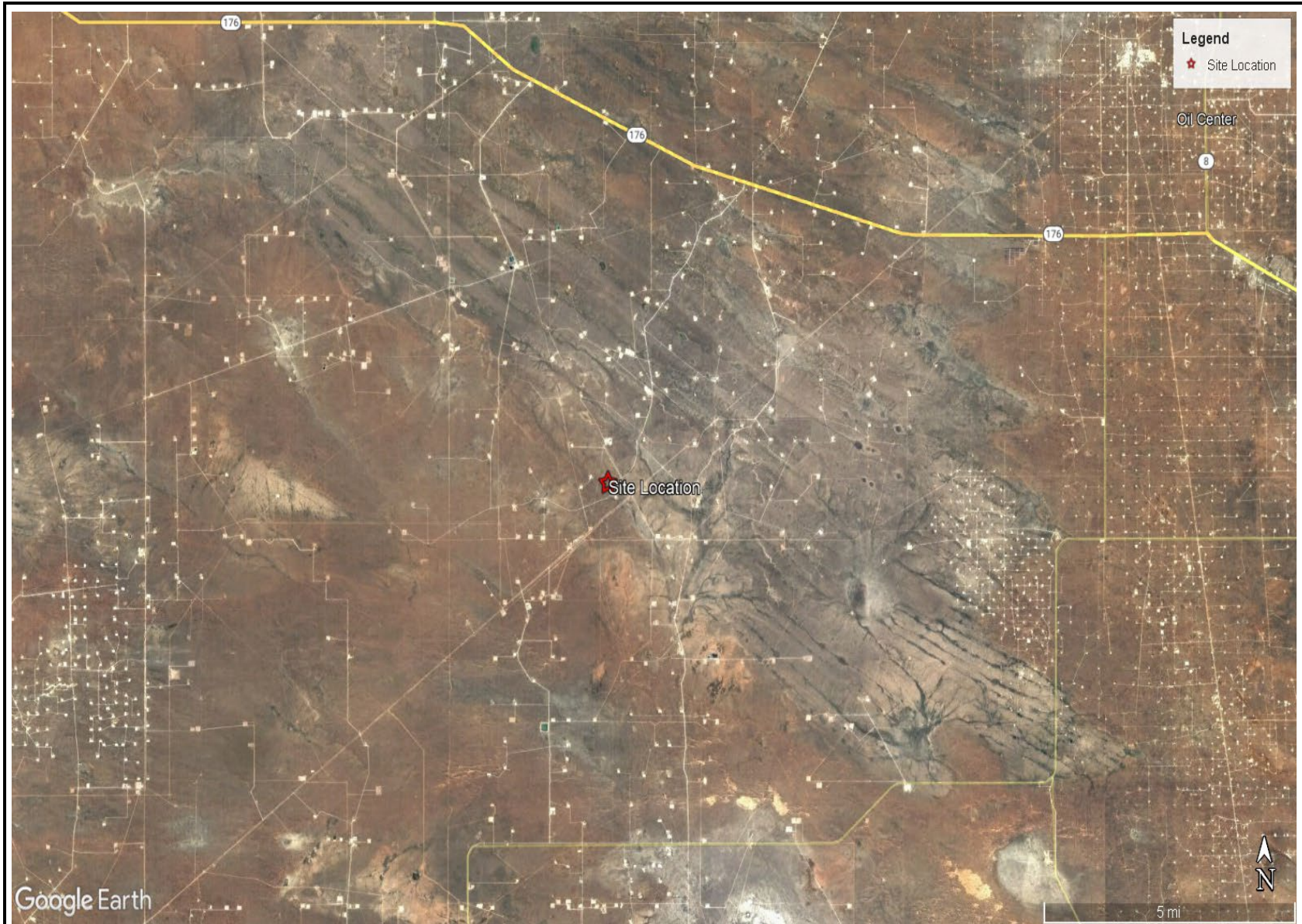
Mike Carmona
Environmental Manager

Conner Moehring
Sr. Project Manager

FIGURES

CARMONA RESOURCES

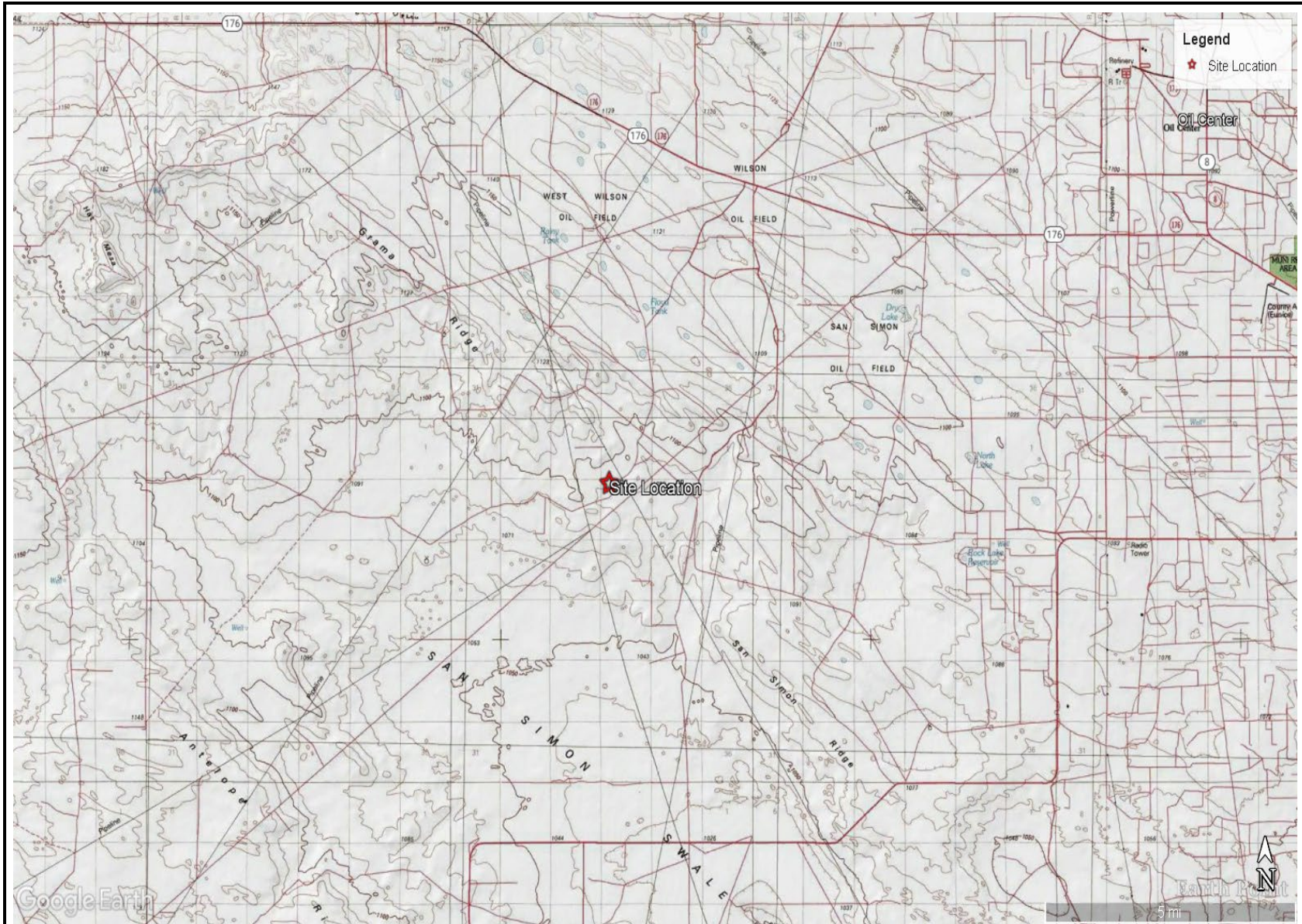




OVERVIEW MAP
COG OPERATING, LLC
YEAH YEAH FEDERAL COM 504H & 505H (01.14.23)
LEA COUNTY, NEW MEXICO
32.4127°, -103.4636°



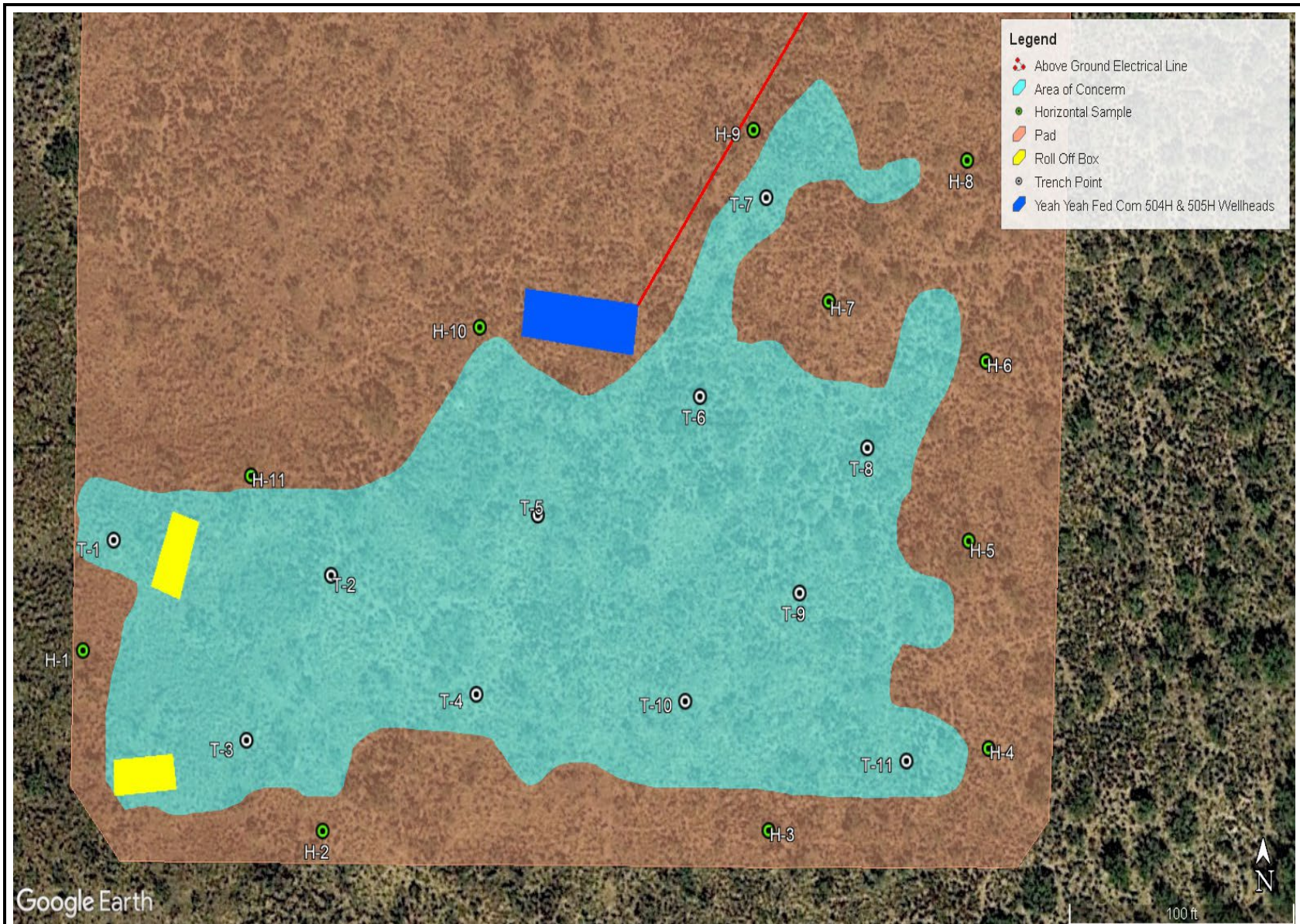
FIGURE 1




TOPOGRAPHIC MAP
COG OPERATING, LLC
YEAH YEAH FEDERAL COM 504H & 505H (01.14.23)
LEA COUNTY, NEW MEXICO
32.4127°, -103.4636°




FIGURE 2



<p>SAMPLE LOCATION MAP COG OPERATING, LLC YEAH YEAH FEDERAL COM 504H & 505H (01.14.23) LEA COUNTY, NEW MEXICO 32.4127°, -103.4636°</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 3</p>
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<p>EXCAVATION DEPTH MAP COG OPERATING, LLC YEAH YEAH FEDERAL COM 504H & 505H (01.14.23) LEA COUNTY, NEW MEXICO 32.4127°, -103.4636°</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 4</p>
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APPENDIX A

CARMONA RESOURCES



**Table 1
COG Operating
Yeah Yeah Federal Com 504H & 505H (01.14.23)
Lea County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
T-1	2/27/2023	0-1	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,720
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	752
	"	2	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,110
	"	2.5	<50.0	216	121	337	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	554
	3/15/2023	3	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	88.2
T-2	2/27/2023	0-1	<49.9	174	<49.9	174	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	3,250
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	278
	"	2	<49.9	91.5	<49.9	91.5	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	887
	"	3	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	87.5
T-3	2/27/2023	0-1	<49.9	106	<49.9	106	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	3,190
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	134
	"	2	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	120
	"	3	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	54.1
T-4	2/27/2023	0-1	<49.9	238	62.7	301	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	3,080
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	150
	"	2	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	99.0
	"	3	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	69.9
T-5	2/27/2023	0-1	<50.0	884	167	1,050	<0.00200	<0.00200	<0.00200	0.00428	0.00428	579
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	272
	"	2	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	104
	"	3	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	40.3
Regulatory Criteria^A			1,000 mg/kg		2,500 mg/kg		10 mg/kg				50 mg/kg	10,000 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(T) - Trenching

Table 1
COG Operating
Yeah Yeah Federal Com 504H & 505H (01.14.23)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
T-6	2/27/2023	0-1	67.6	2,740	238	3,050	0.108	<0.0402	0.224	0.565	0.897	8,070
	"	1.5	<49.9	52.7	<49.9	52.7	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	3,560
	"	2	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	5,360
	"	3	<49.9	194	66.4	260	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,340
	"	4	<49.9	77.9	53.1	131	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	117
T-7	2/27/2023	0-1	<50.0	405	128	533	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	3,830
	"	1.5	<49.9	53.6	<49.9	53.6	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	1,160
	"	2	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	544
	"	3	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	41.3
T-8	2/27/2023	0-1	<49.9	1,070	159	1,230	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	13,300
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,200
	"	2	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,020
	"	3	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	2,690
	"	4	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	87.3
T-9	2/27/2023	0-1	<49.9	193	<49.9	193	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	3,660
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	99.0
	"	2	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	52.9
	"	3	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	55.7
	"	4	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	51.2
T-10	2/27/2023	0-1	<49.9	179	<49.9	179	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	6,350
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	94.8
	"	2	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	59.2
	"	3	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	43.8
T-11	2/27/2023	0-1	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	8,710
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	924
	"	2	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	124
	"	3	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	57.1
Regulatory Criteria^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 mg/kg

 Removed

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(T) - Trenching

**Table 1
COG Operating
Yeah Yeah Federal Com 504H & 505H (01.14.23)
Lea County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
H-1	2/27/2023	(0-0.5')	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	112
H-2	2/27/2023	(0-0.5')	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	117
H-3	2/27/2023	(0-0.5')	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	222
H-4	2/27/2023	(0-0.5')	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	125
H-5	2/27/2023	(0-0.5')	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	105
H-6	2/27/2023	(0-0.5')	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	96.7
H-7	2/27/2023	(0-0.5')	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	110
H-8	2/27/2023	(0-0.5')	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	107
H-9	2/27/2023	(0-0.5')	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	111
H-10	2/27/2023	(0-0.5')	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	99.0
H-11	2/27/2023	(0-0.5')	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	97.3
<i>Regulatory Criteria^A</i>			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(H) - Horizontal

Table 2
COG Operating
Yeah Yeah Federal Com 504H & 505H (01.14.23)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	4/8/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	3,400
CS-2	4/8/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,870
CS-3	4/8/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,660
CS-4	4/8/2023	1.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	3,370
CS-5	4/8/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	2,560
CS-6	4/8/2023	1.5	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	1,180
CS-7	4/8/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,620
CS-8	4/8/2023	1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	115
CS-9	4/8/2023	1.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	149
CS-10	4/8/2023	1.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	926
CS-11	4/8/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	1,220
CS-12	4/8/2023	1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	3,490
CS-13	4/8/2023	1.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	2,980
CS-14	4/8/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	383
CS-15	4/8/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	126
CS-16	4/8/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	110
CS-17	4/8/2023	1.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	2,440
CS-18	4/8/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	417
<i>Regulatory Criteria^A</i>			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 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
COG Operating
Yeah Yeah Federal Com 504H & 505H (01.14.23)
Lea County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-1	4/8/2023	1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	114
SW-2	4/8/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	301
SW-3	4/8/2023	1.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	106
SW-4	4/8/2023	1.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	97.8
<i>Regulatory Criteria^A</i>			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 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

Concho Operating, LLC

Photograph No. 1

Facility: Yeah Yeah Federal Com 504H & 505H (01.14.23)

County: Lea County, New Mexico

Description:

View East, area of CS-1 through CS-18.



Photograph No. 2

Facility: Yeah Yeah Federal Com 504H & 505H (01.14.23)

County: Lea County, New Mexico

Description:

View Northeast, area of CS-1 through CS-18.



Photograph No. 3

Facility: Yeah Yeah Federal Com 504H & 505H (01.14.23)

County: Lea County, New Mexico

Description:

View West, area of CS-1 through CS-18.



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	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # (assigned by OCD)
Contact mailing address	

Location of Release Source

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

Site Name	Site Type
Date Release Discovered	API# (if applicable)

Unit Letter	Section	Township	Range	County

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)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

State of New Mexico
Oil Conservation Division


Page 2

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
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

<input type="checkbox"/> The source of the release has been stopped. <input type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input type="checkbox"/> 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 _____ Title: _____ Signature: <u></u> _____ Date: _____ email: _____ Telephone: _____
<u>OCD Only</u> Received by: <u>Jocelyn Harimon</u> Date: <u>01/30/2023</u>

Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Average Depth (in.)	Estimated <u>Pool</u> Area (sq. ft.)	Estimated volume of each pool area (bbl.)	Penetration allowance (ft.)	Total Estimated Volume of Spill (bbl.)
Rectangle A	60	30	1.0	1800.00	26.70	0.00	26.81
Rectangle B				0.00	0.00	0.00	0.00
Rectangle C				0.00	0.00	0.00	0.00
Rectangle D				0.00	0.00	0.00	0.00
Rectangle E				0.00	0.00	0.00	0.00
Rectangle F				0.00	0.00	0.00	0.00
Rectangle G				0.00	0.00	0.00	0.00
Rectangle H				0.00	0.00	0.00	0.00
Rectangle I				0.00	0.00	0.00	0.00
				0.00	0.00	0.00	0.00

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

CONDITIONS

Action 180725

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 180725
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	2/1/2023

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	_____ (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: Each of the following items must be included in the report.

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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: _____ Title: _____

Signature: Justin Carlile Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 04/20/2023

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: Justin Carlile Date: _____
 email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 04/20/2023

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: Nelson Velez Date: 08/10/2023
 Printed Name: Nelson Velez Title: Environmental Specialist – Adv

08/10/2023 - NV

Remediation has met Rule requirements. Contamination above Reclamation standards has been left in place and is required to be addressed once site is no longer reasonably needed for production or drilling ops.

Ashton Thielke

From: Ashton Thielke
Sent: Tuesday, March 14, 2023 7:19 PM
To: Nobui, Jennifer, EMNRD
Cc: Mike Carmona
Subject: RE: [EXTERNAL] Incident #: NAPP2303046725 - YEAH YEAH FEDERAL COM 504H & 505H - Closure Criteria Variance Request

Thank you Jennifer,

Vertical delineation of the 2 areas on the pad at the time of this email has not been completed. Staff will be onsite this week to further delineate those areas.
Upon receiving lab results, remediation of the impacted area will be conducted immediately.

Thanks,

Ashton Thielke
310 West Wall Street, Suite 500
Midland TX, 79701
M: 432-813-8988 C: 281-753-5659
ThielkeA@carmonaresources.com

CARMONA RESOURCES



From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Sent: Tuesday, March 14, 2023 4:25 PM
To: Ashton Thielke <ThielkeA@carmonaresources.com>
Cc: Mike Carmona <Mcarmona@carmonaresources.com>
Subject: RE: [EXTERNAL] Incident #: NAPP2303046725 - YEAH YEAH FEDERAL COM 504H & 505H - Closure Criteria Variance Request

Hello Ashton

I have reviewed your information and OCD will be able to grant your request for a variance to reflect groundwater 51'-100' criteria.

Will you be able to complete delineation in those 2 areas on pad or will you be seeking a deferral?

Please include a copy of this email correspondence in your report to ensure this conversation is documented in the project file. Let me know if you have any questions.

Thanks,
Jennifer Nobui

From: Ashton Thielke <ThielkeA@carmonaresources.com>
Sent: Tuesday, March 14, 2023 1:03 PM

To: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Cc: Mike Carmona <Mcarmona@carmonaresources.com>
Subject: [EXTERNAL] Incident #: NAPP2303046725 - YEAH YEAH FEDERAL COM 504H & 505H - Closure Criteria Variance Request

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good afternoon Ms. Nobui,
I am reaching out on behalf of ConocoPhillips (COG) to request a closure criteria variance. COG has recently had a brine water release at the above mentioned site. The spill was contained 100% on pad.

COG immediately removed all free standing fluids from the pad upon discovery of the release via Vac truck. Following the Vac truck, COG immediately scrapped up all discolored soils found on the pad and disposed of it properly. COG has fully vertically/horizontally delineated the site per NMAC 19.15.29 with the exception of 2 areas on the pad. Attached is groundwater research from the area surrounding our release showing a New Mexico Office of the State Engineer well drilled in 2007. This well is reported to be drilled to 109' with a depth to water of 70'. The well is located 0.68 miles north of our release area. (32.422880, -103.462841) The area of the release and surrounding area is all "Low Karst".

Due to the depth of local groundwater, the site being in a low karst, the release being fully contained on the pad, and that immediate action was taken to eliminate the spread of this release, COG requests a closure criteria variance to reflect groundwater 51'-100' shown in Table 1 of 19.15.29.12 NMAC. (10,000 mg/kg chloride, 2,500 mg/kg total TPH..etc)

Please let me know if you have any questions,

Ashton Thielke
310 West Wall Street, Suite 500
Midland TX, 79701
M: 432-813-8988 C: 281-753-5659
ThielkeA@carmonaresources.com

CARMONA RESOURCES



From: [Conner Moehring](#)
To: [Miranda Milwee](#)
Subject: Fwd: [EXTERNAL] COP – Yeah Yeah Federal Com 504H & 505H (1.14.23) - Confirmation Sampling Notification
Date: Monday, April 10, 2023 10:12:31 AM

Conner Moehring
Carmona Resources
310 W Wall St. Suite 415
Midland, Texas 79701
432-813-6823

Begin forwarded message:

From: "Enviro, OCD, EMNRD" <OCD.Enviro@emnrd.nm.gov>
Date: April 3, 2023 at 1:00:16 PM CDT
To: Conner Moehring <Cmoehring@carmonaresources.com>
Cc: "Bratcher, Michael, EMNRD" <mike.bratcher@emnrd.nm.gov>, "Nobui, Jennifer, EMNRD" <Jennifer.Nobui@emnrd.nm.gov>
Subject: RE: [EXTERNAL] COP – Yeah Yeah Federal Com 504H & 505H (1.14.23) - Confirmation Sampling Notification

Conner,

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

JH

Jocelyn Harimon • Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
<http://www.emnrd.nm.gov>



From: Conner Moehring <Cmoehring@carmonaresources.com>
Sent: Friday, March 31, 2023 2:56 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>

Cc: Mike Carmona <Mcarmona@carmonaresources.com>

Subject: [EXTERNAL] COP – Yeah Yeah Federal Com 504H & 505H (1.14.23) - Confirmation Sampling Notification

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good Afternoon,

On behalf of COP, Carmona Resources will collect confirmation samples for the below site on 04/08/23 around 7:00 a.m. Please let me know if you have any questions.

COG - Yeah Yeah Federal Com 504H & 505H (1.14.23)

NAPP2303046725

Sec 10 T22S R34E Unit D

32.4127, -103.4636

Lea County, New Mexico

Conner R. Moehring

310 West Wall Street, Suite 500

Midland Texas, 79701

M: 432-813-6823

Cmoehring@carmonaresources.com



APPENDIX D

CARMONA RESOURCES



Nearst water well map

COG Operating

Legend

- 0.50 Mile Radius
- 0.69 Miles
- NMSEO Water Well
- Yeah Yeah Federal Com 504H & 505H

70' - Drilled 2007

Yeah Yeah Federal Com 504H & 505H

2000 ft



LOW KARST

COG Operating

Legend

-  Low
-  Yeah Yeah Federal Com 504H & 505H



Yeah Yeah Federal Com 504H & 505H

30

32

32

32



1 mi



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
CP 00744	CP	LE		1	2	09	22S	34E		643618	3587091*	865	460		
CP 00944 POD1	CP	LE		3	1	03	22S	34E		644531	3588351	1132	109	70	39
CP 00597 POD1	CP	LE		2	2	08	22S	34E		642410	3587074*	2069	35		
CP 01913 POD3	CP	LE		1	4	2	08	22S	34E	642394	3586721	2138	26		
CP 01913 POD2	CP	LE		1	4	2	08	22S	34E	642366	3586694	2172	31		
CP 01913 POD1	CP	LE		1	4	2	08	22S	34E	642346	3586730	2184	35	31	4
CP 01720 POD1	CP	LE		1	3	2	08	22S	34E	642003	3586723	2520	1190	824	366
CP 00380	CP	LE		4	2	11	22S	34E		647245	3586739*	2812	45	30	15
CP 00596 POD1	CP	LE		4	2	11	22S	34E		647245	3586739*	2812	50		
CP 00751	CP	LE		4	2	11	22S	34E		647245	3586739*	2812		45	
CP 00588 POD1	CP	LE		3	2	33	21S	34E		643583	3589918*	2841	89		
CP 00589 POD1	CP	LE		3	2	33	21S	34E		643583	3589918*	2841	84		
CP 00933	CP	LE		1	1	1	12	22S	34E	647541	3587246*	3067	60		
CP 01912	CP	LE		1	2	3	35	21S	34E	646312	3589704	3090	106		
CP 00599 POD1	CP	LE		1	1	1	12	22S	34E	647642	3587147*	3168	62	50	12
CP 00622	CP	LE		3	4	2	14	22S	34E	647164	3585030*	3468			
CP 01068 POD1	CP	LE		4	1	4	28	21S	34E	643609	3591005	3882	180	140	40
CP 00571 POD1	CP	LE		3	1	4	28	21S	34E	643499	3591063	3964	170	135	35

Average Depth to Water: **165 feet**
 Minimum Depth: **30 feet**
 Maximum Depth: **824 feet**

Record Count: 18

UTMNAD83 Radius Search (in meters):

Easting (X): 644474

Northing (Y): 3587220

Radius: 4000

*UTM location was derived from PLSS - see Help

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



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(NAD83 UTM in meters)
		(quarters are smallest to largest)				
Well Tag	POD Number	Q64 Q16 Q4	Sec	Tws	Rng	X Y
	CP 00944 POD1	3 1 03	22S	34E	644531	3588351

Driller License: 1456	Driller Company: WHITE DRILLING COMPANY	
Driller Name: WHITE, JOHN W		
Drill Start Date: 03/05/2007	Drill Finish Date: 03/05/2007	Plug Date:
Log File Date: 03/22/2007	PCW Rev Date:	Source: Shallow
Pump Type:	Pipe Discharge Size:	Estimated Yield:
Casing Size: 5.00	Depth Well: 109 feet	Depth Water: 70 feet

Water Bearing Stratifications:	Top	Bottom	Description
	62	72	Other/Unknown

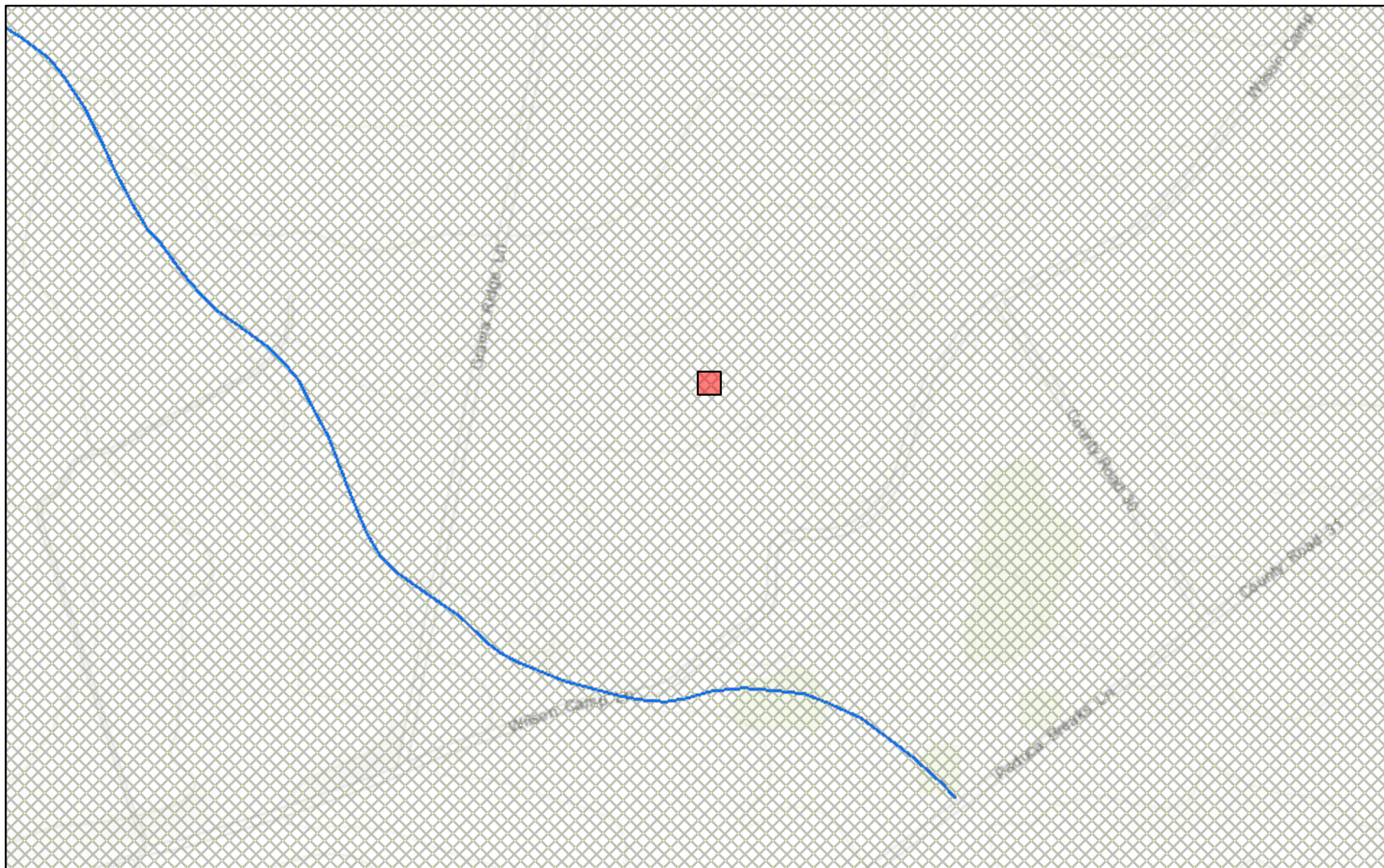
Casing Perforations:	Top	Bottom
	57	97

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.

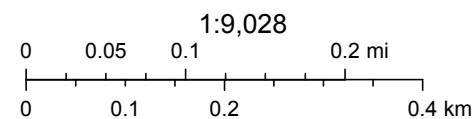
3/14/23 11:00 AM

POINT OF DIVERSION SUMMARY

New Mexico NFHL Data



February 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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This is a non-regulatory product for informational use only. Please consult your local floodplain administrator for further information.

APPENDIX E

CARMONA RESOURCES





Environment Testing

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

ANALYTICAL REPORT

PREPARED FOR

Attn: Conner Moehring
 Carmona Resources
 310 W Wall St
 Ste 415
 Midland, Texas 79701

Generated 3/13/2023 7:13:35 PM

JOB DESCRIPTION

Yeah Yeah Federal Com 504H & 505H
 SDG NUMBER Lea County, New Mexico

JOB NUMBER

880-25237-1

Eurofins Midland
 1211 W. Florida Ave
 Midland TX 79701

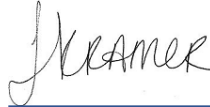


Eurofins Midland

Job Notes

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

Authorization



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Client: Carmona Resources
Project/Site: Yeah Yeah Federal Com 504H & 505H

Laboratory Job ID: 880-25237-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea 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, 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
*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
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)

Definitions/Glossary

Client: Carmona Resources
Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
SDG: Lea County, New Mexico

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TNTC	Too Numerous To Count

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

Case Narrative

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

Job ID: 880-25237-1**Laboratory: Eurofins Midland****Narrative**

Job Narrative
880-25237-1

Receipt

The samples were received on 2/28/2023 9:05 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 3.0°C

Receipt Exceptions

The following samples analyzed for method <TPH 8015> were received and analyzed from an unpreserved bulk soil jar

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: T-5 (1.5') (880-25237-18). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike (MS) recoveries for preparation batch 880-48137 and analytical batch 880-48287 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (MB 880-48190/5-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (MB 880-48137/5-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following sample was outside control limits: T-10 (1.5') (880-25237-41). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-6 (1.5') (880-25237-22), T-6 (2') (880-25237-23), T-6 (3') (880-25237-24) and T-6 (4') (880-25237-25). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-7 (1.5') (880-25237-27), T-7 (2') (880-25237-28) and T-7 (3') (880-25237-29). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-8 (2') (880-25237-32), T-8 (3') (880-25237-33), T-9 (0-1') (880-25237-35), T-9 (1.5') (880-25237-36), T-9 (2') (880-25237-37), T-9 (3') (880-25237-38) and T-9 (4') (880-25237-39). 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: The surrogate recovery for the blank associated with preparation batch 880-47638 and analytical batch 880-47601 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: T-1 (0-1') (880-25237-1), T-1 (1.5') (880-25237-2), T-1 (2') (880-25237-3), (880-25237-A-1-B MS) and (880-25237-A-1-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: T-2 (0-1') (880-25237-5), T-2 (1.5') (880-25237-6), T-2 (2') (880-25237-7), T-2 (3') (880-25237-8), T-3 (0-1') (880-25237-9) and T-3 (1.5') (880-25237-10). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: T-3 (2') (880-25237-11), T-4 (0-1')

Case Narrative

Client: Carmona Resources
Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
SDG: Lea County, New Mexico

Job ID: 880-25237-1 (Continued)

Laboratory: Eurofins Midland (Continued)

(880-25237-13) and T-4 (3') (880-25237-16). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: T-5 (0-1') (880-25237-17). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-47636 and analytical batch 880-47599 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-47636 and analytical batch 880-47599 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: Surrogate recovery for the following sample was outside control limits: T-9 (4') (880-25237-39). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-47691/2-A) and (LCSD 880-47691/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-47691 and analytical batch 880-47687 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 surrogate recovery for the blank associated with preparation batch 880-47769 and analytical batch 880-47799 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 880-47775 and analytical batch 880-47849 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: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-25237-1

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/08/23 14:27	03/10/23 05:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:27	03/10/23 05:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:27	03/10/23 05:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/08/23 14:27	03/10/23 05:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:27	03/10/23 05:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/08/23 14:27	03/10/23 05:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	03/08/23 14:27	03/10/23 05:07	1
1,4-Difluorobenzene (Surr)	106		70 - 130	03/08/23 14:27	03/10/23 05:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/10/23 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			03/03/23 12:10	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		03/02/23 12:32	03/02/23 21:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/02/23 12:32	03/02/23 21:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/02/23 12:32	03/02/23 21:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	03/02/23 12:32	03/02/23 21:08	1
o-Terphenyl	138	S1+	70 - 130	03/02/23 12:32	03/02/23 21:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2720	F1	25.1		mg/Kg			03/06/23 08:13	5

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-25237-2

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/08/23 14:27	03/10/23 05:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:27	03/10/23 05:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:27	03/10/23 05:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/08/23 14:27	03/10/23 05:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:27	03/10/23 05:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/08/23 14:27	03/10/23 05:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	03/08/23 14:27	03/10/23 05:27	1
1,4-Difluorobenzene (Surr)	108		70 - 130	03/08/23 14:27	03/10/23 05:27	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-25237-2

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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			03/10/23 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			03/03/23 12:10	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		03/02/23 12:32	03/02/23 22:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/02/23 12:32	03/02/23 22:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/02/23 12:32	03/02/23 22:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	03/02/23 12:32	03/02/23 22:16	1
o-Terphenyl	131	S1+	70 - 130	03/02/23 12:32	03/02/23 22:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	752		5.00		mg/Kg			03/06/23 08:27	1

Client Sample ID: T-1 (2')

Lab Sample ID: 880-25237-3

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/08/23 14:27	03/10/23 05:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/08/23 14:27	03/10/23 05:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/08/23 14:27	03/10/23 05:48	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/08/23 14:27	03/10/23 05:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/08/23 14:27	03/10/23 05:48	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/08/23 14:27	03/10/23 05:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	03/08/23 14:27	03/10/23 05:48	1
1,4-Difluorobenzene (Surr)	104		70 - 130	03/08/23 14:27	03/10/23 05:48	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			03/10/23 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			03/03/23 12:10	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		03/02/23 12:32	03/02/23 22:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/02/23 12:32	03/02/23 22:38	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

Client Sample ID: T-1 (2')

Lab Sample ID: 880-25237-3

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/02/23 12:32	03/02/23 22:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				03/02/23 12:32	03/02/23 22:38	1
o-Terphenyl	138	S1+	70 - 130				03/02/23 12:32	03/02/23 22:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1110		4.99		mg/Kg			03/06/23 08:32	1

Client Sample ID: T-1 (2.5')

Lab Sample ID: 880-25237-4

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/08/23 14:27	03/10/23 06:08	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/08/23 14:27	03/10/23 06:08	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/08/23 14:27	03/10/23 06:08	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/08/23 14:27	03/10/23 06:08	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/08/23 14:27	03/10/23 06:08	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/08/23 14:27	03/10/23 06:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				03/08/23 14:27	03/10/23 06:08	1
1,4-Difluorobenzene (Surr)	109		70 - 130				03/08/23 14:27	03/10/23 06:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/10/23 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	337		50.0		mg/Kg			03/03/23 12:10	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	<50.0	U	50.0		mg/Kg		03/02/23 12:32	03/02/23 23:00	1
Diesel Range Organics (Over C10-C28)	216		50.0		mg/Kg		03/02/23 12:32	03/02/23 23:00	1
Oil Range Organics (Over C28-C36)	121		50.0		mg/Kg		03/02/23 12:32	03/02/23 23:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				03/02/23 12:32	03/02/23 23:00	1
o-Terphenyl	128		70 - 130				03/02/23 12:32	03/02/23 23:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	554		4.95		mg/Kg			03/06/23 08:37	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-25237-5

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/08/23 14:27	03/10/23 06:29	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/08/23 14:27	03/10/23 06:29	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/08/23 14:27	03/10/23 06:29	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		03/08/23 14:27	03/10/23 06:29	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/08/23 14:27	03/10/23 06:29	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/08/23 14:27	03/10/23 06:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130	03/08/23 14:27	03/10/23 06:29	1
1,4-Difluorobenzene (Surr)	109		70 - 130	03/08/23 14:27	03/10/23 06:29	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			03/10/23 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	174		49.9		mg/Kg			03/03/23 12:10	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		03/02/23 12:32	03/02/23 23:22	1
Diesel Range Organics (Over C10-C28)	174		49.9		mg/Kg		03/02/23 12:32	03/02/23 23:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/02/23 12:32	03/02/23 23:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	03/02/23 12:32	03/02/23 23:22	1
o-Terphenyl	139	S1+	70 - 130	03/02/23 12:32	03/02/23 23:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3250		25.0		mg/Kg			03/06/23 08:42	5

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-25237-6

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/08/23 14:27	03/10/23 06:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:27	03/10/23 06:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:27	03/10/23 06:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/08/23 14:27	03/10/23 06:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:27	03/10/23 06:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/08/23 14:27	03/10/23 06:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	03/08/23 14:27	03/10/23 06:49	1
1,4-Difluorobenzene (Surr)	111		70 - 130	03/08/23 14:27	03/10/23 06:49	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-25237-6

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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			03/10/23 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	<50.0	U	50.0		mg/Kg			03/03/23 12:10	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	<50.0	U	50.0		mg/Kg		03/02/23 12:32	03/02/23 23:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/02/23 12:32	03/02/23 23:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/02/23 12:32	03/02/23 23:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	03/02/23 12:32	03/02/23 23:44	1
o-Terphenyl	133	S1+	70 - 130	03/02/23 12:32	03/02/23 23:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	278		5.00		mg/Kg			03/06/23 08:56	1

Client Sample ID: T-2 (2')

Lab Sample ID: 880-25237-7

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/08/23 14:27	03/10/23 07:10	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/08/23 14:27	03/10/23 07:10	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/08/23 14:27	03/10/23 07:10	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/08/23 14:27	03/10/23 07:10	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/08/23 14:27	03/10/23 07:10	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/08/23 14:27	03/10/23 07:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	03/08/23 14:27	03/10/23 07:10	1
1,4-Difluorobenzene (Surr)	113		70 - 130	03/08/23 14:27	03/10/23 07:10	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			03/10/23 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	91.5		49.9		mg/Kg			03/03/23 12:10	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		03/02/23 12:32	03/03/23 00:06	1
Diesel Range Organics (Over C10-C28)	91.5		49.9		mg/Kg		03/02/23 12:32	03/03/23 00:06	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

Client Sample ID: T-2 (2')

Lab Sample ID: 880-25237-7

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/02/23 12:32	03/03/23 00:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				03/02/23 12:32	03/03/23 00:06	1
o-Terphenyl	138	S1+	70 - 130				03/02/23 12:32	03/03/23 00:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	887		4.96		mg/Kg			03/06/23 09:01	1

Client Sample ID: T-2 (3')

Lab Sample ID: 880-25237-8

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/08/23 14:27	03/10/23 07:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:27	03/10/23 07:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:27	03/10/23 07:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/08/23 14:27	03/10/23 07:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:27	03/10/23 07:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/08/23 14:27	03/10/23 07:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				03/08/23 14:27	03/10/23 07:30	1
1,4-Difluorobenzene (Surr)	109		70 - 130				03/08/23 14:27	03/10/23 07:30	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			03/10/23 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			03/03/23 12:10	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		03/02/23 12:32	03/03/23 00:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/02/23 12:32	03/03/23 00:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/02/23 12:32	03/03/23 00:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				03/02/23 12:32	03/03/23 00:28	1
o-Terphenyl	141	S1+	70 - 130				03/02/23 12:32	03/03/23 00:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	87.5		4.97		mg/Kg			03/06/23 09:06	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-25237-9

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/08/23 14:27	03/10/23 07:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/08/23 14:27	03/10/23 07:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/08/23 14:27	03/10/23 07:51	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/08/23 14:27	03/10/23 07:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/08/23 14:27	03/10/23 07:51	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/08/23 14:27	03/10/23 07:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	03/08/23 14:27	03/10/23 07:51	1
1,4-Difluorobenzene (Surr)	112		70 - 130	03/08/23 14:27	03/10/23 07:51	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			03/10/23 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	106		49.9		mg/Kg			03/03/23 12:10	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		03/02/23 12:32	03/03/23 00:50	1
Diesel Range Organics (Over C10-C28)	106		49.9		mg/Kg		03/02/23 12:32	03/03/23 00:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/02/23 12:32	03/03/23 00:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130	03/02/23 12:32	03/03/23 00:50	1
o-Terphenyl	154	S1+	70 - 130	03/02/23 12:32	03/03/23 00:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3190		25.0		mg/Kg			03/06/23 09:11	5

Client Sample ID: T-3 (1.5')

Lab Sample ID: 880-25237-10

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/08/23 14:27	03/10/23 08:48	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/08/23 14:27	03/10/23 08:48	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/08/23 14:27	03/10/23 08:48	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/08/23 14:27	03/10/23 08:48	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/08/23 14:27	03/10/23 08:48	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/08/23 14:27	03/10/23 08:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	03/08/23 14:27	03/10/23 08:48	1
1,4-Difluorobenzene (Surr)	110		70 - 130	03/08/23 14:27	03/10/23 08:48	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

Client Sample ID: T-3 (1.5')

Lab Sample ID: 880-25237-10

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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			03/10/23 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	<50.0	U	50.0		mg/Kg			03/03/23 12:10	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	<50.0	U	50.0		mg/Kg		03/02/23 12:32	03/03/23 01:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/02/23 12:32	03/03/23 01:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/02/23 12:32	03/03/23 01:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	03/02/23 12:32	03/03/23 01:12	1
o-Terphenyl	131	S1+	70 - 130	03/02/23 12:32	03/03/23 01:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	134		4.99		mg/Kg			03/06/23 09:16	1

Client Sample ID: T-3 (2')

Lab Sample ID: 880-25237-11

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/08/23 14:27	03/10/23 10:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:27	03/10/23 10:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:27	03/10/23 10:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/08/23 14:27	03/10/23 10:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:27	03/10/23 10:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/08/23 14:27	03/10/23 10:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	03/08/23 14:27	03/10/23 10:39	1
1,4-Difluorobenzene (Surr)	105		70 - 130	03/08/23 14:27	03/10/23 10:39	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/10/23 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	<50.0	U	50.0		mg/Kg			03/03/23 12:10	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	<50.0	U	50.0		mg/Kg		03/02/23 12:32	03/03/23 01:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/02/23 12:32	03/03/23 01:56	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

Client Sample ID: T-3 (2')

Lab Sample ID: 880-25237-11

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/02/23 12:32	03/03/23 01:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				03/02/23 12:32	03/03/23 01:56	1
o-Terphenyl	134	S1+	70 - 130				03/02/23 12:32	03/03/23 01:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	120		4.95		mg/Kg			03/06/23 09:21	1

Client Sample ID: T-3 (3')

Lab Sample ID: 880-25237-12

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/08/23 14:27	03/10/23 10:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:27	03/10/23 10:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:27	03/10/23 10:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/08/23 14:27	03/10/23 10:59	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:27	03/10/23 10:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/08/23 14:27	03/10/23 10:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				03/08/23 14:27	03/10/23 10:59	1
1,4-Difluorobenzene (Surr)	107		70 - 130				03/08/23 14:27	03/10/23 10:59	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			03/10/23 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			03/03/23 12:10	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		03/02/23 12:32	03/03/23 02:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/02/23 12:32	03/03/23 02:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/02/23 12:32	03/03/23 02:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				03/02/23 12:32	03/03/23 02:19	1
o-Terphenyl	130		70 - 130				03/02/23 12:32	03/03/23 02:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	54.1		5.00		mg/Kg			03/06/23 09:35	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

Client Sample ID: T-4 (0-1')

Lab Sample ID: 880-25237-13

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/08/23 14:27	03/10/23 11:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/08/23 14:27	03/10/23 11:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/08/23 14:27	03/10/23 11:20	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/08/23 14:27	03/10/23 11:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/08/23 14:27	03/10/23 11:20	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/08/23 14:27	03/10/23 11:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	03/08/23 14:27	03/10/23 11:20	1
1,4-Difluorobenzene (Surr)	105		70 - 130	03/08/23 14:27	03/10/23 11:20	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/10/23 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	301		49.9		mg/Kg			03/03/23 12:10	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		03/02/23 12:32	03/03/23 02:41	1
Diesel Range Organics (Over C10-C28)	238		49.9		mg/Kg		03/02/23 12:32	03/03/23 02:41	1
Oil Range Organics (Over C28-C36)	62.7		49.9		mg/Kg		03/02/23 12:32	03/03/23 02:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130	03/02/23 12:32	03/03/23 02:41	1
o-Terphenyl	148	S1+	70 - 130	03/02/23 12:32	03/03/23 02:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3080		24.9		mg/Kg			03/06/23 09:40	5

Client Sample ID: T-4 (1.5')

Lab Sample ID: 880-25237-14

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/08/23 14:27	03/10/23 11:40	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/08/23 14:27	03/10/23 11:40	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/08/23 14:27	03/10/23 11:40	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/08/23 14:27	03/10/23 11:40	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/08/23 14:27	03/10/23 11:40	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/08/23 14:27	03/10/23 11:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	03/08/23 14:27	03/10/23 11:40	1
1,4-Difluorobenzene (Surr)	109		70 - 130	03/08/23 14:27	03/10/23 11:40	1

Euofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

Client Sample ID: T-4 (1.5')

Lab Sample ID: 880-25237-14

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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			03/10/23 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	<50.0	U	50.0		mg/Kg			03/03/23 12:10	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	<50.0	U	50.0		mg/Kg		03/02/23 12:32	03/03/23 03:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/02/23 12:32	03/03/23 03:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/02/23 12:32	03/03/23 03:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	03/02/23 12:32	03/03/23 03:03	1
o-Terphenyl	126		70 - 130	03/02/23 12:32	03/03/23 03:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	150		4.97		mg/Kg			03/06/23 09:55	1

Client Sample ID: T-4 (2')

Lab Sample ID: 880-25237-15

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/08/23 14:27	03/10/23 12:00	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:27	03/10/23 12:00	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:27	03/10/23 12:00	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/08/23 14:27	03/10/23 12:00	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:27	03/10/23 12:00	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/08/23 14:27	03/10/23 12:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	03/08/23 14:27	03/10/23 12:00	1
1,4-Difluorobenzene (Surr)	109		70 - 130	03/08/23 14:27	03/10/23 12:00	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			03/10/23 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			03/03/23 12:10	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		03/02/23 12:32	03/03/23 03:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/02/23 12:32	03/03/23 03:26	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

Client Sample ID: T-4 (2')

Lab Sample ID: 880-25237-15

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/02/23 12:32	03/03/23 03:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				03/02/23 12:32	03/03/23 03:26	1
o-Terphenyl	121		70 - 130				03/02/23 12:32	03/03/23 03:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	332		4.96		mg/Kg			03/06/23 09:59	1

Client Sample ID: T-4 (3')

Lab Sample ID: 880-25237-16

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/08/23 14:27	03/10/23 12:21	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:27	03/10/23 12:21	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:27	03/10/23 12:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/08/23 14:27	03/10/23 12:21	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:27	03/10/23 12:21	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/08/23 14:27	03/10/23 12:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				03/08/23 14:27	03/10/23 12:21	1
1,4-Difluorobenzene (Surr)	106		70 - 130				03/08/23 14:27	03/10/23 12:21	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			03/10/23 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			03/03/23 12:10	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		03/02/23 12:32	03/03/23 03:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/02/23 12:32	03/03/23 03:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/02/23 12:32	03/03/23 03:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				03/02/23 12:32	03/03/23 03:48	1
o-Terphenyl	138	S1+	70 - 130				03/02/23 12:32	03/03/23 03:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	69.9		5.04		mg/Kg			03/06/23 10:04	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

Client Sample ID: T-5 (0-1')

Lab Sample ID: 880-25237-17

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/08/23 14:27	03/10/23 12:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/08/23 14:27	03/10/23 12:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/08/23 14:27	03/10/23 12:41	1
m-Xylene & p-Xylene	0.00428		0.00399		mg/Kg		03/08/23 14:27	03/10/23 12:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/08/23 14:27	03/10/23 12:41	1
Xylenes, Total	0.00428		0.00399		mg/Kg		03/08/23 14:27	03/10/23 12:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	03/08/23 14:27	03/10/23 12:41	1
1,4-Difluorobenzene (Surr)	108		70 - 130	03/08/23 14:27	03/10/23 12:41	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00428		0.00399		mg/Kg			03/10/23 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	1050		50.0		mg/Kg			03/03/23 12:10	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	<50.0	U	50.0		mg/Kg		03/02/23 12:32	03/03/23 04:10	1
Diesel Range Organics (Over C10-C28)	884		50.0		mg/Kg		03/02/23 12:32	03/03/23 04:10	1
Oil Range Organics (Over C28-C36)	167		50.0		mg/Kg		03/02/23 12:32	03/03/23 04:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	03/02/23 12:32	03/03/23 04:10	1
o-Terphenyl	136	S1+	70 - 130	03/02/23 12:32	03/03/23 04:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	579		4.98		mg/Kg			03/06/23 10:09	1

Client Sample ID: T-5 (1.5')

Lab Sample ID: 880-25237-18

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/08/23 14:27	03/10/23 13:02	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/08/23 14:27	03/10/23 13:02	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/08/23 14:27	03/10/23 13:02	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/08/23 14:27	03/10/23 13:02	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/08/23 14:27	03/10/23 13:02	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/08/23 14:27	03/10/23 13:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130	03/08/23 14:27	03/10/23 13:02	1
1,4-Difluorobenzene (Surr)	114		70 - 130	03/08/23 14:27	03/10/23 13:02	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

Client Sample ID: T-5 (1.5')

Lab Sample ID: 880-25237-18

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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			03/10/23 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			03/03/23 12:10	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		03/02/23 12:32	03/03/23 04:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/02/23 12:32	03/03/23 04:32	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/02/23 12:32	03/03/23 04:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	03/02/23 12:32	03/03/23 04:32	1
o-Terphenyl	123		70 - 130	03/02/23 12:32	03/03/23 04:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	272		4.95		mg/Kg			03/06/23 10:14	1

Client Sample ID: T-5 (2')

Lab Sample ID: 880-25237-19

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/08/23 14:27	03/10/23 13:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/08/23 14:27	03/10/23 13:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/08/23 14:27	03/10/23 13:22	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/08/23 14:27	03/10/23 13:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/08/23 14:27	03/10/23 13:22	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/08/23 14:27	03/10/23 13:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	03/08/23 14:27	03/10/23 13:22	1
1,4-Difluorobenzene (Surr)	109		70 - 130	03/08/23 14:27	03/10/23 13:22	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			03/10/23 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			03/03/23 12:10	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		03/02/23 12:32	03/03/23 04:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/02/23 12:32	03/03/23 04:55	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

Client Sample ID: T-5 (2')

Lab Sample ID: 880-25237-19

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/02/23 12:32	03/03/23 04:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				03/02/23 12:32	03/03/23 04:55	1
o-Terphenyl	130		70 - 130				03/02/23 12:32	03/03/23 04:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	104		4.97		mg/Kg			03/06/23 10:19	1

Client Sample ID: T-5 (3')

Lab Sample ID: 880-25237-20

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/08/23 14:27	03/10/23 13:43	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/08/23 14:27	03/10/23 13:43	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/08/23 14:27	03/10/23 13:43	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/08/23 14:27	03/10/23 13:43	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/08/23 14:27	03/10/23 13:43	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/08/23 14:27	03/10/23 13:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				03/08/23 14:27	03/10/23 13:43	1
1,4-Difluorobenzene (Surr)	107		70 - 130				03/08/23 14:27	03/10/23 13:43	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			03/10/23 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	<50.0	U	50.0		mg/Kg			03/03/23 12:10	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	<50.0	U	50.0		mg/Kg		03/02/23 12:32	03/03/23 05:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/02/23 12:32	03/03/23 05:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/02/23 12:32	03/03/23 05:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				03/02/23 12:32	03/03/23 05:16	1
o-Terphenyl	130		70 - 130				03/02/23 12:32	03/03/23 05:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40.3		4.97		mg/Kg			03/06/23 10:24	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

Client Sample ID: T-6 (0-1')

Lab Sample ID: 880-25237-21

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.108		0.0402		mg/Kg		03/08/23 14:34	03/12/23 07:21	20
Toluene	<0.0402	U	0.0402		mg/Kg		03/08/23 14:34	03/12/23 07:21	20
Ethylbenzene	0.224		0.0402		mg/Kg		03/08/23 14:34	03/12/23 07:21	20
m-Xylene & p-Xylene	0.382		0.0805		mg/Kg		03/08/23 14:34	03/12/23 07:21	20
o-Xylene	0.183		0.0402		mg/Kg		03/08/23 14:34	03/12/23 07:21	20
Xylenes, Total	0.565		0.0805		mg/Kg		03/08/23 14:34	03/12/23 07:21	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	03/08/23 14:34	03/12/23 07:21	20
1,4-Difluorobenzene (Surr)	104		70 - 130	03/08/23 14:34	03/12/23 07:21	20

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.897		0.0805		mg/Kg			03/13/23 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	3050		49.9		mg/Kg			03/06/23 12:56	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	67.6		49.9		mg/Kg		03/03/23 08:59	03/03/23 11:23	1
Diesel Range Organics (Over C10-C28)	2740	F1	49.9		mg/Kg		03/03/23 08:59	03/03/23 11:23	1
Oil Range Organics (Over C28-C36)	238		49.9		mg/Kg		03/03/23 08:59	03/03/23 11:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	03/03/23 08:59	03/03/23 11:23	1
o-Terphenyl	121		70 - 130	03/03/23 08:59	03/03/23 11:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8070		49.6		mg/Kg			03/05/23 17:00	10

Client Sample ID: T-6 (1.5')

Lab Sample ID: 880-25237-22

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/08/23 14:34	03/12/23 04:15	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/08/23 14:34	03/12/23 04:15	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/08/23 14:34	03/12/23 04:15	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		03/08/23 14:34	03/12/23 04:15	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/08/23 14:34	03/12/23 04:15	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/08/23 14:34	03/12/23 04:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130	03/08/23 14:34	03/12/23 04:15	1
1,4-Difluorobenzene (Surr)	84		70 - 130	03/08/23 14:34	03/12/23 04:15	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

Client Sample ID: T-6 (1.5')

Lab Sample ID: 880-25237-22

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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			03/13/23 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	52.7		49.9		mg/Kg			03/06/23 12:56	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	<49.9	U	49.9		mg/Kg		03/03/23 08:59	03/03/23 12:30	1
Diesel Range Organics (Over C10-C28)	52.7		49.9		mg/Kg		03/03/23 08:59	03/03/23 12:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/03/23 08:59	03/03/23 12:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				03/03/23 08:59	03/03/23 12:30	1
o-Terphenyl	96		70 - 130				03/03/23 08:59	03/03/23 12:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3560		25.0		mg/Kg			03/05/23 17:18	5

Client Sample ID: T-6 (2')

Lab Sample ID: 880-25237-23

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/08/23 14:34	03/12/23 04:36	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:34	03/12/23 04:36	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:34	03/12/23 04:36	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/08/23 14:34	03/12/23 04:36	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:34	03/12/23 04:36	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/08/23 14:34	03/12/23 04:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	144	S1+	70 - 130				03/08/23 14:34	03/12/23 04:36	1
1,4-Difluorobenzene (Surr)	85		70 - 130				03/08/23 14:34	03/12/23 04:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/13/23 18:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/06/23 12:56	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		03/03/23 08:59	03/03/23 12:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/03/23 08:59	03/03/23 12:52	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

Client Sample ID: T-6 (2')

Lab Sample ID: 880-25237-23

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/03/23 08:59	03/03/23 12:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				03/03/23 08:59	03/03/23 12:52	1
o-Terphenyl	106		70 - 130				03/03/23 08:59	03/03/23 12:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5360		49.7		mg/Kg			03/05/23 17:24	10

Client Sample ID: T-6 (3')

Lab Sample ID: 880-25237-24

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/08/23 14:34	03/12/23 04:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:34	03/12/23 04:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:34	03/12/23 04:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/08/23 14:34	03/12/23 04:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:34	03/12/23 04:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/08/23 14:34	03/12/23 04:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				03/08/23 14:34	03/12/23 04:57	1
1,4-Difluorobenzene (Surr)	67	S1-	70 - 130				03/08/23 14:34	03/12/23 04:57	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			03/13/23 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	260		49.9		mg/Kg			03/06/23 12:56	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	<49.9	U	49.9		mg/Kg		03/03/23 08:59	03/03/23 13:14	1
Diesel Range Organics (Over C10-C28)	194		49.9		mg/Kg		03/03/23 08:59	03/03/23 13:14	1
Oil Range Organics (Over C28-C36)	66.4		49.9		mg/Kg		03/03/23 08:59	03/03/23 13:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				03/03/23 08:59	03/03/23 13:14	1
o-Terphenyl	114		70 - 130				03/03/23 08:59	03/03/23 13:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1340		23.1		mg/Kg			03/05/23 17:31	5

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

Client Sample ID: T-6 (4')

Lab Sample ID: 880-25237-25

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/08/23 14:34	03/12/23 05:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/08/23 14:34	03/12/23 05:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/08/23 14:34	03/12/23 05:17	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/08/23 14:34	03/12/23 05:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/08/23 14:34	03/12/23 05:17	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/08/23 14:34	03/12/23 05:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	141	S1+	70 - 130	03/08/23 14:34	03/12/23 05:17	1
1,4-Difluorobenzene (Surr)	85		70 - 130	03/08/23 14:34	03/12/23 05:17	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			03/13/23 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	131		49.9		mg/Kg			03/06/23 12:56	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	<49.9	U	49.9		mg/Kg		03/03/23 08:59	03/03/23 13:36	1
Diesel Range Organics (Over C10-C28)	77.9		49.9		mg/Kg		03/03/23 08:59	03/03/23 13:36	1
Oil Range Organics (Over C28-C36)	53.1		49.9		mg/Kg		03/03/23 08:59	03/03/23 13:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	03/03/23 08:59	03/03/23 13:36	1
o-Terphenyl	104		70 - 130	03/03/23 08:59	03/03/23 13:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	117		5.05		mg/Kg			03/05/23 17:37	1

Client Sample ID: T-7 (0-1')

Lab Sample ID: 880-25237-26

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/08/23 14:34	03/12/23 05:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/08/23 14:34	03/12/23 05:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/08/23 14:34	03/12/23 05:38	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/08/23 14:34	03/12/23 05:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/08/23 14:34	03/12/23 05:38	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/08/23 14:34	03/12/23 05:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130	03/08/23 14:34	03/12/23 05:38	1
1,4-Difluorobenzene (Surr)	88		70 - 130	03/08/23 14:34	03/12/23 05:38	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

Client Sample ID: T-7 (0-1')

Lab Sample ID: 880-25237-26

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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			03/13/23 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	533		50.0		mg/Kg			03/06/23 12:56	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		03/03/23 08:59	03/03/23 13:58	1
Diesel Range Organics (Over C10-C28)	405		50.0		mg/Kg		03/03/23 08:59	03/03/23 13:58	1
Oil Range Organics (Over C28-C36)	128		50.0		mg/Kg		03/03/23 08:59	03/03/23 13:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				03/03/23 08:59	03/03/23 13:58	1
o-Terphenyl	110		70 - 130				03/03/23 08:59	03/03/23 13:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3830		24.9		mg/Kg			03/05/23 17:55	5

Client Sample ID: T-7 (1,5')

Lab Sample ID: 880-25237-27

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/08/23 14:34	03/12/23 05:59	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/08/23 14:34	03/12/23 05:59	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/08/23 14:34	03/12/23 05:59	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/08/23 14:34	03/12/23 05:59	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/08/23 14:34	03/12/23 05:59	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/08/23 14:34	03/12/23 05:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130				03/08/23 14:34	03/12/23 05:59	1
1,4-Difluorobenzene (Surr)	89		70 - 130				03/08/23 14:34	03/12/23 05:59	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			03/13/23 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	53.6		49.9		mg/Kg			03/06/23 12:56	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	<49.9	U	49.9		mg/Kg		03/03/23 08:59	03/03/23 14:20	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

Client Sample ID: T-7 (1,5')

Lab Sample ID: 880-25237-27

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	53.6		49.9		mg/Kg		03/03/23 08:59	03/03/23 14:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/03/23 08:59	03/03/23 14:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				03/03/23 08:59	03/03/23 14:20	1
o-Terphenyl	101		70 - 130				03/03/23 08:59	03/03/23 14:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1160		4.99		mg/Kg			03/05/23 18:01	1

Client Sample ID: T-7 (2')

Lab Sample ID: 880-25237-28

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/08/23 14:34	03/12/23 06:19	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:34	03/12/23 06:19	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:34	03/12/23 06:19	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/08/23 14:34	03/12/23 06:19	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:34	03/12/23 06:19	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/08/23 14:34	03/12/23 06:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130				03/08/23 14:34	03/12/23 06:19	1
1,4-Difluorobenzene (Surr)	84		70 - 130				03/08/23 14:34	03/12/23 06:19	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			03/13/23 18:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/06/23 12:56	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		03/03/23 08:59	03/03/23 14:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/03/23 08:59	03/03/23 14:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/03/23 08:59	03/03/23 14:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				03/03/23 08:59	03/03/23 14:43	1
o-Terphenyl	130		70 - 130				03/03/23 08:59	03/03/23 14:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	544		4.98		mg/Kg			03/05/23 18:07	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

Client Sample ID: T-7 (3')

Lab Sample ID: 880-25237-29

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/08/23 14:34	03/12/23 06:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:34	03/12/23 06:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:34	03/12/23 06:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/08/23 14:34	03/12/23 06:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:34	03/12/23 06:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/08/23 14:34	03/12/23 06:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130				03/08/23 14:34	03/12/23 06:40	1
1,4-Difluorobenzene (Surr)	88		70 - 130				03/08/23 14:34	03/12/23 06:40	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			03/13/23 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	<49.9	U	49.9		mg/Kg			03/06/23 12:56	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	<49.9	U	49.9		mg/Kg		03/03/23 08:59	03/03/23 15:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/03/23 08:59	03/03/23 15:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/03/23 08:59	03/03/23 15:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				03/03/23 08:59	03/03/23 15:05	1
o-Terphenyl	105		70 - 130				03/03/23 08:59	03/03/23 15:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41.3		5.00		mg/Kg			03/05/23 18:14	1

Client Sample ID: T-8 (0-1')

Lab Sample ID: 880-25237-30

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/08/23 14:34	03/12/23 07:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/08/23 14:34	03/12/23 07:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/08/23 14:34	03/12/23 07:01	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/08/23 14:34	03/12/23 07:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/08/23 14:34	03/12/23 07:01	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/08/23 14:34	03/12/23 07:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				03/08/23 14:34	03/12/23 07:01	1
1,4-Difluorobenzene (Surr)	95		70 - 130				03/08/23 14:34	03/12/23 07:01	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

Client Sample ID: T-8 (0-1')

Lab Sample ID: 880-25237-30

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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			03/13/23 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	1230		49.9		mg/Kg			03/06/23 12:56	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	<49.9	U	49.9		mg/Kg		03/03/23 08:59	03/03/23 15:27	1
Diesel Range Organics (Over C10-C28)	1070		49.9		mg/Kg		03/03/23 08:59	03/03/23 15:27	1
Oil Range Organics (Over C28-C36)	159		49.9		mg/Kg		03/03/23 08:59	03/03/23 15:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				03/03/23 08:59	03/03/23 15:27	1
o-Terphenyl	110		70 - 130				03/03/23 08:59	03/03/23 15:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13300		99.8		mg/Kg			03/05/23 18:20	20

Client Sample ID: T-8 (1.5')

Lab Sample ID: 880-25237-31

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/08/23 14:34	03/12/23 08:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:34	03/12/23 08:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:34	03/12/23 08:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/08/23 14:34	03/12/23 08:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:34	03/12/23 08:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/08/23 14:34	03/12/23 08:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				03/08/23 14:34	03/12/23 08:46	1
1,4-Difluorobenzene (Surr)	80		70 - 130				03/08/23 14:34	03/12/23 08:46	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			03/13/23 18:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/06/23 12:56	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		03/03/23 08:59	03/03/23 16:11	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

Client Sample ID: T-8 (1.5')

Lab Sample ID: 880-25237-31

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/03/23 08:59	03/03/23 16:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/03/23 08:59	03/03/23 16:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				03/03/23 08:59	03/03/23 16:11	1
o-Terphenyl	107		70 - 130				03/03/23 08:59	03/03/23 16:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1200		25.3		mg/Kg			03/05/23 18:26	5

Client Sample ID: T-8 (2')

Lab Sample ID: 880-25237-32

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/08/23 14:34	03/12/23 09:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:34	03/12/23 09:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:34	03/12/23 09:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/08/23 14:34	03/12/23 09:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:34	03/12/23 09:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/08/23 14:34	03/12/23 09:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				03/08/23 14:34	03/12/23 09:07	1
1,4-Difluorobenzene (Surr)	60	S1-	70 - 130				03/08/23 14:34	03/12/23 09:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/13/23 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	<49.9	U	49.9		mg/Kg			03/06/23 12:56	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	<49.9	U	49.9		mg/Kg		03/03/23 08:59	03/03/23 16:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/03/23 08:59	03/03/23 16:32	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/03/23 08:59	03/03/23 16:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				03/03/23 08:59	03/03/23 16:32	1
o-Terphenyl	109		70 - 130				03/03/23 08:59	03/03/23 16:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1020		4.97		mg/Kg			03/05/23 18:44	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

Client Sample ID: T-8 (3')

Lab Sample ID: 880-25237-33

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/08/23 14:34	03/12/23 09:28	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/08/23 14:34	03/12/23 09:28	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/08/23 14:34	03/12/23 09:28	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/08/23 14:34	03/12/23 09:28	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/08/23 14:34	03/12/23 09:28	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/08/23 14:34	03/12/23 09:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	68	S1-	70 - 130	03/08/23 14:34	03/12/23 09:28	1
1,4-Difluorobenzene (Surr)	140	S1+	70 - 130	03/08/23 14:34	03/12/23 09:28	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			03/13/23 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	<49.9	U	49.9		mg/Kg			03/06/23 12:56	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	<49.9	U	49.9		mg/Kg		03/03/23 08:59	03/03/23 16:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/03/23 08:59	03/03/23 16:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/03/23 08:59	03/03/23 16:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	03/03/23 08:59	03/03/23 16:54	1
o-Terphenyl	112		70 - 130	03/03/23 08:59	03/03/23 16:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2690		25.0		mg/Kg			03/05/23 18:51	5

Client Sample ID: T-8 (4')

Lab Sample ID: 880-25237-34

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/08/23 14:34	03/12/23 09:48	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/08/23 14:34	03/12/23 09:48	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/08/23 14:34	03/12/23 09:48	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/08/23 14:34	03/12/23 09:48	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/08/23 14:34	03/12/23 09:48	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/08/23 14:34	03/12/23 09:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	03/08/23 14:34	03/12/23 09:48	1
1,4-Difluorobenzene (Surr)	87		70 - 130	03/08/23 14:34	03/12/23 09:48	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

Client Sample ID: T-8 (4')

Lab Sample ID: 880-25237-34

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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			03/13/23 18:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/06/23 12:56	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		03/03/23 08:59	03/03/23 17:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/03/23 08:59	03/03/23 17:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/03/23 08:59	03/03/23 17:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	03/03/23 08:59	03/03/23 17:15	1
o-Terphenyl	112		70 - 130	03/03/23 08:59	03/03/23 17:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	87.3		5.00		mg/Kg			03/05/23 19:09	1

Client Sample ID: T-9 (0-1')

Lab Sample ID: 880-25237-35

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/08/23 14:34	03/12/23 10:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/08/23 14:34	03/12/23 10:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/08/23 14:34	03/12/23 10:09	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/08/23 14:34	03/12/23 10:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/08/23 14:34	03/12/23 10:09	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/08/23 14:34	03/12/23 10:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130	03/08/23 14:34	03/12/23 10:09	1
1,4-Difluorobenzene (Surr)	80		70 - 130	03/08/23 14:34	03/12/23 10:09	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			03/13/23 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	193		49.9		mg/Kg			03/06/23 12:56	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	<49.9	U	49.9		mg/Kg		03/03/23 08:59	03/03/23 17:37	1
Diesel Range Organics (Over C10-C28)	193		49.9		mg/Kg		03/03/23 08:59	03/03/23 17:37	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

Client Sample ID: T-9 (0-1')

Lab Sample ID: 880-25237-35

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/03/23 08:59	03/03/23 17:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				03/03/23 08:59	03/03/23 17:37	1
o-Terphenyl	123		70 - 130				03/03/23 08:59	03/03/23 17:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3660		24.8		mg/Kg			03/05/23 19:15	5

Client Sample ID: T-9 (1.5')

Lab Sample ID: 880-25237-36

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/08/23 14:34	03/12/23 10:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:34	03/12/23 10:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:34	03/12/23 10:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/08/23 14:34	03/12/23 10:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:34	03/12/23 10:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/08/23 14:34	03/12/23 10:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130				03/08/23 14:34	03/12/23 10:30	1
1,4-Difluorobenzene (Surr)	82		70 - 130				03/08/23 14:34	03/12/23 10:30	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			03/13/23 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	<49.9	U	49.9		mg/Kg			03/06/23 12:56	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	<49.9	U	49.9		mg/Kg		03/03/23 08:59	03/03/23 17:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/03/23 08:59	03/03/23 17:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/03/23 08:59	03/03/23 17:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				03/03/23 08:59	03/03/23 17:59	1
o-Terphenyl	121		70 - 130				03/03/23 08:59	03/03/23 17:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	258		5.01		mg/Kg			03/05/23 19:21	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

Client Sample ID: T-9 (2')

Lab Sample ID: 880-25237-37

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/08/23 14:34	03/12/23 10:51	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:34	03/12/23 10:51	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:34	03/12/23 10:51	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/08/23 14:34	03/12/23 10:51	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:34	03/12/23 10:51	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/08/23 14:34	03/12/23 10:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	55	S1-	70 - 130	03/08/23 14:34	03/12/23 10:51	1
1,4-Difluorobenzene (Surr)	68	S1-	70 - 130	03/08/23 14:34	03/12/23 10:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/13/23 18:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/06/23 12:56	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		03/03/23 08:59	03/03/23 18:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/03/23 08:59	03/03/23 18:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/03/23 08:59	03/03/23 18:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	03/03/23 08:59	03/03/23 18:21	1
o-Terphenyl	101		70 - 130	03/03/23 08:59	03/03/23 18:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	52.9		4.99		mg/Kg			03/05/23 19:27	1

Client Sample ID: T-9 (3')

Lab Sample ID: 880-25237-38

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/08/23 14:34	03/12/23 11:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/08/23 14:34	03/12/23 11:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/08/23 14:34	03/12/23 11:11	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/08/23 14:34	03/12/23 11:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/08/23 14:34	03/12/23 11:11	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/08/23 14:34	03/12/23 11:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	46	S1-	70 - 130	03/08/23 14:34	03/12/23 11:11	1
1,4-Difluorobenzene (Surr)	66	S1-	70 - 130	03/08/23 14:34	03/12/23 11:11	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

Client Sample ID: T-9 (3')

Lab Sample ID: 880-25237-38

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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			03/13/23 18:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/06/23 12:56	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		03/03/23 08:59	03/03/23 18:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/03/23 08:59	03/03/23 18:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/03/23 08:59	03/03/23 18:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	03/03/23 08:59	03/03/23 18:42	1
o-Terphenyl	120		70 - 130	03/03/23 08:59	03/03/23 18:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	55.7		5.00		mg/Kg			03/05/23 19:34	1

Client Sample ID: T-9 (4')

Lab Sample ID: 880-25237-39

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/08/23 14:34	03/12/23 11:32	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/08/23 14:34	03/12/23 11:32	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/08/23 14:34	03/12/23 11:32	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/08/23 14:34	03/12/23 11:32	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/08/23 14:34	03/12/23 11:32	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/08/23 14:34	03/12/23 11:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130	03/08/23 14:34	03/12/23 11:32	1
1,4-Difluorobenzene (Surr)	87		70 - 130	03/08/23 14:34	03/12/23 11:32	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			03/13/23 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	<49.9	U	49.9		mg/Kg			03/06/23 12:56	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	<49.9	U	49.9		mg/Kg		03/03/23 08:59	03/03/23 19:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/03/23 08:59	03/03/23 19:04	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

Client Sample ID: T-9 (4')

Lab Sample ID: 880-25237-39

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/03/23 08:59	03/03/23 19:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				03/03/23 08:59	03/03/23 19:04	1
o-Terphenyl	131	S1+	70 - 130				03/03/23 08:59	03/03/23 19:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.2		5.00		mg/Kg			03/05/23 19:40	1

Client Sample ID: T-10 (0-1')

Lab Sample ID: 880-25237-40

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/08/23 14:34	03/12/23 11:53	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/08/23 14:34	03/12/23 11:53	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/08/23 14:34	03/12/23 11:53	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/08/23 14:34	03/12/23 11:53	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/08/23 14:34	03/12/23 11:53	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/08/23 14:34	03/12/23 11:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130				03/08/23 14:34	03/12/23 11:53	1
1,4-Difluorobenzene (Surr)	90		70 - 130				03/08/23 14:34	03/12/23 11:53	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			03/13/23 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	179		49.9		mg/Kg			03/06/23 12:56	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	<49.9	U	49.9		mg/Kg		03/03/23 08:59	03/03/23 19:25	1
Diesel Range Organics (Over C10-C28)	179		49.9		mg/Kg		03/03/23 08:59	03/03/23 19:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/03/23 08:59	03/03/23 19:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				03/03/23 08:59	03/03/23 19:25	1
o-Terphenyl	119		70 - 130				03/03/23 08:59	03/03/23 19:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6350		49.7		mg/Kg			03/05/23 19:46	10

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

Client Sample ID: T-10 (1.5')

Lab Sample ID: 880-25237-41

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/08/23 14:43	03/11/23 18:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:43	03/11/23 18:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:43	03/11/23 18:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/08/23 14:43	03/11/23 18:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:43	03/11/23 18:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/08/23 14:43	03/11/23 18:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	65	S1-	70 - 130	03/08/23 14:43	03/11/23 18:17	1
1,4-Difluorobenzene (Surr)	149	S1+	70 - 130	03/08/23 14:43	03/11/23 18:17	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			03/13/23 17:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/06/23 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/03/23 09:08	03/03/23 13:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/03/23 09:08	03/03/23 13:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/03/23 09:08	03/03/23 13:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130	03/03/23 09:08	03/03/23 13:14	1
o-Terphenyl	88		70 - 130	03/03/23 09:08	03/03/23 13:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	94.8		4.95		mg/Kg			03/05/23 22:00	1

Client Sample ID: T-10 (2')

Lab Sample ID: 880-25237-42

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/08/23 14:43	03/11/23 18:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/08/23 14:43	03/11/23 18:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/08/23 14:43	03/11/23 18:43	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/08/23 14:43	03/11/23 18:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/08/23 14:43	03/11/23 18:43	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/08/23 14:43	03/11/23 18:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130	03/08/23 14:43	03/11/23 18:43	1
1,4-Difluorobenzene (Surr)	91		70 - 130	03/08/23 14:43	03/11/23 18:43	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

Client Sample ID: T-10 (2')

Lab Sample ID: 880-25237-42

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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			03/13/23 17:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/06/23 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/03/23 09:08	03/03/23 13:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/03/23 09:08	03/03/23 13:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/03/23 09:08	03/03/23 13:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				03/03/23 09:08	03/03/23 13:36	1
o-Terphenyl	103		70 - 130				03/03/23 09:08	03/03/23 13:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	59.2		4.98		mg/Kg			03/05/23 22:15	1

Client Sample ID: T-10 (3')

Lab Sample ID: 880-25237-43

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/08/23 14:43	03/11/23 19:10	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/08/23 14:43	03/11/23 19:10	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/08/23 14:43	03/11/23 19:10	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/08/23 14:43	03/11/23 19:10	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/08/23 14:43	03/11/23 19:10	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/08/23 14:43	03/11/23 19:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				03/08/23 14:43	03/11/23 19:10	1
1,4-Difluorobenzene (Surr)	94		70 - 130				03/08/23 14:43	03/11/23 19:10	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			03/13/23 17:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/06/23 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/03/23 09:08	03/03/23 13:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/03/23 09:08	03/03/23 13:58	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

Client Sample ID: T-10 (3')

Lab Sample ID: 880-25237-43

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/03/23 09:08	03/03/23 13:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				03/03/23 09:08	03/03/23 13:58	1
o-Terphenyl	94		70 - 130				03/03/23 09:08	03/03/23 13:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.8		4.97		mg/Kg			03/05/23 22:20	1

Client Sample ID: T-11 (0-1')

Lab Sample ID: 880-25237-44

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/08/23 14:43	03/11/23 19:36	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:43	03/11/23 19:36	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:43	03/11/23 19:36	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/08/23 14:43	03/11/23 19:36	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:43	03/11/23 19:36	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/08/23 14:43	03/11/23 19:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130				03/08/23 14:43	03/11/23 19:36	1
1,4-Difluorobenzene (Surr)	90		70 - 130				03/08/23 14:43	03/11/23 19:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/13/23 17:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/06/23 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/03/23 09:08	03/03/23 14:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/03/23 09:08	03/03/23 14:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/03/23 09:08	03/03/23 14:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				03/03/23 09:08	03/03/23 14:20	1
o-Terphenyl	101		70 - 130				03/03/23 09:08	03/03/23 14:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8710		49.6		mg/Kg			03/05/23 22:24	10

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Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

Client Sample ID: T-11 (1.5')

Lab Sample ID: 880-25237-45

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/08/23 14:43	03/11/23 20:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/08/23 14:43	03/11/23 20:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/08/23 14:43	03/11/23 20:03	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/08/23 14:43	03/11/23 20:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/08/23 14:43	03/11/23 20:03	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/08/23 14:43	03/11/23 20:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130				03/08/23 14:43	03/11/23 20:03	1
1,4-Difluorobenzene (Surr)	111		70 - 130				03/08/23 14:43	03/11/23 20:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/13/23 17:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/06/23 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/03/23 09:08	03/03/23 12:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/03/23 09:08	03/03/23 12:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/03/23 09:08	03/03/23 12:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				03/03/23 09:08	03/03/23 12:52	1
o-Terphenyl	100		70 - 130				03/03/23 09:08	03/03/23 12:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	924		4.95		mg/Kg			03/05/23 22:29	1

Client Sample ID: T-11 (2')

Lab Sample ID: 880-25237-46

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/08/23 14:43	03/11/23 20:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/08/23 14:43	03/11/23 20:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/08/23 14:43	03/11/23 20:29	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/08/23 14:43	03/11/23 20:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/08/23 14:43	03/11/23 20:29	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/08/23 14:43	03/11/23 20:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				03/08/23 14:43	03/11/23 20:29	1
1,4-Difluorobenzene (Surr)	92		70 - 130				03/08/23 14:43	03/11/23 20:29	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

Client Sample ID: T-11 (2')

Lab Sample ID: 880-25237-46

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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			03/13/23 17:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/06/23 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/03/23 09:08	03/03/23 15:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/03/23 09:08	03/03/23 15:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/03/23 09:08	03/03/23 15:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	03/03/23 09:08	03/03/23 15:05	1
o-Terphenyl	89		70 - 130	03/03/23 09:08	03/03/23 15:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	124		4.97		mg/Kg			03/05/23 22:44	1

Client Sample ID: T-11 (3')

Lab Sample ID: 880-25237-47

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/08/23 14:43	03/11/23 20:56	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:43	03/11/23 20:56	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:43	03/11/23 20:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/08/23 14:43	03/11/23 20:56	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/08/23 14:43	03/11/23 20:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/08/23 14:43	03/11/23 20:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	03/08/23 14:43	03/11/23 20:56	1
1,4-Difluorobenzene (Surr)	93		70 - 130	03/08/23 14:43	03/11/23 20:56	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			03/13/23 17:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/03/23 12:43	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	<50.0	U *1	50.0		mg/Kg		03/02/23 12:28	03/03/23 05:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/02/23 12:28	03/03/23 05:16	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

Client Sample ID: T-11 (3')

Lab Sample ID: 880-25237-47

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/02/23 12:28	03/03/23 05:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				03/02/23 12:28	03/03/23 05:16	1
o-Terphenyl	103		70 - 130				03/02/23 12:28	03/03/23 05:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	57.1		5.01		mg/Kg			03/05/23 22:49	1

Surrogate Summary

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

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)
880-25216-A-1-C MS	Matrix Spike	79	92
880-25216-A-1-D MSD	Matrix Spike Duplicate	79	84
880-25237-1	T-1 (0-1')	111	106
880-25237-1 MS	T-1 (0-1')	119	109
880-25237-1 MSD	T-1 (0-1')	116	109
880-25237-2	T-1 (1.5')	115	108
880-25237-3	T-1 (2')	117	104
880-25237-4	T-1 (2.5')	118	109
880-25237-5	T-2 (0-1')	129	109
880-25237-6	T-2 (1.5')	118	111
880-25237-7	T-2 (2')	124	113
880-25237-8	T-2 (3')	117	109
880-25237-9	T-3 (0-1')	117	112
880-25237-10	T-3 (1.5')	122	110
880-25237-11	T-3 (2')	108	105
880-25237-12	T-3 (3')	119	107
880-25237-13	T-4 (0-1')	111	105
880-25237-14	T-4 (1.5')	117	109
880-25237-15	T-4 (2')	118	109
880-25237-16	T-4 (3')	116	106
880-25237-17	T-5 (0-1')	118	108
880-25237-18	T-5 (1.5')	135 S1+	114
880-25237-19	T-5 (2')	118	109
880-25237-20	T-5 (3')	119	107
880-25237-21	T-6 (0-1')	110	104
880-25237-22	T-6 (1.5')	133 S1+	84
880-25237-22 MS	T-6 (1.5')	114	79
880-25237-22 MSD	T-6 (1.5')	120	85
880-25237-23	T-6 (2')	144 S1+	85
880-25237-24	T-6 (3')	110	67 S1-
880-25237-25	T-6 (4')	141 S1+	85
880-25237-26	T-7 (0-1')	129	88
880-25237-27	T-7 (1.5')	138 S1+	89
880-25237-28	T-7 (2')	137 S1+	84
880-25237-29	T-7 (3')	139 S1+	88
880-25237-30	T-8 (0-1')	126	95
880-25237-31	T-8 (1.5')	122	80
880-25237-32	T-8 (2')	118	60 S1-
880-25237-33	T-8 (3')	68 S1-	140 S1+
880-25237-34	T-8 (4')	124	87
880-25237-35	T-9 (0-1')	133 S1+	80
880-25237-36	T-9 (1.5')	135 S1+	82
880-25237-37	T-9 (2')	55 S1-	68 S1-
880-25237-38	T-9 (3')	46 S1-	66 S1-
880-25237-39	T-9 (4')	133 S1+	87
880-25237-40	T-10 (0-1')	128	90
880-25237-41	T-10 (1.5')	65 S1-	149 S1+
880-25237-42	T-10 (2')	83	91
880-25237-43	T-10 (3')	96	94

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Surrogate Summary

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-25237-44	T-11 (0-1')	84	90
880-25237-45	T-11 (1.5')	86	111
880-25237-46	T-11 (2')	89	92
880-25237-47	T-11 (3')	90	93
LCS 880-48132/1-A	Lab Control Sample	112	111
LCS 880-48134/1-A	Lab Control Sample	114	83
LCS 880-48137/1-A	Lab Control Sample	78	101
LCSD 880-48132/2-A	Lab Control Sample Dup	115	108
LCSD 880-48134/2-A	Lab Control Sample Dup	123	85
LCSD 880-48137/2-A	Lab Control Sample Dup	79	101
MB 880-48132/5-A	Method Blank	106	103
MB 880-48134/5-A	Method Blank	102	72
MB 880-48137/5-A	Method Blank	54 S1-	90
MB 880-48190/5-A	Method Blank	54 S1-	92
MB 880-48191/5-A	Method Blank	104	103
MB 880-48297/5-A	Method Blank	97	74

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-25237-1	T-1 (0-1')	103	138 S1+
880-25237-1 MS	T-1 (0-1')	113	138 S1+
880-25237-1 MSD	T-1 (0-1')	111	136 S1+
880-25237-2	T-1 (1.5')	98	131 S1+
880-25237-3	T-1 (2')	102	138 S1+
880-25237-4	T-1 (2.5')	98	128
880-25237-5	T-2 (0-1')	103	139 S1+
880-25237-6	T-2 (1.5')	100	133 S1+
880-25237-7	T-2 (2')	102	138 S1+
880-25237-8	T-2 (3')	103	141 S1+
880-25237-9	T-3 (0-1')	121	154 S1+
880-25237-10	T-3 (1.5')	97	131 S1+
880-25237-11	T-3 (2')	99	134 S1+
880-25237-12	T-3 (3')	97	130
880-25237-13	T-4 (0-1')	117	148 S1+
880-25237-14	T-4 (1.5')	94	126
880-25237-15	T-4 (2')	92	121
880-25237-16	T-4 (3')	111	138 S1+
880-25237-17	T-5 (0-1')	101	136 S1+
880-25237-18	T-5 (1.5')	92	123
880-25237-19	T-5 (2')	96	130
880-25237-20	T-5 (3')	97	130
880-25237-21	T-6 (0-1')	112	121
880-25237-21 MS	T-6 (0-1')	102	107

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-25237-21 MSD	T-6 (0-1')	107	109
880-25237-22	T-6 (1.5')	87	96
880-25237-23	T-6 (2')	96	106
880-25237-24	T-6 (3')	93	114
880-25237-25	T-6 (4')	95	104
880-25237-26	T-7 (0-1')	94	110
880-25237-27	T-7 (1.5')	91	101
880-25237-28	T-7 (2')	115	130
880-25237-29	T-7 (3')	94	105
880-25237-30	T-8 (0-1')	101	110
880-25237-31	T-8 (1.5')	98	107
880-25237-32	T-8 (2')	97	109
880-25237-33	T-8 (3')	99	112
880-25237-34	T-8 (4')	99	112
880-25237-35	T-9 (0-1')	108	123
880-25237-36	T-9 (1.5')	107	121
880-25237-37	T-9 (2')	92	101
880-25237-38	T-9 (3')	110	120
880-25237-39	T-9 (4')	114	131 S1+
880-25237-40	T-10 (0-1')	109	119
880-25237-41	T-10 (1.5')	87	88
880-25237-42	T-10 (2')	108	103
880-25237-43	T-10 (3')	95	94
880-25237-44	T-11 (0-1')	102	101
880-25237-45	T-11 (1.5')	100	100
880-25237-46	T-11 (2')	88	89
880-25237-47	T-11 (3')	102	103
880-25237-47 MS	T-11 (3')	116	116
880-25237-47 MSD	T-11 (3')	115	116
880-25244-A-3-B MS	Matrix Spike	87	89
880-25244-A-3-C MSD	Matrix Spike Duplicate	86	88
880-25349-A-1-B MS	Matrix Spike	93	84
880-25349-A-1-C MSD	Matrix Spike Duplicate	102	88
LCS 880-47636/2-A	Lab Control Sample	80	85
LCS 880-47638/2-A	Lab Control Sample	81	107
LCS 880-47691/2-A	Lab Control Sample	69 S1-	78
LCS 880-47692/2-A	Lab Control Sample	94	100
LCS 880-47769/2-A	Lab Control Sample	79	84
LCSD 880-47636/3-A	Lab Control Sample Dup	96	102
LCSD 880-47638/3-A	Lab Control Sample Dup	89	113
LCSD 880-47691/3-A	Lab Control Sample Dup	69 S1-	77
LCSD 880-47692/3-A	Lab Control Sample Dup	113	99
LCSD 880-47769/3-A	Lab Control Sample Dup	82	87
MB 880-47636/1-A	Method Blank	100	110
MB 880-47638/1-A	Method Blank	118	160 S1+
MB 880-47691/1-A	Method Blank	110	127
MB 880-47692/1-A	Method Blank	110	112
MB 880-47769/1-A	Method Blank	125	141 S1+

Surrogate Legend

Surrogate Summary

Client: Carmona Resources
Project/Site: Yeah Yeah Federal Com 504H & 505H
1CO = 1-Chlorooctane
OTPH = o-Terphenyl

Job ID: 880-25237-1
SDG: Lea County, New Mexico

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QC Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-48132/5-A
 Matrix: Solid
 Analysis Batch: 48223

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 48132

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/08/23 14:27	03/10/23 04:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/08/23 14:27	03/10/23 04:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/08/23 14:27	03/10/23 04:38	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/08/23 14:27	03/10/23 04:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/08/23 14:27	03/10/23 04:38	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/08/23 14:27	03/10/23 04:38	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	03/08/23 14:27	03/10/23 04:38	1
1,4-Difluorobenzene (Surr)	103		70 - 130	03/08/23 14:27	03/10/23 04:38	1

Lab Sample ID: LCS 880-48132/1-A
 Matrix: Solid
 Analysis Batch: 48223

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 48132

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08386		mg/Kg		84	70 - 130
Toluene	0.100	0.08053		mg/Kg		81	70 - 130
Ethylbenzene	0.100	0.08059		mg/Kg		81	70 - 130
m-Xylene & p-Xylene	0.200	0.1717		mg/Kg		86	70 - 130
o-Xylene	0.100	0.08544		mg/Kg		85	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: LCSD 880-48132/2-A
 Matrix: Solid
 Analysis Batch: 48223

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 48132

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08555		mg/Kg		86	70 - 130	2	35
Toluene	0.100	0.08875		mg/Kg		89	70 - 130	10	35
Ethylbenzene	0.100	0.09006		mg/Kg		90	70 - 130	11	35
m-Xylene & p-Xylene	0.200	0.1912		mg/Kg		96	70 - 130	11	35
o-Xylene	0.100	0.09370		mg/Kg		94	70 - 130	9	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: 880-25237-1 MS
 Matrix: Solid
 Analysis Batch: 48223

Client Sample ID: T-1 (0-1')
 Prep Type: Total/NA
 Prep Batch: 48132

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0998	0.1064		mg/Kg		107	70 - 130
Toluene	<0.00199	U	0.0998	0.1012		mg/Kg		101	70 - 130

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QC Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-25237-1 MS

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

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 48223

Prep Batch: 48132

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier		Added	Result				
Ethylbenzene	<0.00199	U	0.0998	0.1032		mg/Kg		103	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2151		mg/Kg		108	70 - 130
o-Xylene	<0.00199	U	0.0998	0.1071		mg/Kg		107	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: 880-25237-1 MSD

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

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 48223

Prep Batch: 48132

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier		Added	Result						
Benzene	<0.00199	U	0.100	0.1061		mg/Kg		106	70 - 130	0	35
Toluene	<0.00199	U	0.100	0.1031		mg/Kg		102	70 - 130	2	35
Ethylbenzene	<0.00199	U	0.100	0.1043		mg/Kg		104	70 - 130	1	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2182		mg/Kg		109	70 - 130	1	35
o-Xylene	<0.00199	U	0.100	0.1079		mg/Kg		107	70 - 130	1	35

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: MB 880-48134/5-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 48396

Prep Batch: 48134

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		03/08/23 14:34	03/12/23 03:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/08/23 14:34	03/12/23 03:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/08/23 14:34	03/12/23 03:53	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/08/23 14:34	03/12/23 03:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/08/23 14:34	03/12/23 03:53	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/08/23 14:34	03/12/23 03:53	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	102		70 - 130	03/08/23 14:34	03/12/23 03:53	1
1,4-Difluorobenzene (Surr)	72		70 - 130	03/08/23 14:34	03/12/23 03:53	1

Lab Sample ID: LCS 880-48134/1-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 48396

Prep Batch: 48134

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
		Added	Result				
Benzene	0.100	0.08033		mg/Kg		80	70 - 130
Toluene	0.100	0.08426		mg/Kg		84	70 - 130
Ethylbenzene	0.100	0.08522		mg/Kg		85	70 - 130
m-Xylene & p-Xylene	0.200	0.1762		mg/Kg		88	70 - 130

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QC Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-48134/1-A
 Matrix: Solid
 Analysis Batch: 48396

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 48134

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.09035		mg/Kg		90	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	83		70 - 130

Lab Sample ID: LCSD 880-48134/2-A
 Matrix: Solid
 Analysis Batch: 48396

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 48134

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.08951		mg/Kg		90	70 - 130	11	35
Toluene	0.100	0.09425		mg/Kg		94	70 - 130	11	35
Ethylbenzene	0.100	0.09673		mg/Kg		97	70 - 130	13	35
m-Xylene & p-Xylene	0.200	0.1999		mg/Kg		100	70 - 130	13	35
o-Xylene	0.100	0.1023		mg/Kg		102	70 - 130	12	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	123		70 - 130
1,4-Difluorobenzene (Surr)	85		70 - 130

Lab Sample ID: 880-25237-22 MS
 Matrix: Solid
 Analysis Batch: 48396

Client Sample ID: T-6 (1.5')
 Prep Type: Total/NA
 Prep Batch: 48134

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.100	0.07583		mg/Kg		75	70 - 130
Toluene	<0.00202	U	0.100	0.07990		mg/Kg		80	70 - 130
Ethylbenzene	<0.00202	U	0.100	0.08259		mg/Kg		82	70 - 130
m-Xylene & p-Xylene	<0.00404	U	0.200	0.1715		mg/Kg		86	70 - 130
o-Xylene	<0.00202	U	0.100	0.08834		mg/Kg		88	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	79		70 - 130

Lab Sample ID: 880-25237-22 MSD
 Matrix: Solid
 Analysis Batch: 48396

Client Sample ID: T-6 (1.5')
 Prep Type: Total/NA
 Prep Batch: 48134

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00202	U	0.101	0.08635		mg/Kg		85	70 - 130	13	35
Toluene	<0.00202	U	0.101	0.08974		mg/Kg		89	70 - 130	12	35
Ethylbenzene	<0.00202	U	0.101	0.08815		mg/Kg		87	70 - 130	7	35
m-Xylene & p-Xylene	<0.00404	U	0.202	0.1845		mg/Kg		91	70 - 130	7	35
o-Xylene	<0.00202	U	0.101	0.09492		mg/Kg		94	70 - 130	7	35

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QC Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-25237-22 MSD
Matrix: Solid
Analysis Batch: 48396

Client Sample ID: T-6 (1.5')
Prep Type: Total/NA
Prep Batch: 48134

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	120		70 - 130
1,4-Difluorobenzene (Surr)	85		70 - 130

Lab Sample ID: MB 880-48137/5-A
Matrix: Solid
Analysis Batch: 48287

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 48137

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		03/08/23 14:43	03/11/23 16:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/08/23 14:43	03/11/23 16:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/08/23 14:43	03/11/23 16:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/08/23 14:43	03/11/23 16:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/08/23 14:43	03/11/23 16:31	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/08/23 14:43	03/11/23 16:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	54	S1-	70 - 130	03/08/23 14:43	03/11/23 16:31	1
1,4-Difluorobenzene (Surr)	90		70 - 130	03/08/23 14:43	03/11/23 16:31	1

Lab Sample ID: LCS 880-48137/1-A
Matrix: Solid
Analysis Batch: 48287

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 48137

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	0.100	0.07944		mg/Kg		79	70 - 130
Toluene	0.100	0.07792		mg/Kg		78	70 - 130
Ethylbenzene	0.100	0.07412		mg/Kg		74	70 - 130
m-Xylene & p-Xylene	0.200	0.1508		mg/Kg		75	70 - 130
o-Xylene	0.100	0.07800		mg/Kg		78	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	78		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-48137/2-A
Matrix: Solid
Analysis Batch: 48287

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 48137

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec Limits	RPD	
		Result	Qualifier					RPD	Limit
Benzene	0.100	0.06996		mg/Kg		70	70 - 130	13	35
Toluene	0.100	0.07182		mg/Kg		72	70 - 130	8	35
Ethylbenzene	0.100	0.07001		mg/Kg		70	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.1446		mg/Kg		72	70 - 130	4	35
o-Xylene	0.100	0.07463		mg/Kg		75	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	79		70 - 130

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QC Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-48137/2-A
 Matrix: Solid
 Analysis Batch: 48287

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 48137

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

Lab Sample ID: 880-25216-A-1-C MS
 Matrix: Solid
 Analysis Batch: 48287

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 48137

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
	MS %Recovery	MS Qualifier	Limits							
Benzene	<0.00201	U F2 F1	0.100	0.06488	F1	mg/Kg		65	70 - 130	
Toluene	<0.00201	U F2 F1	0.100	0.05682	F1	mg/Kg		57	70 - 130	
Ethylbenzene	<0.00201	U F2 F1	0.100	0.04746	F1	mg/Kg		47	70 - 130	
m-Xylene & p-Xylene	<0.00402	U F2 F1	0.201	0.09094	F1	mg/Kg		45	70 - 130	
o-Xylene	<0.00201	U F2 F1	0.100	0.04718	F1	mg/Kg		47	70 - 130	
Surrogate	MS %Recovery	MS Qualifier	Limits							
4-Bromofluorobenzene (Surr)	79		70 - 130							
1,4-Difluorobenzene (Surr)	92		70 - 130							

Lab Sample ID: 880-25216-A-1-D MSD
 Matrix: Solid
 Analysis Batch: 48287

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 48137

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
	MSD %Recovery	MSD Qualifier	Limits								
Benzene	<0.00201	U F2 F1	0.0990	0.03226	F2 F1	mg/Kg		33	70 - 130	67	35
Toluene	<0.00201	U F2 F1	0.0990	0.02940	F2 F1	mg/Kg		30	70 - 130	64	35
Ethylbenzene	<0.00201	U F2 F1	0.0990	0.02459	F2 F1	mg/Kg		25	70 - 130	63	35
m-Xylene & p-Xylene	<0.00402	U F2 F1	0.198	0.04659	F2 F1	mg/Kg		24	70 - 130	65	35
o-Xylene	<0.00201	U F2 F1	0.0990	0.02711	F2 F1	mg/Kg		27	70 - 130	54	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	79		70 - 130								
1,4-Difluorobenzene (Surr)	84		70 - 130								

Lab Sample ID: MB 880-48190/5-A
 Matrix: Solid
 Analysis Batch: 48287

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 48190

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	MB %Recovery	MB Qualifier	Limits						
Benzene	<0.00200	U	0.00200		mg/Kg		03/09/23 09:59	03/11/23 02:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/09/23 09:59	03/11/23 02:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/09/23 09:59	03/11/23 02:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/09/23 09:59	03/11/23 02:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/09/23 09:59	03/11/23 02:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/09/23 09:59	03/11/23 02:49	1
Surrogate	MB %Recovery	MB Qualifier	Limits						
4-Bromofluorobenzene (Surr)	54	S1-	70 - 130						
1,4-Difluorobenzene (Surr)	92		70 - 130						

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QC Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-48191/5-A
 Matrix: Solid
 Analysis Batch: 48223

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 48191

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/09/23 10:01	03/09/23 17:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/09/23 10:01	03/09/23 17:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/09/23 10:01	03/09/23 17:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/09/23 10:01	03/09/23 17:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/09/23 10:01	03/09/23 17:03	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/09/23 10:01	03/09/23 17:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	03/09/23 10:01	03/09/23 17:03	1
1,4-Difluorobenzene (Surr)	103		70 - 130	03/09/23 10:01	03/09/23 17:03	1

Lab Sample ID: MB 880-48297/5-A
 Matrix: Solid
 Analysis Batch: 48396

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 48297

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/10/23 10:17	03/11/23 16:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/10/23 10:17	03/11/23 16:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/10/23 10:17	03/11/23 16:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/10/23 10:17	03/11/23 16:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/10/23 10:17	03/11/23 16:11	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/10/23 10:17	03/11/23 16:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	03/10/23 10:17	03/11/23 16:11	1
1,4-Difluorobenzene (Surr)	74		70 - 130	03/10/23 10:17	03/11/23 16:11	1

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

Lab Sample ID: MB 880-47636/1-A
 Matrix: Solid
 Analysis Batch: 47599

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 47636

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		03/02/23 12:28	03/02/23 20:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/02/23 12:28	03/02/23 20:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/02/23 12:28	03/02/23 20:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	03/02/23 12:28	03/02/23 20:01	1
o-Terphenyl	110		70 - 130	03/02/23 12:28	03/02/23 20:01	1

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QC Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-47636/2-A
Matrix: Solid
Analysis Batch: 47599

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 47636

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics (GRO)-C6-C10	1000	810.6		mg/Kg		81	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	865.3		mg/Kg		87	70 - 130	
Surrogate		LCS %Recovery	LCS Qualifier			Limits		
1-Chlorooctane		80				70 - 130		
o-Terphenyl		85				70 - 130		

Lab Sample ID: LCSD 880-47636/3-A
Matrix: Solid
Analysis Batch: 47599

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 47636

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD Limit	
Gasoline Range Organics (GRO)-C6-C10	1000	1083	*1	mg/Kg		108	70 - 130	29	20	
Diesel Range Organics (Over C10-C28)	1000	1023		mg/Kg		102	70 - 130	17	20	
Surrogate		LCSD %Recovery	LCSD Qualifier			Limits				
1-Chlorooctane		96				70 - 130				
o-Terphenyl		102				70 - 130				

Lab Sample ID: 880-25244-A-3-B MS
Matrix: Solid
Analysis Batch: 47599

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 47636

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	997	813.4		mg/Kg		78	70 - 130	
Diesel Range Organics (Over C10-C28)	621	F1	997	492.7	F1	mg/Kg		-13	70 - 130	
Surrogate		MS %Recovery	MS Qualifier			Limits				
1-Chlorooctane		87				70 - 130				
o-Terphenyl		89				70 - 130				

Lab Sample ID: 880-25244-A-3-C MSD
Matrix: Solid
Analysis Batch: 47599

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 47636

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	999	893.6		mg/Kg		86	70 - 130	9	20	
Diesel Range Organics (Over C10-C28)	621	F1	999	508.8	F1	mg/Kg		-11	70 - 130	3	20	
Surrogate		MSD %Recovery	MSD Qualifier			Limits						
1-Chlorooctane		86				70 - 130						

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QC Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-25244-A-3-C MSD
Matrix: Solid
Analysis Batch: 47599

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 47636

Surrogate	MSD		Limits
	%Recovery	Qualifier	
<i>o</i> -Terphenyl	88		70 - 130

Lab Sample ID: MB 880-47638/1-A
Matrix: Solid
Analysis Batch: 47601

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 47638

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/02/23 12:32	03/02/23 20:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/02/23 12:32	03/02/23 20:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/02/23 12:32	03/02/23 20:01	1

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
<i>1</i> -Chlorooctane	118		70 - 130	03/02/23 12:32	03/02/23 20:01	1
<i>o</i> -Terphenyl	160	S1+	70 - 130	03/02/23 12:32	03/02/23 20:01	1

Lab Sample ID: LCS 880-47638/2-A
Matrix: Solid
Analysis Batch: 47601

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 47638

Analyte	Spike Added	LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	1000	1114		mg/Kg		111	70 - 130
Diesel Range Organics (Over C10-C28)	1000	869.1		mg/Kg		87	70 - 130

Surrogate	LCS		Limits
	%Recovery	Qualifier	
<i>1</i> -Chlorooctane	81		70 - 130
<i>o</i> -Terphenyl	107		70 - 130

Lab Sample ID: LCSD 880-47638/3-A
Matrix: Solid
Analysis Batch: 47601

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 47638

Analyte	Spike Added	LCSD		Unit	D	%Rec	%Rec Limits	RPD	
		Result	Qualifier					RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1228		mg/Kg		123	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	1000	938.5		mg/Kg		94	70 - 130	8	20

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
<i>1</i> -Chlorooctane	89		70 - 130
<i>o</i> -Terphenyl	113		70 - 130

QC Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-25237-1 MS
 Matrix: Solid
 Analysis Batch: 47601

Client Sample ID: T-1 (0-1')
 Prep Type: Total/NA
 Prep Batch: 47638

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	978.0		mg/Kg		95	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1156		mg/Kg		112	70 - 130	
		MS	MS							
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	113		70 - 130							
o-Terphenyl	138	S1+	70 - 130							

Lab Sample ID: 880-25237-1 MSD
 Matrix: Solid
 Analysis Batch: 47601

Client Sample ID: T-1 (0-1')
 Prep Type: Total/NA
 Prep Batch: 47638

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	968.3		mg/Kg		94	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1145		mg/Kg		111	70 - 130	1	20
		MSD	MSD								
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	111		70 - 130								
o-Terphenyl	136	S1+	70 - 130								

Lab Sample ID: MB 880-47691/1-A
 Matrix: Solid
 Analysis Batch: 47687

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 47691

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		03/03/23 08:09	03/03/23 08:35	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/03/23 08:09	03/03/23 08:35	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/03/23 08:09	03/03/23 08:35	1	
		MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac				
1-Chlorooctane	110		70 - 130	03/03/23 08:09	03/03/23 08:35	1				
o-Terphenyl	127		70 - 130	03/03/23 08:09	03/03/23 08:35	1				

Lab Sample ID: LCS 880-47691/2-A
 Matrix: Solid
 Analysis Batch: 47687

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 47691

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1088		mg/Kg		109	70 - 130
Diesel Range Organics (Over C10-C28)	1000	884.6		mg/Kg		88	70 - 130

QC Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-47691/2-A
Matrix: Solid
Analysis Batch: 47687

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 47691

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	69	S1-	70 - 130
o-Terphenyl	78		70 - 130

Lab Sample ID: LCSD 880-47691/3-A
Matrix: Solid
Analysis Batch: 47687

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 47691

Analyte	Spike Added	LCSD		Unit	D	%Rec	%Rec		RPD	Limit
		Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	1000	1101		mg/Kg		110	70 - 130	1		20
Diesel Range Organics (Over C10-C28)	1000	883.3		mg/Kg		88	70 - 130	0		20

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	69	S1-	70 - 130
o-Terphenyl	77		70 - 130

Lab Sample ID: 880-25237-21 MS
Matrix: Solid
Analysis Batch: 47687

Client Sample ID: T-6 (0-1')
Prep Type: Total/NA
Prep Batch: 47691

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	67.6		999	927.7		mg/Kg		86	70 - 130			
Diesel Range Organics (Over C10-C28)	2740	F1	999	2388	F1	mg/Kg		-35	70 - 130			

Surrogate	MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	102		70 - 130
o-Terphenyl	107		70 - 130

Lab Sample ID: 880-25237-21 MSD
Matrix: Solid
Analysis Batch: 47687

Client Sample ID: T-6 (0-1')
Prep Type: Total/NA
Prep Batch: 47691

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	67.6		997	880.9		mg/Kg		82	70 - 130	5		20
Diesel Range Organics (Over C10-C28)	2740	F1	997	2492	F1	mg/Kg		-25	70 - 130	4		20

Surrogate	MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	107		70 - 130
o-Terphenyl	109		70 - 130

QC Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-47692/1-A
 Matrix: Solid
 Analysis Batch: 47685

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 47692

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		03/03/23 08:08	03/03/23 08:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/03/23 08:08	03/03/23 08:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/03/23 08:08	03/03/23 08:35	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	110		70 - 130	03/03/23 08:08	03/03/23 08:35	1
o-Terphenyl	112		70 - 130	03/03/23 08:08	03/03/23 08:35	1

Lab Sample ID: LCS 880-47692/2-A
 Matrix: Solid
 Analysis Batch: 47685

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 47692

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	999	1029		mg/Kg		103	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	94		70 - 130
o-Terphenyl	100		70 - 130

Lab Sample ID: LCSD 880-47692/3-A
 Matrix: Solid
 Analysis Batch: 47685

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 47692

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	999	977.0		mg/Kg		98	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	999	1017		mg/Kg		102	70 - 130	1	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	113		70 - 130
o-Terphenyl	99		70 - 130

Lab Sample ID: 880-25349-A-1-B MS
 Matrix: Solid
 Analysis Batch: 47685

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 47692

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	<50.0	U	999	857.5		mg/Kg		84	70 - 130

QC Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-25349-A-1-B MS
Matrix: Solid
Analysis Batch: 47685

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 47692

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	93		70 - 130
o-Terphenyl	84		70 - 130

Lab Sample ID: 880-25349-A-1-C MSD
Matrix: Solid
Analysis Batch: 47685

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 47692

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD MSD		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	1022		mg/Kg		102	70 - 130	14		20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	897.5		mg/Kg		88	70 - 130	5		20

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	102		70 - 130
o-Terphenyl	88		70 - 130

Lab Sample ID: MB 880-47769/1-A
Matrix: Solid
Analysis Batch: 47799

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 47769

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		03/03/23 15:51	03/04/23 09:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/03/23 15:51	03/04/23 09:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/03/23 15:51	03/04/23 09:09	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	125		70 - 130	03/03/23 15:51	03/04/23 09:09	1
o-Terphenyl	141	S1+	70 - 130	03/03/23 15:51	03/04/23 09:09	1

Lab Sample ID: LCS 880-47769/2-A
Matrix: Solid
Analysis Batch: 47799

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 47769

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec	
		Result	Qualifier				Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	1000	982.4		mg/Kg		98	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	983.3		mg/Kg		98	70 - 130	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	79		70 - 130
o-Terphenyl	84		70 - 130

QC Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-47769/3-A
 Matrix: Solid
 Analysis Batch: 47799

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 47769

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	1000	1023		mg/Kg		102	70 - 130	4	20	
Diesel Range Organics (Over C10-C28)	1000	1031		mg/Kg		103	70 - 130	5	20	
		LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	82		70 - 130							
o-Terphenyl	87		70 - 130							

Lab Sample ID: 880-25237-47 MS
 Matrix: Solid
 Analysis Batch: 47799

Client Sample ID: T-11 (3')
 Prep Type: Total/NA
 Prep Batch: 47769

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	919.6		mg/Kg		89	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	999	990.4		mg/Kg		97	70 - 130		
		MS	MS								
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	116		70 - 130								
o-Terphenyl	116		70 - 130								

Lab Sample ID: 880-25237-47 MSD
 Matrix: Solid
 Analysis Batch: 47799

Client Sample ID: T-11 (3')
 Prep Type: Total/NA
 Prep Batch: 47769

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	909.0		mg/Kg		88	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	990.5		mg/Kg		97	70 - 130	0	20
		MSD	MSD								
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	115		70 - 130								
o-Terphenyl	116		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-47778/1-A
 Matrix: Solid
 Analysis Batch: 47848

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			03/05/23 21:46	1

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QC Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-47778/2-A
 Matrix: Solid
 Analysis Batch: 47848

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	269.9		mg/Kg		108	90 - 110

Lab Sample ID: LCSD 880-47778/3-A
 Matrix: Solid
 Analysis Batch: 47848

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	270.3		mg/Kg		108	90 - 110	0	20

Lab Sample ID: 880-25237-41 MS
 Matrix: Solid
 Analysis Batch: 47848

Client Sample ID: T-10 (1.5')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	94.8		248	355.3		mg/Kg		105	90 - 110

Lab Sample ID: 880-25237-41 MSD
 Matrix: Solid
 Analysis Batch: 47848

Client Sample ID: T-10 (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	94.8		248	355.2		mg/Kg		105	90 - 110	0	20

Lab Sample ID: MB 880-47775/1-A
 Matrix: Solid
 Analysis Batch: 47849

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			03/06/23 07:58	1

Lab Sample ID: LCS 880-47775/2-A
 Matrix: Solid
 Analysis Batch: 47849

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	264.0		mg/Kg		106	90 - 110

Lab Sample ID: LCSD 880-47775/3-A
 Matrix: Solid
 Analysis Batch: 47849

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	264.5		mg/Kg		106	90 - 110	0	20

Lab Sample ID: 880-25237-1 MS
 Matrix: Solid
 Analysis Batch: 47849

Client Sample ID: T-1 (0-1')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2720	F1	1250	3799	F1	mg/Kg		86	90 - 110

Eurofins Midland

QC Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-25237-1 MSD
 Matrix: Solid
 Analysis Batch: 47849

Client Sample ID: T-1 (0-1')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2720	F1	1250	3798	F1	mg/Kg		86	90 - 110	0	20

Lab Sample ID: 880-25237-11 MS
 Matrix: Solid
 Analysis Batch: 47849

Client Sample ID: T-3 (2')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	120		248	383.8		mg/Kg		106	90 - 110

Lab Sample ID: 880-25237-11 MSD
 Matrix: Solid
 Analysis Batch: 47849

Client Sample ID: T-3 (2')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	120		248	384.1		mg/Kg		106	90 - 110	0	20

Lab Sample ID: MB 880-47776/1-A
 Matrix: Solid
 Analysis Batch: 47850

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			03/05/23 16:41	1

Lab Sample ID: LCS 880-47776/2-A
 Matrix: Solid
 Analysis Batch: 47850

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	238.2		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-47776/3-A
 Matrix: Solid
 Analysis Batch: 47850

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	239.1		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 880-25237-21 MS
 Matrix: Solid
 Analysis Batch: 47850

Client Sample ID: T-6 (0-1')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	8070		2480	10620		mg/Kg		103	90 - 110

Lab Sample ID: 880-25237-21 MSD
 Matrix: Solid
 Analysis Batch: 47850

Client Sample ID: T-6 (0-1')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	8070		2480	10580		mg/Kg		101	90 - 110	0	20

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QC Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-25237-31 MS
 Matrix: Solid
 Analysis Batch: 47850

Client Sample ID: T-8 (1.5')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1200		1260	2525		mg/Kg		105	90 - 110

Lab Sample ID: 880-25237-31 MSD
 Matrix: Solid
 Analysis Batch: 47850

Client Sample ID: T-8 (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	1200		1260	2516		mg/Kg		105	90 - 110	0	20

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

QC Association Summary

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

GC VOA

Prep Batch: 48132

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25237-1	T-1 (0-1')	Total/NA	Solid	5035	
880-25237-2	T-1 (1.5')	Total/NA	Solid	5035	
880-25237-3	T-1 (2')	Total/NA	Solid	5035	
880-25237-4	T-1 (2.5')	Total/NA	Solid	5035	
880-25237-5	T-2 (0-1')	Total/NA	Solid	5035	
880-25237-6	T-2 (1.5')	Total/NA	Solid	5035	
880-25237-7	T-2 (2')	Total/NA	Solid	5035	
880-25237-8	T-2 (3')	Total/NA	Solid	5035	
880-25237-9	T-3 (0-1')	Total/NA	Solid	5035	
880-25237-10	T-3 (1.5')	Total/NA	Solid	5035	
880-25237-11	T-3 (2')	Total/NA	Solid	5035	
880-25237-12	T-3 (3')	Total/NA	Solid	5035	
880-25237-13	T-4 (0-1')	Total/NA	Solid	5035	
880-25237-14	T-4 (1.5')	Total/NA	Solid	5035	
880-25237-15	T-4 (2')	Total/NA	Solid	5035	
880-25237-16	T-4 (3')	Total/NA	Solid	5035	
880-25237-17	T-5 (0-1')	Total/NA	Solid	5035	
880-25237-18	T-5 (1.5')	Total/NA	Solid	5035	
880-25237-19	T-5 (2')	Total/NA	Solid	5035	
880-25237-20	T-5 (3')	Total/NA	Solid	5035	
MB 880-48132/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-48132/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-48132/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-25237-1 MS	T-1 (0-1')	Total/NA	Solid	5035	
880-25237-1 MSD	T-1 (0-1')	Total/NA	Solid	5035	

Prep Batch: 48134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25237-21	T-6 (0-1')	Total/NA	Solid	5035	
880-25237-22	T-6 (1.5')	Total/NA	Solid	5035	
880-25237-23	T-6 (2')	Total/NA	Solid	5035	
880-25237-24	T-6 (3')	Total/NA	Solid	5035	
880-25237-25	T-6 (4')	Total/NA	Solid	5035	
880-25237-26	T-7 (0-1')	Total/NA	Solid	5035	
880-25237-27	T-7 (1.5')	Total/NA	Solid	5035	
880-25237-28	T-7 (2')	Total/NA	Solid	5035	
880-25237-29	T-7 (3')	Total/NA	Solid	5035	
880-25237-30	T-8 (0-1')	Total/NA	Solid	5035	
880-25237-31	T-8 (1.5')	Total/NA	Solid	5035	
880-25237-32	T-8 (2')	Total/NA	Solid	5035	
880-25237-33	T-8 (3')	Total/NA	Solid	5035	
880-25237-34	T-8 (4')	Total/NA	Solid	5035	
880-25237-35	T-9 (0-1')	Total/NA	Solid	5035	
880-25237-36	T-9 (1.5')	Total/NA	Solid	5035	
880-25237-37	T-9 (2')	Total/NA	Solid	5035	
880-25237-38	T-9 (3')	Total/NA	Solid	5035	
880-25237-39	T-9 (4')	Total/NA	Solid	5035	
880-25237-40	T-10 (0-1')	Total/NA	Solid	5035	
MB 880-48134/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-48134/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-48134/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

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QC Association Summary

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

GC VOA (Continued)

Prep Batch: 48134 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25237-22 MS	T-6 (1.5')	Total/NA	Solid	5035	
880-25237-22 MSD	T-6 (1.5')	Total/NA	Solid	5035	

Prep Batch: 48137

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25237-41	T-10 (1.5')	Total/NA	Solid	5035	
880-25237-42	T-10 (2')	Total/NA	Solid	5035	
880-25237-43	T-10 (3')	Total/NA	Solid	5035	
880-25237-44	T-11 (0-1')	Total/NA	Solid	5035	
880-25237-45	T-11 (1.5')	Total/NA	Solid	5035	
880-25237-46	T-11 (2')	Total/NA	Solid	5035	
880-25237-47	T-11 (3')	Total/NA	Solid	5035	
MB 880-48137/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-48137/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 880-48137/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-25216-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-25216-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 48190

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-48190/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 48191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-48191/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 48223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25237-1	T-1 (0-1')	Total/NA	Solid	8021B	48132
880-25237-2	T-1 (1.5')	Total/NA	Solid	8021B	48132
880-25237-3	T-1 (2')	Total/NA	Solid	8021B	48132
880-25237-4	T-1 (2.5')	Total/NA	Solid	8021B	48132
880-25237-5	T-2 (0-1')	Total/NA	Solid	8021B	48132
880-25237-6	T-2 (1.5')	Total/NA	Solid	8021B	48132
880-25237-7	T-2 (2')	Total/NA	Solid	8021B	48132
880-25237-8	T-2 (3')	Total/NA	Solid	8021B	48132
880-25237-9	T-3 (0-1')	Total/NA	Solid	8021B	48132
880-25237-10	T-3 (1.5')	Total/NA	Solid	8021B	48132
880-25237-11	T-3 (2')	Total/NA	Solid	8021B	48132
880-25237-12	T-3 (3')	Total/NA	Solid	8021B	48132
880-25237-13	T-4 (0-1')	Total/NA	Solid	8021B	48132
880-25237-14	T-4 (1.5')	Total/NA	Solid	8021B	48132
880-25237-15	T-4 (2')	Total/NA	Solid	8021B	48132
880-25237-16	T-4 (3')	Total/NA	Solid	8021B	48132
880-25237-17	T-5 (0-1')	Total/NA	Solid	8021B	48132
880-25237-18	T-5 (1.5')	Total/NA	Solid	8021B	48132
880-25237-19	T-5 (2')	Total/NA	Solid	8021B	48132
880-25237-20	T-5 (3')	Total/NA	Solid	8021B	48132
MB 880-48132/5-A	Method Blank	Total/NA	Solid	8021B	48132
MB 880-48191/5-A	Method Blank	Total/NA	Solid	8021B	48191
LCS 880-48132/1-A	Lab Control Sample	Total/NA	Solid	8021B	48132

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QC Association Summary

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

GC VOA (Continued)

Analysis Batch: 48223 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-48132/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48132
880-25237-1 MS	T-1 (0-1')	Total/NA	Solid	8021B	48132
880-25237-1 MSD	T-1 (0-1')	Total/NA	Solid	8021B	48132

Analysis Batch: 48287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25237-41	T-10 (1.5')	Total/NA	Solid	8021B	48137
880-25237-42	T-10 (2')	Total/NA	Solid	8021B	48137
880-25237-43	T-10 (3')	Total/NA	Solid	8021B	48137
880-25237-44	T-11 (0-1')	Total/NA	Solid	8021B	48137
880-25237-45	T-11 (1.5')	Total/NA	Solid	8021B	48137
880-25237-46	T-11 (2')	Total/NA	Solid	8021B	48137
880-25237-47	T-11 (3')	Total/NA	Solid	8021B	48137
MB 880-48137/5-A	Method Blank	Total/NA	Solid	8021B	48137
MB 880-48190/5-A	Method Blank	Total/NA	Solid	8021B	48190
LCS 880-48137/1-A	Lab Control Sample	Total/NA	Solid	8021B	48137
LCSD 880-48137/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48137
880-25216-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	48137
880-25216-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	48137

Prep Batch: 48297

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-48297/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 48367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25237-1	T-1 (0-1')	Total/NA	Solid	Total BTEX	
880-25237-2	T-1 (1.5')	Total/NA	Solid	Total BTEX	
880-25237-3	T-1 (2')	Total/NA	Solid	Total BTEX	
880-25237-4	T-1 (2.5')	Total/NA	Solid	Total BTEX	
880-25237-5	T-2 (0-1')	Total/NA	Solid	Total BTEX	
880-25237-6	T-2 (1.5')	Total/NA	Solid	Total BTEX	
880-25237-7	T-2 (2')	Total/NA	Solid	Total BTEX	
880-25237-8	T-2 (3')	Total/NA	Solid	Total BTEX	
880-25237-9	T-3 (0-1')	Total/NA	Solid	Total BTEX	
880-25237-10	T-3 (1.5')	Total/NA	Solid	Total BTEX	
880-25237-11	T-3 (2')	Total/NA	Solid	Total BTEX	
880-25237-12	T-3 (3')	Total/NA	Solid	Total BTEX	
880-25237-13	T-4 (0-1')	Total/NA	Solid	Total BTEX	
880-25237-14	T-4 (1.5')	Total/NA	Solid	Total BTEX	
880-25237-15	T-4 (2')	Total/NA	Solid	Total BTEX	
880-25237-16	T-4 (3')	Total/NA	Solid	Total BTEX	
880-25237-17	T-5 (0-1')	Total/NA	Solid	Total BTEX	
880-25237-18	T-5 (1.5')	Total/NA	Solid	Total BTEX	
880-25237-19	T-5 (2')	Total/NA	Solid	Total BTEX	
880-25237-20	T-5 (3')	Total/NA	Solid	Total BTEX	
880-25237-21	T-6 (0-1')	Total/NA	Solid	Total BTEX	
880-25237-22	T-6 (1.5')	Total/NA	Solid	Total BTEX	
880-25237-23	T-6 (2')	Total/NA	Solid	Total BTEX	
880-25237-24	T-6 (3')	Total/NA	Solid	Total BTEX	
880-25237-25	T-6 (4')	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

GC VOA (Continued)

Analysis Batch: 48367 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25237-26	T-7 (0-1')	Total/NA	Solid	Total BTEX	
880-25237-27	T-7 (1.5')	Total/NA	Solid	Total BTEX	
880-25237-28	T-7 (2')	Total/NA	Solid	Total BTEX	
880-25237-29	T-7 (3')	Total/NA	Solid	Total BTEX	
880-25237-30	T-8 (0-1')	Total/NA	Solid	Total BTEX	
880-25237-31	T-8 (1.5')	Total/NA	Solid	Total BTEX	
880-25237-32	T-8 (2')	Total/NA	Solid	Total BTEX	
880-25237-33	T-8 (3')	Total/NA	Solid	Total BTEX	
880-25237-34	T-8 (4')	Total/NA	Solid	Total BTEX	
880-25237-35	T-9 (0-1')	Total/NA	Solid	Total BTEX	
880-25237-36	T-9 (1.5')	Total/NA	Solid	Total BTEX	
880-25237-37	T-9 (2')	Total/NA	Solid	Total BTEX	
880-25237-38	T-9 (3')	Total/NA	Solid	Total BTEX	
880-25237-39	T-9 (4')	Total/NA	Solid	Total BTEX	
880-25237-40	T-10 (0-1')	Total/NA	Solid	Total BTEX	
880-25237-41	T-10 (1.5')	Total/NA	Solid	Total BTEX	
880-25237-42	T-10 (2')	Total/NA	Solid	Total BTEX	
880-25237-43	T-10 (3')	Total/NA	Solid	Total BTEX	
880-25237-44	T-11 (0-1')	Total/NA	Solid	Total BTEX	
880-25237-45	T-11 (1.5')	Total/NA	Solid	Total BTEX	
880-25237-46	T-11 (2')	Total/NA	Solid	Total BTEX	
880-25237-47	T-11 (3')	Total/NA	Solid	Total BTEX	

Analysis Batch: 48396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25237-21	T-6 (0-1')	Total/NA	Solid	8021B	48134
880-25237-22	T-6 (1.5')	Total/NA	Solid	8021B	48134
880-25237-23	T-6 (2')	Total/NA	Solid	8021B	48134
880-25237-24	T-6 (3')	Total/NA	Solid	8021B	48134
880-25237-25	T-6 (4')	Total/NA	Solid	8021B	48134
880-25237-26	T-7 (0-1')	Total/NA	Solid	8021B	48134
880-25237-27	T-7 (1.5')	Total/NA	Solid	8021B	48134
880-25237-28	T-7 (2')	Total/NA	Solid	8021B	48134
880-25237-29	T-7 (3')	Total/NA	Solid	8021B	48134
880-25237-30	T-8 (0-1')	Total/NA	Solid	8021B	48134
880-25237-31	T-8 (1.5')	Total/NA	Solid	8021B	48134
880-25237-32	T-8 (2')	Total/NA	Solid	8021B	48134
880-25237-33	T-8 (3')	Total/NA	Solid	8021B	48134
880-25237-34	T-8 (4')	Total/NA	Solid	8021B	48134
880-25237-35	T-9 (0-1')	Total/NA	Solid	8021B	48134
880-25237-36	T-9 (1.5')	Total/NA	Solid	8021B	48134
880-25237-37	T-9 (2')	Total/NA	Solid	8021B	48134
880-25237-38	T-9 (3')	Total/NA	Solid	8021B	48134
880-25237-39	T-9 (4')	Total/NA	Solid	8021B	48134
880-25237-40	T-10 (0-1')	Total/NA	Solid	8021B	48134
MB 880-48134/5-A	Method Blank	Total/NA	Solid	8021B	48134
MB 880-48297/5-A	Method Blank	Total/NA	Solid	8021B	48297
LCS 880-48134/1-A	Lab Control Sample	Total/NA	Solid	8021B	48134
LCSD 880-48134/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48134
880-25237-22 MS	T-6 (1.5')	Total/NA	Solid	8021B	48134
880-25237-22 MSD	T-6 (1.5')	Total/NA	Solid	8021B	48134

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QC Association Summary

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

GC Semi VOA

Analysis Batch: 47599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25237-47	T-11 (3')	Total/NA	Solid	8015B NM	47636
MB 880-47636/1-A	Method Blank	Total/NA	Solid	8015B NM	47636
LCS 880-47636/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	47636
LCSD 880-47636/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	47636
880-25244-A-3-B MS	Matrix Spike	Total/NA	Solid	8015B NM	47636
880-25244-A-3-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	47636

Analysis Batch: 47601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25237-1	T-1 (0-1')	Total/NA	Solid	8015B NM	47638
880-25237-2	T-1 (1.5')	Total/NA	Solid	8015B NM	47638
880-25237-3	T-1 (2')	Total/NA	Solid	8015B NM	47638
880-25237-4	T-1 (2.5')	Total/NA	Solid	8015B NM	47638
880-25237-5	T-2 (0-1')	Total/NA	Solid	8015B NM	47638
880-25237-6	T-2 (1.5')	Total/NA	Solid	8015B NM	47638
880-25237-7	T-2 (2')	Total/NA	Solid	8015B NM	47638
880-25237-8	T-2 (3')	Total/NA	Solid	8015B NM	47638
880-25237-9	T-3 (0-1')	Total/NA	Solid	8015B NM	47638
880-25237-10	T-3 (1.5')	Total/NA	Solid	8015B NM	47638
880-25237-11	T-3 (2')	Total/NA	Solid	8015B NM	47638
880-25237-12	T-3 (3')	Total/NA	Solid	8015B NM	47638
880-25237-13	T-4 (0-1')	Total/NA	Solid	8015B NM	47638
880-25237-14	T-4 (1.5')	Total/NA	Solid	8015B NM	47638
880-25237-15	T-4 (2')	Total/NA	Solid	8015B NM	47638
880-25237-16	T-4 (3')	Total/NA	Solid	8015B NM	47638
880-25237-17	T-5 (0-1')	Total/NA	Solid	8015B NM	47638
880-25237-18	T-5 (1.5')	Total/NA	Solid	8015B NM	47638
880-25237-19	T-5 (2')	Total/NA	Solid	8015B NM	47638
880-25237-20	T-5 (3')	Total/NA	Solid	8015B NM	47638
MB 880-47638/1-A	Method Blank	Total/NA	Solid	8015B NM	47638
LCS 880-47638/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	47638
LCSD 880-47638/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	47638
880-25237-1 MS	T-1 (0-1')	Total/NA	Solid	8015B NM	47638
880-25237-1 MSD	T-1 (0-1')	Total/NA	Solid	8015B NM	47638

Prep Batch: 47636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25237-47	T-11 (3')	Total/NA	Solid	8015NM Prep	
MB 880-47636/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-47636/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-47636/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-25244-A-3-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-25244-A-3-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 47638

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25237-1	T-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-25237-2	T-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-25237-3	T-1 (2')	Total/NA	Solid	8015NM Prep	
880-25237-4	T-1 (2.5')	Total/NA	Solid	8015NM Prep	
880-25237-5	T-2 (0-1')	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 47638 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25237-6	T-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-25237-7	T-2 (2')	Total/NA	Solid	8015NM Prep	
880-25237-8	T-2 (3')	Total/NA	Solid	8015NM Prep	
880-25237-9	T-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-25237-10	T-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-25237-11	T-3 (2')	Total/NA	Solid	8015NM Prep	
880-25237-12	T-3 (3')	Total/NA	Solid	8015NM Prep	
880-25237-13	T-4 (0-1')	Total/NA	Solid	8015NM Prep	
880-25237-14	T-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-25237-15	T-4 (2')	Total/NA	Solid	8015NM Prep	
880-25237-16	T-4 (3')	Total/NA	Solid	8015NM Prep	
880-25237-17	T-5 (0-1')	Total/NA	Solid	8015NM Prep	
880-25237-18	T-5 (1.5')	Total/NA	Solid	8015NM Prep	
880-25237-19	T-5 (2')	Total/NA	Solid	8015NM Prep	
880-25237-20	T-5 (3')	Total/NA	Solid	8015NM Prep	
MB 880-47638/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-47638/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-47638/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-25237-1 MS	T-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-25237-1 MSD	T-1 (0-1')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 47685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25237-41	T-10 (1.5')	Total/NA	Solid	8015B NM	47692
880-25237-42	T-10 (2')	Total/NA	Solid	8015B NM	47692
880-25237-43	T-10 (3')	Total/NA	Solid	8015B NM	47692
880-25237-44	T-11 (0-1')	Total/NA	Solid	8015B NM	47692
880-25237-45	T-11 (1.5')	Total/NA	Solid	8015B NM	47692
880-25237-46	T-11 (2')	Total/NA	Solid	8015B NM	47692
MB 880-47692/1-A	Method Blank	Total/NA	Solid	8015B NM	47692
LCS 880-47692/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	47692
LCSD 880-47692/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	47692
880-25349-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	47692
880-25349-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	47692

Analysis Batch: 47687

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25237-21	T-6 (0-1')	Total/NA	Solid	8015B NM	47691
880-25237-22	T-6 (1.5')	Total/NA	Solid	8015B NM	47691
880-25237-23	T-6 (2')	Total/NA	Solid	8015B NM	47691
880-25237-24	T-6 (3')	Total/NA	Solid	8015B NM	47691
880-25237-25	T-6 (4')	Total/NA	Solid	8015B NM	47691
880-25237-26	T-7 (0-1')	Total/NA	Solid	8015B NM	47691
880-25237-27	T-7 (1.5')	Total/NA	Solid	8015B NM	47691
880-25237-28	T-7 (2')	Total/NA	Solid	8015B NM	47691
880-25237-29	T-7 (3')	Total/NA	Solid	8015B NM	47691
880-25237-30	T-8 (0-1')	Total/NA	Solid	8015B NM	47691
880-25237-31	T-8 (1.5')	Total/NA	Solid	8015B NM	47691
880-25237-32	T-8 (2')	Total/NA	Solid	8015B NM	47691
880-25237-33	T-8 (3')	Total/NA	Solid	8015B NM	47691
880-25237-34	T-8 (4')	Total/NA	Solid	8015B NM	47691

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QC Association Summary

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 47687 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25237-35	T-9 (0-1')	Total/NA	Solid	8015B NM	47691
880-25237-36	T-9 (1.5')	Total/NA	Solid	8015B NM	47691
880-25237-37	T-9 (2')	Total/NA	Solid	8015B NM	47691
880-25237-38	T-9 (3')	Total/NA	Solid	8015B NM	47691
880-25237-39	T-9 (4')	Total/NA	Solid	8015B NM	47691
880-25237-40	T-10 (0-1')	Total/NA	Solid	8015B NM	47691
MB 880-47691/1-A	Method Blank	Total/NA	Solid	8015B NM	47691
LCS 880-47691/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	47691
LCSD 880-47691/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	47691
880-25237-21 MS	T-6 (0-1')	Total/NA	Solid	8015B NM	47691
880-25237-21 MSD	T-6 (0-1')	Total/NA	Solid	8015B NM	47691

Prep Batch: 47691

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25237-21	T-6 (0-1')	Total/NA	Solid	8015NM Prep	
880-25237-22	T-6 (1.5')	Total/NA	Solid	8015NM Prep	
880-25237-23	T-6 (2')	Total/NA	Solid	8015NM Prep	
880-25237-24	T-6 (3')	Total/NA	Solid	8015NM Prep	
880-25237-25	T-6 (4')	Total/NA	Solid	8015NM Prep	
880-25237-26	T-7 (0-1')	Total/NA	Solid	8015NM Prep	
880-25237-27	T-7 (1.5')	Total/NA	Solid	8015NM Prep	
880-25237-28	T-7 (2')	Total/NA	Solid	8015NM Prep	
880-25237-29	T-7 (3')	Total/NA	Solid	8015NM Prep	
880-25237-30	T-8 (0-1')	Total/NA	Solid	8015NM Prep	
880-25237-31	T-8 (1.5')	Total/NA	Solid	8015NM Prep	
880-25237-32	T-8 (2')	Total/NA	Solid	8015NM Prep	
880-25237-33	T-8 (3')	Total/NA	Solid	8015NM Prep	
880-25237-34	T-8 (4')	Total/NA	Solid	8015NM Prep	
880-25237-35	T-9 (0-1')	Total/NA	Solid	8015NM Prep	
880-25237-36	T-9 (1.5')	Total/NA	Solid	8015NM Prep	
880-25237-37	T-9 (2')	Total/NA	Solid	8015NM Prep	
880-25237-38	T-9 (3')	Total/NA	Solid	8015NM Prep	
880-25237-39	T-9 (4')	Total/NA	Solid	8015NM Prep	
880-25237-40	T-10 (0-1')	Total/NA	Solid	8015NM Prep	
MB 880-47691/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-47691/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-47691/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-25237-21 MS	T-6 (0-1')	Total/NA	Solid	8015NM Prep	
880-25237-21 MSD	T-6 (0-1')	Total/NA	Solid	8015NM Prep	

Prep Batch: 47692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25237-41	T-10 (1.5')	Total/NA	Solid	8015NM Prep	
880-25237-42	T-10 (2')	Total/NA	Solid	8015NM Prep	
880-25237-43	T-10 (3')	Total/NA	Solid	8015NM Prep	
880-25237-44	T-11 (0-1')	Total/NA	Solid	8015NM Prep	
880-25237-45	T-11 (1.5')	Total/NA	Solid	8015NM Prep	
880-25237-46	T-11 (2')	Total/NA	Solid	8015NM Prep	
MB 880-47692/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-47692/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-47692/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 47692 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25349-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-25349-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 47729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25237-1	T-1 (0-1')	Total/NA	Solid	8015 NM	
880-25237-2	T-1 (1.5')	Total/NA	Solid	8015 NM	
880-25237-3	T-1 (2')	Total/NA	Solid	8015 NM	
880-25237-4	T-1 (2.5')	Total/NA	Solid	8015 NM	
880-25237-5	T-2 (0-1')	Total/NA	Solid	8015 NM	
880-25237-6	T-2 (1.5')	Total/NA	Solid	8015 NM	
880-25237-7	T-2 (2')	Total/NA	Solid	8015 NM	
880-25237-8	T-2 (3')	Total/NA	Solid	8015 NM	
880-25237-9	T-3 (0-1')	Total/NA	Solid	8015 NM	
880-25237-10	T-3 (1.5')	Total/NA	Solid	8015 NM	
880-25237-11	T-3 (2')	Total/NA	Solid	8015 NM	
880-25237-12	T-3 (3')	Total/NA	Solid	8015 NM	
880-25237-13	T-4 (0-1')	Total/NA	Solid	8015 NM	
880-25237-14	T-4 (1.5')	Total/NA	Solid	8015 NM	
880-25237-15	T-4 (2')	Total/NA	Solid	8015 NM	
880-25237-16	T-4 (3')	Total/NA	Solid	8015 NM	
880-25237-17	T-5 (0-1')	Total/NA	Solid	8015 NM	
880-25237-18	T-5 (1.5')	Total/NA	Solid	8015 NM	
880-25237-19	T-5 (2')	Total/NA	Solid	8015 NM	
880-25237-20	T-5 (3')	Total/NA	Solid	8015 NM	
880-25237-21	T-6 (0-1')	Total/NA	Solid	8015 NM	
880-25237-22	T-6 (1.5')	Total/NA	Solid	8015 NM	
880-25237-23	T-6 (2')	Total/NA	Solid	8015 NM	
880-25237-24	T-6 (3')	Total/NA	Solid	8015 NM	
880-25237-25	T-6 (4')	Total/NA	Solid	8015 NM	
880-25237-26	T-7 (0-1')	Total/NA	Solid	8015 NM	
880-25237-27	T-7 (1.5')	Total/NA	Solid	8015 NM	
880-25237-28	T-7 (2')	Total/NA	Solid	8015 NM	
880-25237-29	T-7 (3')	Total/NA	Solid	8015 NM	
880-25237-30	T-8 (0-1')	Total/NA	Solid	8015 NM	
880-25237-31	T-8 (1.5')	Total/NA	Solid	8015 NM	
880-25237-32	T-8 (2')	Total/NA	Solid	8015 NM	
880-25237-33	T-8 (3')	Total/NA	Solid	8015 NM	
880-25237-34	T-8 (4')	Total/NA	Solid	8015 NM	
880-25237-35	T-9 (0-1')	Total/NA	Solid	8015 NM	
880-25237-36	T-9 (1.5')	Total/NA	Solid	8015 NM	
880-25237-37	T-9 (2')	Total/NA	Solid	8015 NM	
880-25237-38	T-9 (3')	Total/NA	Solid	8015 NM	
880-25237-39	T-9 (4')	Total/NA	Solid	8015 NM	
880-25237-40	T-10 (0-1')	Total/NA	Solid	8015 NM	
880-25237-41	T-10 (1.5')	Total/NA	Solid	8015 NM	
880-25237-42	T-10 (2')	Total/NA	Solid	8015 NM	
880-25237-43	T-10 (3')	Total/NA	Solid	8015 NM	
880-25237-44	T-11 (0-1')	Total/NA	Solid	8015 NM	
880-25237-45	T-11 (1.5')	Total/NA	Solid	8015 NM	
880-25237-46	T-11 (2')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 47729 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25237-47	T-11 (3')	Total/NA	Solid	8015 NM	

Prep Batch: 47769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-47769/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-47769/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-47769/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-25237-47 MS	T-11 (3')	Total/NA	Solid	8015NM Prep	
880-25237-47 MSD	T-11 (3')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 47799

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-47769/1-A	Method Blank	Total/NA	Solid	8015B NM	47769
LCS 880-47769/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	47769
LCSD 880-47769/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	47769
880-25237-47 MS	T-11 (3')	Total/NA	Solid	8015B NM	47769
880-25237-47 MSD	T-11 (3')	Total/NA	Solid	8015B NM	47769

HPLC/IC

Leach Batch: 47775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25237-1	T-1 (0-1')	Soluble	Solid	DI Leach	
880-25237-2	T-1 (1.5')	Soluble	Solid	DI Leach	
880-25237-3	T-1 (2')	Soluble	Solid	DI Leach	
880-25237-4	T-1 (2.5')	Soluble	Solid	DI Leach	
880-25237-5	T-2 (0-1')	Soluble	Solid	DI Leach	
880-25237-6	T-2 (1.5')	Soluble	Solid	DI Leach	
880-25237-7	T-2 (2')	Soluble	Solid	DI Leach	
880-25237-8	T-2 (3')	Soluble	Solid	DI Leach	
880-25237-9	T-3 (0-1')	Soluble	Solid	DI Leach	
880-25237-10	T-3 (1.5')	Soluble	Solid	DI Leach	
880-25237-11	T-3 (2')	Soluble	Solid	DI Leach	
880-25237-12	T-3 (3')	Soluble	Solid	DI Leach	
880-25237-13	T-4 (0-1')	Soluble	Solid	DI Leach	
880-25237-14	T-4 (1.5')	Soluble	Solid	DI Leach	
880-25237-15	T-4 (2')	Soluble	Solid	DI Leach	
880-25237-16	T-4 (3')	Soluble	Solid	DI Leach	
880-25237-17	T-5 (0-1')	Soluble	Solid	DI Leach	
880-25237-18	T-5 (1.5')	Soluble	Solid	DI Leach	
880-25237-19	T-5 (2')	Soluble	Solid	DI Leach	
880-25237-20	T-5 (3')	Soluble	Solid	DI Leach	
MB 880-47775/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-47775/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-47775/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-25237-1 MS	T-1 (0-1')	Soluble	Solid	DI Leach	
880-25237-1 MSD	T-1 (0-1')	Soluble	Solid	DI Leach	
880-25237-11 MS	T-3 (2')	Soluble	Solid	DI Leach	
880-25237-11 MSD	T-3 (2')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

HPLC/IC

Leach Batch: 47776

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25237-21	T-6 (0-1')	Soluble	Solid	DI Leach	
880-25237-22	T-6 (1.5')	Soluble	Solid	DI Leach	
880-25237-23	T-6 (2')	Soluble	Solid	DI Leach	
880-25237-24	T-6 (3')	Soluble	Solid	DI Leach	
880-25237-25	T-6 (4')	Soluble	Solid	DI Leach	
880-25237-26	T-7 (0-1')	Soluble	Solid	DI Leach	
880-25237-27	T-7 (1.5')	Soluble	Solid	DI Leach	
880-25237-28	T-7 (2')	Soluble	Solid	DI Leach	
880-25237-29	T-7 (3')	Soluble	Solid	DI Leach	
880-25237-30	T-8 (0-1')	Soluble	Solid	DI Leach	
880-25237-31	T-8 (1.5')	Soluble	Solid	DI Leach	
880-25237-32	T-8 (2')	Soluble	Solid	DI Leach	
880-25237-33	T-8 (3')	Soluble	Solid	DI Leach	
880-25237-34	T-8 (4')	Soluble	Solid	DI Leach	
880-25237-35	T-9 (0-1')	Soluble	Solid	DI Leach	
880-25237-36	T-9 (1.5')	Soluble	Solid	DI Leach	
880-25237-37	T-9 (2')	Soluble	Solid	DI Leach	
880-25237-38	T-9 (3')	Soluble	Solid	DI Leach	
880-25237-39	T-9 (4')	Soluble	Solid	DI Leach	
880-25237-40	T-10 (0-1')	Soluble	Solid	DI Leach	
MB 880-47776/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-47776/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-47776/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-25237-21 MS	T-6 (0-1')	Soluble	Solid	DI Leach	
880-25237-21 MSD	T-6 (0-1')	Soluble	Solid	DI Leach	
880-25237-31 MS	T-8 (1.5')	Soluble	Solid	DI Leach	
880-25237-31 MSD	T-8 (1.5')	Soluble	Solid	DI Leach	

Leach Batch: 47778

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25237-41	T-10 (1.5')	Soluble	Solid	DI Leach	
880-25237-42	T-10 (2')	Soluble	Solid	DI Leach	
880-25237-43	T-10 (3')	Soluble	Solid	DI Leach	
880-25237-44	T-11 (0-1')	Soluble	Solid	DI Leach	
880-25237-45	T-11 (1.5')	Soluble	Solid	DI Leach	
880-25237-46	T-11 (2')	Soluble	Solid	DI Leach	
880-25237-47	T-11 (3')	Soluble	Solid	DI Leach	
MB 880-47778/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-47778/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-47778/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-25237-41 MS	T-10 (1.5')	Soluble	Solid	DI Leach	
880-25237-41 MSD	T-10 (1.5')	Soluble	Solid	DI Leach	

Analysis Batch: 47848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25237-41	T-10 (1.5')	Soluble	Solid	300.0	47778
880-25237-42	T-10 (2')	Soluble	Solid	300.0	47778
880-25237-43	T-10 (3')	Soluble	Solid	300.0	47778
880-25237-44	T-11 (0-1')	Soluble	Solid	300.0	47778
880-25237-45	T-11 (1.5')	Soluble	Solid	300.0	47778
880-25237-46	T-11 (2')	Soluble	Solid	300.0	47778

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 47848 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25237-47	T-11 (3')	Soluble	Solid	300.0	47778
MB 880-47778/1-A	Method Blank	Soluble	Solid	300.0	47778
LCS 880-47778/2-A	Lab Control Sample	Soluble	Solid	300.0	47778
LCSD 880-47778/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	47778
880-25237-41 MS	T-10 (1.5')	Soluble	Solid	300.0	47778
880-25237-41 MSD	T-10 (1.5')	Soluble	Solid	300.0	47778

Analysis Batch: 47849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25237-1	T-1 (0-1')	Soluble	Solid	300.0	47775
880-25237-2	T-1 (1.5')	Soluble	Solid	300.0	47775
880-25237-3	T-1 (2')	Soluble	Solid	300.0	47775
880-25237-4	T-1 (2.5')	Soluble	Solid	300.0	47775
880-25237-5	T-2 (0-1')	Soluble	Solid	300.0	47775
880-25237-6	T-2 (1.5')	Soluble	Solid	300.0	47775
880-25237-7	T-2 (2')	Soluble	Solid	300.0	47775
880-25237-8	T-2 (3')	Soluble	Solid	300.0	47775
880-25237-9	T-3 (0-1')	Soluble	Solid	300.0	47775
880-25237-10	T-3 (1.5')	Soluble	Solid	300.0	47775
880-25237-11	T-3 (2')	Soluble	Solid	300.0	47775
880-25237-12	T-3 (3')	Soluble	Solid	300.0	47775
880-25237-13	T-4 (0-1')	Soluble	Solid	300.0	47775
880-25237-14	T-4 (1.5')	Soluble	Solid	300.0	47775
880-25237-15	T-4 (2')	Soluble	Solid	300.0	47775
880-25237-16	T-4 (3')	Soluble	Solid	300.0	47775
880-25237-17	T-5 (0-1')	Soluble	Solid	300.0	47775
880-25237-18	T-5 (1.5')	Soluble	Solid	300.0	47775
880-25237-19	T-5 (2')	Soluble	Solid	300.0	47775
880-25237-20	T-5 (3')	Soluble	Solid	300.0	47775
MB 880-47775/1-A	Method Blank	Soluble	Solid	300.0	47775
LCS 880-47775/2-A	Lab Control Sample	Soluble	Solid	300.0	47775
LCSD 880-47775/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	47775
880-25237-1 MS	T-1 (0-1')	Soluble	Solid	300.0	47775
880-25237-1 MSD	T-1 (0-1')	Soluble	Solid	300.0	47775
880-25237-11 MS	T-3 (2')	Soluble	Solid	300.0	47775
880-25237-11 MSD	T-3 (2')	Soluble	Solid	300.0	47775

Analysis Batch: 47850

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25237-21	T-6 (0-1')	Soluble	Solid	300.0	47776
880-25237-22	T-6 (1.5')	Soluble	Solid	300.0	47776
880-25237-23	T-6 (2')	Soluble	Solid	300.0	47776
880-25237-24	T-6 (3')	Soluble	Solid	300.0	47776
880-25237-25	T-6 (4')	Soluble	Solid	300.0	47776
880-25237-26	T-7 (0-1')	Soluble	Solid	300.0	47776
880-25237-27	T-7 (1.5')	Soluble	Solid	300.0	47776
880-25237-28	T-7 (2')	Soluble	Solid	300.0	47776
880-25237-29	T-7 (3')	Soluble	Solid	300.0	47776
880-25237-30	T-8 (0-1')	Soluble	Solid	300.0	47776
880-25237-31	T-8 (1.5')	Soluble	Solid	300.0	47776
880-25237-32	T-8 (2')	Soluble	Solid	300.0	47776

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 47850 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25237-33	T-8 (3')	Soluble	Solid	300.0	47776
880-25237-34	T-8 (4')	Soluble	Solid	300.0	47776
880-25237-35	T-9 (0-1')	Soluble	Solid	300.0	47776
880-25237-36	T-9 (1.5')	Soluble	Solid	300.0	47776
880-25237-37	T-9 (2')	Soluble	Solid	300.0	47776
880-25237-38	T-9 (3')	Soluble	Solid	300.0	47776
880-25237-39	T-9 (4')	Soluble	Solid	300.0	47776
880-25237-40	T-10 (0-1')	Soluble	Solid	300.0	47776
MB 880-47776/1-A	Method Blank	Soluble	Solid	300.0	47776
LCS 880-47776/2-A	Lab Control Sample	Soluble	Solid	300.0	47776
LCSD 880-47776/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	47776
880-25237-21 MS	T-6 (0-1')	Soluble	Solid	300.0	47776
880-25237-21 MSD	T-6 (0-1')	Soluble	Solid	300.0	47776
880-25237-31 MS	T-8 (1.5')	Soluble	Solid	300.0	47776
880-25237-31 MSD	T-8 (1.5')	Soluble	Solid	300.0	47776

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Lab Chronicle

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-25237-1

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	48132	03/08/23 14:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48223	03/10/23 05:07	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48367	03/10/23 17:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47729	03/03/23 12:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47638	03/02/23 12:32	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47601	03/02/23 21:08	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	47775	03/03/23 15:59	CH	EET MID
Soluble	Analysis	300.0		5			47849	03/06/23 08:13	CH	EET MID

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-25237-2

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	48132	03/08/23 14:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48223	03/10/23 05:27	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48367	03/10/23 17:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47729	03/03/23 12:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47638	03/02/23 12:32	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47601	03/02/23 22:16	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47775	03/03/23 15:59	CH	EET MID
Soluble	Analysis	300.0		1			47849	03/06/23 08:27	CH	EET MID

Client Sample ID: T-1 (2')

Lab Sample ID: 880-25237-3

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	48132	03/08/23 14:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48223	03/10/23 05:48	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48367	03/10/23 17:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47729	03/03/23 12:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47638	03/02/23 12:32	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47601	03/02/23 22:38	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	47775	03/03/23 15:59	CH	EET MID
Soluble	Analysis	300.0		1			47849	03/06/23 08:32	CH	EET MID

Client Sample ID: T-1 (2.5')

Lab Sample ID: 880-25237-4

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	48132	03/08/23 14:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48223	03/10/23 06:08	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48367	03/10/23 17:38	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

Client Sample ID: T-1 (2.5')

Lab Sample ID: 880-25237-4

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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			47729	03/03/23 12:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47638	03/02/23 12:32	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47601	03/02/23 23:00	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	47775	03/03/23 15:59	CH	EET MID
Soluble	Analysis	300.0		1			47849	03/06/23 08:37	CH	EET MID

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

Lab Sample ID: 880-25237-5

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	48132	03/08/23 14:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48223	03/10/23 06:29	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48367	03/10/23 17:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47729	03/03/23 12:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47638	03/02/23 12:32	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47601	03/02/23 23:22	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47775	03/03/23 15:59	CH	EET MID
Soluble	Analysis	300.0		5			47849	03/06/23 08:42	CH	EET MID

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-25237-6

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	48132	03/08/23 14:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48223	03/10/23 06:49	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48367	03/10/23 17:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47729	03/03/23 12:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47638	03/02/23 12:32	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47601	03/02/23 23:44	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47775	03/03/23 15:59	CH	EET MID
Soluble	Analysis	300.0		1			47849	03/06/23 08:56	CH	EET MID

Client Sample ID: T-2 (2')

Lab Sample ID: 880-25237-7

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	48132	03/08/23 14:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48223	03/10/23 07:10	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48367	03/10/23 17:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47729	03/03/23 12:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47638	03/02/23 12:32	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47601	03/03/23 00:06	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

Client Sample ID: T-2 (2')

Lab Sample ID: 880-25237-7

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	47775	03/03/23 15:59	CH	EET MID
Soluble	Analysis	300.0		1			47849	03/06/23 09:01	CH	EET MID

Client Sample ID: T-2 (3')

Lab Sample ID: 880-25237-8

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	48132	03/08/23 14:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48223	03/10/23 07:30	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48367	03/10/23 17:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47729	03/03/23 12:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47638	03/02/23 12:32	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47601	03/03/23 00:28	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	47775	03/03/23 15:59	CH	EET MID
Soluble	Analysis	300.0		1			47849	03/06/23 09:06	CH	EET MID

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

Lab Sample ID: 880-25237-9

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	48132	03/08/23 14:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48223	03/10/23 07:51	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48367	03/10/23 17:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47729	03/03/23 12:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47638	03/02/23 12:32	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47601	03/03/23 00:50	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47775	03/03/23 15:59	CH	EET MID
Soluble	Analysis	300.0		5			47849	03/06/23 09:11	CH	EET MID

Client Sample ID: T-3 (1.5')

Lab Sample ID: 880-25237-10

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	48132	03/08/23 14:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48223	03/10/23 08:48	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48367	03/10/23 17:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47729	03/03/23 12:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47638	03/02/23 12:32	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47601	03/03/23 01:12	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	47775	03/03/23 15:59	CH	EET MID
Soluble	Analysis	300.0		1			47849	03/06/23 09:16	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

Client Sample ID: T-3 (2')

Lab Sample ID: 880-25237-11

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	48132	03/08/23 14:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48223	03/10/23 10:39	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48367	03/10/23 17:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47729	03/03/23 12:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47638	03/02/23 12:32	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47601	03/03/23 01:56	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	47775	03/03/23 15:59	CH	EET MID
Soluble	Analysis	300.0		1			47849	03/06/23 09:21	CH	EET MID

Client Sample ID: T-3 (3')

Lab Sample ID: 880-25237-12

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	48132	03/08/23 14:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48223	03/10/23 10:59	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48367	03/10/23 17:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47729	03/03/23 12:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47638	03/02/23 12:32	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47601	03/03/23 02:19	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47775	03/03/23 15:59	CH	EET MID
Soluble	Analysis	300.0		1			47849	03/06/23 09:35	CH	EET MID

Client Sample ID: T-4 (0-1')

Lab Sample ID: 880-25237-13

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	48132	03/08/23 14:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48223	03/10/23 11:20	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48367	03/10/23 17:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47729	03/03/23 12:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47638	03/02/23 12:32	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47601	03/03/23 02:41	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	47775	03/03/23 15:59	CH	EET MID
Soluble	Analysis	300.0		5			47849	03/06/23 09:40	CH	EET MID

Client Sample ID: T-4 (1.5')

Lab Sample ID: 880-25237-14

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	48132	03/08/23 14:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48223	03/10/23 11:40	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48367	03/10/23 17:38	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

Client Sample ID: T-4 (1.5')

Lab Sample ID: 880-25237-14

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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			47729	03/03/23 12:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47638	03/02/23 12:32	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47601	03/03/23 03:03	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	47775	03/03/23 15:59	CH	EET MID
Soluble	Analysis	300.0		1			47849	03/06/23 09:55	CH	EET MID

Client Sample ID: T-4 (2')

Lab Sample ID: 880-25237-15

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	48132	03/08/23 14:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48223	03/10/23 12:00	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48367	03/10/23 17:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47729	03/03/23 12:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47638	03/02/23 12:32	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47601	03/03/23 03:26	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	47775	03/03/23 15:59	CH	EET MID
Soluble	Analysis	300.0		1			47849	03/06/23 09:59	CH	EET MID

Client Sample ID: T-4 (3')

Lab Sample ID: 880-25237-16

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	48132	03/08/23 14:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48223	03/10/23 12:21	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48367	03/10/23 17:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47729	03/03/23 12:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47638	03/02/23 12:32	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47601	03/03/23 03:48	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	47775	03/03/23 15:59	CH	EET MID
Soluble	Analysis	300.0		1			47849	03/06/23 10:04	CH	EET MID

Client Sample ID: T-5 (0-1')

Lab Sample ID: 880-25237-17

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	48132	03/08/23 14:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48223	03/10/23 12:41	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48367	03/10/23 17:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47729	03/03/23 12:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47638	03/02/23 12:32	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47601	03/03/23 04:10	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

Client Sample ID: T-5 (0-1')

Lab Sample ID: 880-25237-17

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	47775	03/03/23 15:59	CH	EET MID
Soluble	Analysis	300.0		1			47849	03/06/23 10:09	CH	EET MID

Client Sample ID: T-5 (1.5')

Lab Sample ID: 880-25237-18

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	48132	03/08/23 14:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48223	03/10/23 13:02	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48367	03/10/23 17:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47729	03/03/23 12:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47638	03/02/23 12:32	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47601	03/03/23 04:32	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	47775	03/03/23 15:59	CH	EET MID
Soluble	Analysis	300.0		1			47849	03/06/23 10:14	CH	EET MID

Client Sample ID: T-5 (2')

Lab Sample ID: 880-25237-19

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	48132	03/08/23 14:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48223	03/10/23 13:22	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48367	03/10/23 17:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47729	03/03/23 12:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47638	03/02/23 12:32	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47601	03/03/23 04:55	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	47775	03/03/23 15:59	CH	EET MID
Soluble	Analysis	300.0		1			47849	03/06/23 10:19	CH	EET MID

Client Sample ID: T-5 (3')

Lab Sample ID: 880-25237-20

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	48132	03/08/23 14:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48223	03/10/23 13:43	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48367	03/10/23 17:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47729	03/03/23 12:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47638	03/02/23 12:32	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47601	03/03/23 05:16	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	47775	03/03/23 15:59	CH	EET MID
Soluble	Analysis	300.0		1			47849	03/06/23 10:24	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

Client Sample ID: T-6 (0-1')

Lab Sample ID: 880-25237-21

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	48134	03/08/23 14:34	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	48396	03/12/23 07:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48367	03/13/23 18:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47729	03/06/23 12:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47691	03/03/23 08:59	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47687	03/03/23 11:23	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	47776	03/03/23 16:01	CH	EET MID
Soluble	Analysis	300.0		10			47850	03/05/23 17:00	CH	EET MID

Client Sample ID: T-6 (1.5')

Lab Sample ID: 880-25237-22

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	48134	03/08/23 14:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48396	03/12/23 04:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48367	03/13/23 18:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47729	03/06/23 12:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47691	03/03/23 08:59	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47687	03/03/23 12:30	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	47776	03/03/23 16:01	CH	EET MID
Soluble	Analysis	300.0		5			47850	03/05/23 17:18	CH	EET MID

Client Sample ID: T-6 (2')

Lab Sample ID: 880-25237-23

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	48134	03/08/23 14:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48396	03/12/23 04:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48367	03/13/23 18:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47729	03/06/23 12:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47691	03/03/23 08:59	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47687	03/03/23 12:52	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	47776	03/03/23 16:01	CH	EET MID
Soluble	Analysis	300.0		10			47850	03/05/23 17:24	CH	EET MID

Client Sample ID: T-6 (3')

Lab Sample ID: 880-25237-24

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	48134	03/08/23 14:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48396	03/12/23 04:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48367	03/13/23 18:16	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

Client Sample ID: T-6 (3')

Lab Sample ID: 880-25237-24

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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			47729	03/06/23 12:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47691	03/03/23 08:59	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47687	03/03/23 13:14	SM	EET MID
Soluble	Leach	DI Leach			5.4 g	50 mL	47776	03/03/23 16:01	CH	EET MID
Soluble	Analysis	300.0		5			47850	03/05/23 17:31	CH	EET MID

Client Sample ID: T-6 (4')

Lab Sample ID: 880-25237-25

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	48134	03/08/23 14:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48396	03/12/23 05:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48367	03/13/23 18:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47729	03/06/23 12:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47691	03/03/23 08:59	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47687	03/03/23 13:36	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	47776	03/03/23 16:01	CH	EET MID
Soluble	Analysis	300.0		1			47850	03/05/23 17:37	CH	EET MID

Client Sample ID: T-7 (0-1')

Lab Sample ID: 880-25237-26

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	48134	03/08/23 14:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48396	03/12/23 05:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48367	03/13/23 18:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47729	03/06/23 12:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47691	03/03/23 08:59	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47687	03/03/23 13:58	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	47776	03/03/23 16:01	CH	EET MID
Soluble	Analysis	300.0		5			47850	03/05/23 17:55	CH	EET MID

Client Sample ID: T-7 (1,5')

Lab Sample ID: 880-25237-27

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	48134	03/08/23 14:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48396	03/12/23 05:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48367	03/13/23 18:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47729	03/06/23 12:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47691	03/03/23 08:59	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47687	03/03/23 14:20	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

Client Sample ID: T-7 (1,5')

Lab Sample ID: 880-25237-27

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	47776	03/03/23 16:01	CH	EET MID
Soluble	Analysis	300.0		1			47850	03/05/23 18:01	CH	EET MID

Client Sample ID: T-7 (2')

Lab Sample ID: 880-25237-28

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	48134	03/08/23 14:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48396	03/12/23 06:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48367	03/13/23 18:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47729	03/06/23 12:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47691	03/03/23 08:59	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47687	03/03/23 14:43	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	47776	03/03/23 16:01	CH	EET MID
Soluble	Analysis	300.0		1			47850	03/05/23 18:07	CH	EET MID

Client Sample ID: T-7 (3')

Lab Sample ID: 880-25237-29

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	48134	03/08/23 14:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48396	03/12/23 06:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48367	03/13/23 18:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47729	03/06/23 12:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47691	03/03/23 08:59	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47687	03/03/23 15:05	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47776	03/03/23 16:01	CH	EET MID
Soluble	Analysis	300.0		1			47850	03/05/23 18:14	CH	EET MID

Client Sample ID: T-8 (0-1')

Lab Sample ID: 880-25237-30

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	48134	03/08/23 14:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48396	03/12/23 07:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48367	03/13/23 18:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47729	03/06/23 12:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47691	03/03/23 08:59	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47687	03/03/23 15:27	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	47776	03/03/23 16:01	CH	EET MID
Soluble	Analysis	300.0		20			47850	03/05/23 18:20	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

Client Sample ID: T-8 (1.5')

Lab Sample ID: 880-25237-31

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	48134	03/08/23 14:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48396	03/12/23 08:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48367	03/13/23 18:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47729	03/06/23 12:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47691	03/03/23 08:59	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47687	03/03/23 16:11	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	47776	03/03/23 16:01	CH	EET MID
Soluble	Analysis	300.0		5			47850	03/05/23 18:26	CH	EET MID

Client Sample ID: T-8 (2')

Lab Sample ID: 880-25237-32

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	48134	03/08/23 14:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48396	03/12/23 09:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48367	03/13/23 18:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47729	03/06/23 12:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47691	03/03/23 08:59	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47687	03/03/23 16:32	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	47776	03/03/23 16:01	CH	EET MID
Soluble	Analysis	300.0		1			47850	03/05/23 18:44	CH	EET MID

Client Sample ID: T-8 (3')

Lab Sample ID: 880-25237-33

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	48134	03/08/23 14:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48396	03/12/23 09:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48367	03/13/23 18:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47729	03/06/23 12:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47691	03/03/23 08:59	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47687	03/03/23 16:54	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	47776	03/03/23 16:01	CH	EET MID
Soluble	Analysis	300.0		5			47850	03/05/23 18:51	CH	EET MID

Client Sample ID: T-8 (4')

Lab Sample ID: 880-25237-34

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	48134	03/08/23 14:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48396	03/12/23 09:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48367	03/13/23 18:16	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

Client Sample ID: T-8 (4')

Lab Sample ID: 880-25237-34

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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			47729	03/06/23 12:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47691	03/03/23 08:59	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47687	03/03/23 17:15	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47776	03/03/23 16:01	CH	EET MID
Soluble	Analysis	300.0		1			47850	03/05/23 19:09	CH	EET MID

Client Sample ID: T-9 (0-1')

Lab Sample ID: 880-25237-35

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	48134	03/08/23 14:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48396	03/12/23 10:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48367	03/13/23 18:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47729	03/06/23 12:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47691	03/03/23 08:59	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47687	03/03/23 17:37	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	47776	03/03/23 16:01	CH	EET MID
Soluble	Analysis	300.0		5			47850	03/05/23 19:15	CH	EET MID

Client Sample ID: T-9 (1.5')

Lab Sample ID: 880-25237-36

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	48134	03/08/23 14:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48396	03/12/23 10:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48367	03/13/23 18:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47729	03/06/23 12:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47691	03/03/23 08:59	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47687	03/03/23 17:59	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	47776	03/03/23 16:01	CH	EET MID
Soluble	Analysis	300.0		1			47850	03/05/23 19:21	CH	EET MID

Client Sample ID: T-9 (2')

Lab Sample ID: 880-25237-37

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	48134	03/08/23 14:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48396	03/12/23 10:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48367	03/13/23 18:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47729	03/06/23 12:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47691	03/03/23 08:59	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47687	03/03/23 18:21	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

Client Sample ID: T-9 (2')

Lab Sample ID: 880-25237-37

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	47776	03/03/23 16:01	CH	EET MID
Soluble	Analysis	300.0		1			47850	03/05/23 19:27	CH	EET MID

Client Sample ID: T-9 (3')

Lab Sample ID: 880-25237-38

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	48134	03/08/23 14:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48396	03/12/23 11:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48367	03/13/23 18:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47729	03/06/23 12:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47691	03/03/23 08:59	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47687	03/03/23 18:42	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47776	03/03/23 16:01	CH	EET MID
Soluble	Analysis	300.0		1			47850	03/05/23 19:34	CH	EET MID

Client Sample ID: T-9 (4')

Lab Sample ID: 880-25237-39

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	48134	03/08/23 14:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48396	03/12/23 11:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48367	03/13/23 18:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47729	03/06/23 12:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47691	03/03/23 08:59	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47687	03/03/23 19:04	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47776	03/03/23 16:01	CH	EET MID
Soluble	Analysis	300.0		1			47850	03/05/23 19:40	CH	EET MID

Client Sample ID: T-10 (0-1')

Lab Sample ID: 880-25237-40

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	48134	03/08/23 14:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48396	03/12/23 11:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48367	03/13/23 18:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47729	03/06/23 12:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47691	03/03/23 08:59	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47687	03/03/23 19:25	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	47776	03/03/23 16:01	CH	EET MID
Soluble	Analysis	300.0		10			47850	03/05/23 19:46	CH	EET MID

Lab Chronicle

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

Client Sample ID: T-10 (1.5')

Lab Sample ID: 880-25237-41

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	48137	03/08/23 14:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48287	03/11/23 18:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48367	03/13/23 17:28	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47729	03/06/23 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47692	03/03/23 09:08	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47685	03/03/23 13:14	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	47778	03/03/23 16:03	CH	EET MID
Soluble	Analysis	300.0		1			47848	03/05/23 22:00	CH	EET MID

Client Sample ID: T-10 (2')

Lab Sample ID: 880-25237-42

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	48137	03/08/23 14:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48287	03/11/23 18:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48367	03/13/23 17:28	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47729	03/06/23 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47692	03/03/23 09:08	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47685	03/03/23 13:36	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	47778	03/03/23 16:03	CH	EET MID
Soluble	Analysis	300.0		1			47848	03/05/23 22:15	CH	EET MID

Client Sample ID: T-10 (3')

Lab Sample ID: 880-25237-43

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	48137	03/08/23 14:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48287	03/11/23 19:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48367	03/13/23 17:28	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47729	03/06/23 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47692	03/03/23 09:08	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47685	03/03/23 13:58	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	47778	03/03/23 16:03	CH	EET MID
Soluble	Analysis	300.0		1			47848	03/05/23 22:20	CH	EET MID

Client Sample ID: T-11 (0-1')

Lab Sample ID: 880-25237-44

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	48137	03/08/23 14:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48287	03/11/23 19:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48367	03/13/23 17:28	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

Client Sample ID: T-11 (0-1')

Lab Sample ID: 880-25237-44

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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			47729	03/06/23 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47692	03/03/23 09:08	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47685	03/03/23 14:20	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	47778	03/03/23 16:03	CH	EET MID
Soluble	Analysis	300.0		10			47848	03/05/23 22:24	CH	EET MID

Client Sample ID: T-11 (1.5')

Lab Sample ID: 880-25237-45

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	48137	03/08/23 14:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48287	03/11/23 20:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48367	03/13/23 17:28	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47729	03/06/23 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47692	03/03/23 09:08	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47685	03/03/23 12:52	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	47778	03/03/23 16:03	CH	EET MID
Soluble	Analysis	300.0		1			47848	03/05/23 22:29	CH	EET MID

Client Sample ID: T-11 (2')

Lab Sample ID: 880-25237-46

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	48137	03/08/23 14:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48287	03/11/23 20:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48367	03/13/23 17:28	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47729	03/06/23 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47692	03/03/23 09:08	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47685	03/03/23 15:05	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	47778	03/03/23 16:03	CH	EET MID
Soluble	Analysis	300.0		1			47848	03/05/23 22:44	CH	EET MID

Client Sample ID: T-11 (3')

Lab Sample ID: 880-25237-47

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	48137	03/08/23 14:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48287	03/11/23 20:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48367	03/13/23 17:28	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47729	03/03/23 12:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47636	03/02/23 12:28	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47599	03/03/23 05:16	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
SDG: Lea County, New Mexico

Client Sample ID: T-11 (3')

Lab Sample ID: 880-25237-47

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	47778	03/03/23 16:03	CH	EET MID
Soluble	Analysis	300.0		1			47848	03/05/23 22:49	CH	EET MID

Laboratory References:

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

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
SDG: Lea 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	T104704400-22-25	06-30-23

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

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

Method Summary

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea 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: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25237-1
 SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-25237-1	T-1 (0-1')	Solid	02/27/23 00:00	02/28/23 09:05
880-25237-2	T-1 (1.5')	Solid	02/27/23 00:00	02/28/23 09:05
880-25237-3	T-1 (2')	Solid	02/27/23 00:00	02/28/23 09:05
880-25237-4	T-1 (2.5')	Solid	02/27/23 00:00	02/28/23 09:05
880-25237-5	T-2 (0-1')	Solid	02/27/23 00:00	02/28/23 09:05
880-25237-6	T-2 (1.5')	Solid	02/27/23 00:00	02/28/23 09:05
880-25237-7	T-2 (2')	Solid	02/27/23 00:00	02/28/23 09:05
880-25237-8	T-2 (3')	Solid	02/27/23 00:00	02/28/23 09:05
880-25237-9	T-3 (0-1')	Solid	02/27/23 00:00	02/28/23 09:05
880-25237-10	T-3 (1.5')	Solid	02/27/23 00:00	02/28/23 09:05
880-25237-11	T-3 (2')	Solid	02/27/23 00:00	02/28/23 09:05
880-25237-12	T-3 (3')	Solid	02/27/23 00:00	02/28/23 09:05
880-25237-13	T-4 (0-1')	Solid	02/27/23 00:00	02/28/23 09:05
880-25237-14	T-4 (1.5')	Solid	02/27/23 00:00	02/28/23 09:05
880-25237-15	T-4 (2')	Solid	02/27/23 00:00	02/28/23 09:05
880-25237-16	T-4 (3')	Solid	02/27/23 00:00	02/28/23 09:05
880-25237-17	T-5 (0-1')	Solid	02/27/23 00:00	02/28/23 09:05
880-25237-18	T-5 (1.5')	Solid	02/27/23 00:00	02/28/23 09:05
880-25237-19	T-5 (2')	Solid	02/27/23 00:00	02/28/23 09:05
880-25237-20	T-5 (3')	Solid	02/27/23 00:00	02/28/23 09:05
880-25237-21	T-6 (0-1')	Solid	02/27/23 00:00	02/28/23 09:05
880-25237-22	T-6 (1.5')	Solid	02/27/23 00:00	02/28/23 09:05
880-25237-23	T-6 (2')	Solid	02/27/23 00:00	02/28/23 09:05
880-25237-24	T-6 (3')	Solid	02/27/23 00:00	02/28/23 09:05
880-25237-25	T-6 (4')	Solid	02/27/23 00:00	02/28/23 09:05
880-25237-26	T-7 (0-1')	Solid	02/27/23 00:00	02/28/23 09:05
880-25237-27	T-7 (1.5')	Solid	02/27/23 00:00	02/28/23 09:05
880-25237-28	T-7 (2')	Solid	02/27/23 00:00	02/28/23 09:05
880-25237-29	T-7 (3')	Solid	02/27/23 00:00	02/28/23 09:05
880-25237-30	T-8 (0-1')	Solid	02/27/23 00:00	02/28/23 09:05
880-25237-31	T-8 (1.5')	Solid	02/27/23 00:00	02/28/23 09:05
880-25237-32	T-8 (2')	Solid	02/27/23 00:00	02/28/23 09:05
880-25237-33	T-8 (3')	Solid	02/27/23 00:00	02/28/23 09:05
880-25237-34	T-8 (4')	Solid	02/27/23 00:00	02/28/23 09:05
880-25237-35	T-9 (0-1')	Solid	02/27/23 00:00	02/28/23 09:05
880-25237-36	T-9 (1.5')	Solid	02/27/23 00:00	02/28/23 09:05
880-25237-37	T-9 (2')	Solid	02/27/23 00:00	02/28/23 09:05
880-25237-38	T-9 (3')	Solid	02/27/23 00:00	02/28/23 09:05
880-25237-39	T-9 (4')	Solid	02/27/23 00:00	02/28/23 09:05
880-25237-40	T-10 (0-1')	Solid	02/27/23 00:00	02/28/23 09:05
880-25237-41	T-10 (1.5')	Solid	02/27/23 00:00	02/28/23 09:05
880-25237-42	T-10 (2')	Solid	02/27/23 00:00	02/28/23 09:05
880-25237-43	T-10 (3')	Solid	02/27/23 00:00	02/28/23 09:05
880-25237-44	T-11 (0-1')	Solid	02/27/23 00:00	02/28/23 09:05
880-25237-45	T-11 (1.5')	Solid	02/27/23 00:00	02/28/23 09:05
880-25237-46	T-11 (2')	Solid	02/27/23 00:00	02/28/23 09:05
880-25237-47	T-11 (3')	Solid	02/27/23 00:00	02/28/23 09:05

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Work Order No: 25237

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Project Manager	Conner Moehring	Bill to (if different)	Mike Carmona
Company Name	Carmona Resources	Company Name	Carmona Resources
Address	310 W Wall St Ste 500	Address	310 W Wall St Ste 500
City, State Zip	Midland, TX 79701	City, State Zip	Midland, TX 79701
Phone	432-813-6823	Email	Mcarmona@carmonaresources.com

Program: UST/PRP	<input type="checkbox"/> PRP	<input type="checkbox"/> Brownfields	<input type="checkbox"/> RRC	<input type="checkbox"/> Refund
State of Project:				
Reporting Level II	<input type="checkbox"/> Level III	<input type="checkbox"/> ST/UST	<input type="checkbox"/> RRP	<input type="checkbox"/> Level IV
Deliverables EDD	<input type="checkbox"/> ADAPT	<input type="checkbox"/> Other		

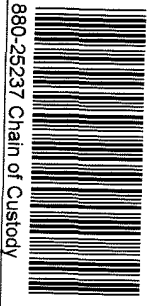
Project Name	Yeah Yeah Federal Com 504H & 505H	Turn Around	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush
Project Number	1235	Due Date		
Project Location	Lea County, New Mexico			
Sampler's Name	GPJ			
PO #				

Received Intact	Temp Blank	Yes	No	Thermometer ID	Wet Ice	Yes	No
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	Parameters
T-1 (0-1')	2/27/2023		X		G	1	X X X
T-1 (1-5')	2/27/2023		X		G	1	X X X
T-1 (2')	2/27/2023		X		G	1	X X X
T-1 (2-5')	2/27/2023		X		G	1	X X X
T-2 (0-1')	2/27/2023		X		G	1	X X X
T-2 (1-5')	2/27/2023		X		G	1	X X X
T-2 (2')	2/27/2023		X		G	1	X X X
T-2 (3')	2/27/2023		X		G	1	X X X
T-3 (0-1')	2/27/2023		X		G	1	X X X
T-3 (1-5')	2/27/2023		X		G	1	X X X

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				

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com



880-25237 Chain of Custody

Relinquished by (Signature)	Date/Time
<i>Conner Moehring</i>	2-28-23

Received by (Signature)	Date/Time
<i>GPJ</i>	2-28-23



Project Manager	Commer Moehring	Bill to (if different)	Mike Carmona
Company Name	Carmona Resources	Company Name	Carmona Resources
Address	310 W Wall St Ste 500	Address	310 W Wall St Ste 500
City, State ZIP	Midland TX 79701	City, State ZIP	Midland, TX 79701
Phone	432-813-6823	Email	Mcarmona@carmonarresources.com

Program: <input type="checkbox"/> ST/ <input type="checkbox"/> PRP <input type="checkbox"/> Crownfields <input type="checkbox"/> JRC <input type="checkbox"/> Jperfund State of Project: <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> PRP <input type="checkbox"/> Level IV Deliverables EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other	Work Order Comments
---	---------------------

Project Name	Yeah Yeah Federal Com 504H & 505H	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code	
Project Number	1235	Due Date			
Project Location	Lea County, New Mexico				
Sampler's Name	GPJ				
PO #					
SAMPLE RECEIPT	Temp Blank	Yes (No)	Wet Ice	Gas 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	Parameters	ANALYSIS REQUEST	Preservative Codes	Sample Comments
T-3 (2')	2/27/2023		X		G	1	BTEX 8021B		None NO	
T-3 (3')	2/27/2023		X		G	1	TPH 8015M (GRO + DRO + MRO)		DI Water H ₂ O	
T-4 (0-1')	2/27/2023		X		G	1			Cool Cool	MeOH Me
T-4 (1 5')	2/27/2023		X		G	1			HCL HC	HNO ₃ HN
T-4 (2)	2/27/2023		X		G	1			H ₂ SO ₄ H ₂	NaOH Na
T-4 (3)	2/27/2023		X		G	1			H ₃ PO ₄ HP	
T-5 (0-1')	2/27/2023		X		G	1			NAHSO ₄ NABIS	
T-5 (1 5')	2/27/2023		X		G	1			Na ₂ S ₂ O ₃ NASO ₃	
T-5 (2)	2/27/2023		X		G	1			Zn Acetate+NaOH Zn	
T-5 (3)	2/27/2023		X		G	1			NaOH+Ascorbic Acid SAPC	

Comments: Email to Mike Carmona / Mcarmona@carmonarresources.com and Commer Moehring / Cmoehring@carmonarresources.com

Relinquished by (Signature)		Date/Time	2-28-2023
Received by (Signature)		Date/Time	2/28/23

Work Order No: 252257

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Project Manager	Conner Moehring	Bill to (if different)	Mike Carmona
Company Name	Carmona Resources	Company Name	Carmona Resources
Address	310 W Wall St Ste 500	Address	310 W Wall St Ste 500
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland TX 79701
Phone	432-813-6823	Email	Mcarmona@carmonaresources.com

Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> Refund <input type="checkbox"/> State of Project:	Work Order Comments
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/> Deliverables EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	None NO <input type="checkbox"/> DI Water H ₂ O <input type="checkbox"/> Cool Cool <input type="checkbox"/> MeOH Me <input type="checkbox"/> HCL, HC <input type="checkbox"/> HNO ₃ HN <input type="checkbox"/> H ₂ SO ₄ H ₂ <input type="checkbox"/> NaOH Na <input type="checkbox"/> H ₃ PO ₄ HP <input type="checkbox"/> NaHSO ₄ NABIS <input type="checkbox"/> Na ₂ S ₂ O ₃ NaSO ₃ <input type="checkbox"/> Zn Acetate+NaOH Zn <input type="checkbox"/> NaOH+Ascorbic Acid SAPC <input type="checkbox"/>

Project Name	Yeah Yeah Federal Com 504H & 505H		Turn Around	Pres. Code
Project Number	1235	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush		
Project Location	Lea County, New Mexico		Due Date	
Sampler's Name	GPJ			
PO #				

SAMPLE RECEIPT Received Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cooler Custody Seals Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Sample Custody Seals Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Total Containers <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temp Blank <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Thermometer ID <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Correction Factor <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Temperature Reading <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Corrected Temperature <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Wet Ice <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Parameters BTEX 8021B <input type="checkbox"/> TPH 8015M (GRO + DRO + MRO) <input type="checkbox"/> Chloride 300.0 <input type="checkbox"/>	Parameters BTEX 8021B <input type="checkbox"/> TPH 8015M (GRO + DRO + MRO) <input type="checkbox"/> Chloride 300.0 <input type="checkbox"/>
--	---	--	---

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST	Preservative Codes	Sample Comments
T-6 (0-1')	2/27/2023		X		G	1			
T-6 (1.5')	2/27/2023		X		G	1			
T-6 (2')	2/27/2023		X		G	1			
T-6 (3')	2/27/2023		X		G	1			
T-6 (4')	2/27/2023		X		G	1			
T-7 (0-1')	2/27/2023		X		G	1			
T-7 (1.5')	2/27/2023		X		G	1			
T-7 (2')	2/27/2023		X		G	1			
T-7 (3')	2/27/2023		X		G	1			
T-8 (0-1')	2/27/2023		X		G	1			

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by (Signature)	Date/Time
<i>[Signature]</i>	2-28-2023
Received by (Signature)	Date/Time
<i>[Signature]</i>	2/28/23

Work Order No: 252057



Work Order No: 25037

3/13/2023

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Project Manager	Commer Moehring	Bill to (if different)	Mike Carmona
Company Name	Carmona Resources	Company Name	Carmona Resources
Address	310 W Wall St Ste 500	Address	310 W Wall St Ste 500
City, State ZIP	Midland TX 79701	City, State ZIP	Midland TX 79701
Phone	432-813-6823	Email	McCarmona@carmonaresources.com

Project Name	Yeah Yeah Federal Com 504H & 505H	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code	
Project Number	1235	Due Date		ANALYSIS REQUEST	
Project Location	Lea County, New Mexico				
Sampler's Name	GPJ				
PO #					
SAMPLE RECEIPT	Temp Blank	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Received Intact	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID			
Cooler Custody Seals	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor			
Sample Custody Seals	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading			
Total Containers		Corrected Temperature			

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	Preservative Codes	Sample Comments
T-8 (1 5)	2/27/2023		X		G	1	BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 300.0	None NO Cool Cool HCL HC H ₂ SO ₄ H ₂ H ₃ PO ₄ HP NAHSO ₄ NABIS Na ₂ S ₂ O ₃ NaSO ₃ Zn Acetate+NaOH Zn NaOH+Ascorbic Acid SAPC	
T-8 (2)	2/27/2023		X		G	1			
T-8 (3)	2/27/2023		X		G	1			
T-8 (4)	2/27/2023		X		G	1			
T-9 (0-1)	2/27/2023		X		G	1			
T-9 (1 5)	2/27/2023		X		G	1			
T-9 (2)	2/27/2023		X		G	1			
T-9 (3)	2/27/2023		X		G	1			
T-9 (4)	2/27/2023		X		G	1			
T-10 (0-1)	2/27/2023		X		G	1			

Comments: Email to Mike Carmona / McCarmona@carmonaresources.com and Commer Moehring / Cmoehring@carmonaresources.com

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
<i>McCarmona</i>	2-28-2023	<i>B. Quinn</i>	2/28/23

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Work Order No: 25237

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Project Manager	Conner Moehring	Bill to (if different)	Mike Carmona
Company Name	Carmona Resources	Company Name	Carmona Resources
Address	310 W Wall St Ste 500	Address	310 W Wall St Ste 500
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland TX 79701
Phone	432-813-6823	Email	Mcarmona@carmonaresources.com

Project Name	Yeah Yeah Federal Com 504H & 505H	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush
Project Number	1235	Due Date	
Project Location	Lea County, New Mexico	Sampler's Name	GPJ
PO #		Temp Blank	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
SAMPLE RECEIPT	Received Intact	Thermometer ID	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Cooler Custody Seals	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Sample Custody Seals	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading	3.5
Total Containers		Corrected Temperature	3.0

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters			ANALYSIS REQUEST	Preservative Codes
							BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0		
T-10 (1 5)	2/27/2023		X		G	1	X	X	X		
T-10 (2)	2/27/2023		X		G	1	X	X	X		
T-10 (3)	2/27/2023		X		G	1	X	X	X		
T-11 (0-1)	2/27/2023		X		G	1	X	X	X		
T-11 (1 5)	2/27/2023		X		G	1	X	X	X		
T-11 (2)	2/27/2023		X		G	1	X	X	X		
T-11 (3)	2/27/2023		X		G	1	X	X	X		

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by (Signature)	<i>[Signature]</i>	Date/Time	2-28-2023
Received by (Signature)	<i>[Signature]</i>	Date/Time	2/28/23

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-25237-1
SDG Number: Lea County, New Mexico

Login Number: 25237

List Number: 1

Creator: Teel, Brianna

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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Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Conner Moehring
 Carmona Resources
 310 W Wall St
 Ste 415
 Midland, Texas 79701

Generated 3/3/2023 12:03:10 PM

JOB DESCRIPTION

Yeah Yeah Federal Com 504H & 505H
 SDG NUMBER Lea County, New Mexico

JOB NUMBER

880-25236-1

Eurofins Midland
 1211 W. Florida Ave
 Midland TX 79701



Eurofins Midland

Job Notes

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

Authorization



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

Client: Carmona Resources
Project/Site: Yeah Yeah Federal Com 504H & 505H

Laboratory Job ID: 880-25236-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25236-1
 SDG: Lea County, New Mexico

Qualifiers

GC 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.

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low 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.
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: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25236-1
SDG: Lea County, New Mexico

Job ID: 880-25236-1

Laboratory: Eurofins Midland**Narrative****Job Narrative
880-25236-1****Receipt**

The samples were received on 2/28/2023 9:05 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 3.0°C

Receipt Exceptions

The following samples analyzed for method <TPH 8015> were received and analyzed from an unpreserved bulk soil jar

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: H-1 (0-0.5') (880-25236-1), H-7 (0-0.5') (880-25236-7), H-8 (0-0.5') (880-25236-8) and H-11 (0-0.5') (880-25236-11). 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: H-3 (0-0.5') (880-25236-3), H-4 (0-0.5') (880-25236-4), H-5 (0-0.5') (880-25236-5), H-6 (0-0.5') (880-25236-6) and H-7 (0-0.5') (880-25236-7). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: H-8 (0-0.5') (880-25236-8), H-9 (0-0.5') (880-25236-9) and H-10 (0-0.5') (880-25236-10). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-47636 and analytical batch 880-47599 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-47636 and analytical batch 880-47599 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

HPLC/IC

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



Client Sample Results

Client: Carmona Resources
Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25236-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-25236-1

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		02/28/23 14:44	02/28/23 22:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/28/23 14:44	02/28/23 22:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/28/23 14:44	02/28/23 22:00	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/28/23 14:44	02/28/23 22:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/28/23 14:44	02/28/23 22:00	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/28/23 14:44	02/28/23 22:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	56	S1-	70 - 130	02/28/23 14:44	02/28/23 22:00	1
1,4-Difluorobenzene (Surr)	72		70 - 130	02/28/23 14:44	02/28/23 22:00	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			03/01/23 08:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/03/23 12:43	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	<49.9	U *1	49.9		mg/Kg		03/02/23 12:28	03/02/23 23:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/02/23 12:28	03/02/23 23:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/02/23 12:28	03/02/23 23:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	03/02/23 12:28	03/02/23 23:00	1
o-Terphenyl	110		70 - 130	03/02/23 12:28	03/02/23 23:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	112		4.96		mg/Kg			03/02/23 21:17	1

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

Lab Sample ID: 880-25236-2

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		02/28/23 14:44	02/28/23 22:21	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/28/23 14:44	02/28/23 22:21	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/28/23 14:44	02/28/23 22:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/28/23 14:44	02/28/23 22:21	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/28/23 14:44	02/28/23 22:21	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/28/23 14:44	02/28/23 22:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	02/28/23 14:44	02/28/23 22:21	1
1,4-Difluorobenzene (Surr)	94		70 - 130	02/28/23 14:44	02/28/23 22:21	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25236-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-25236-2

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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			03/01/23 08:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/03/23 12:43	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	<49.9	U *1	49.9		mg/Kg		03/02/23 12:28	03/02/23 23:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/02/23 12:28	03/02/23 23:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/02/23 12:28	03/02/23 23:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	03/02/23 12:28	03/02/23 23:22	1
o-Terphenyl	112		70 - 130	03/02/23 12:28	03/02/23 23:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	117		4.98		mg/Kg			03/02/23 21:21	1

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

Lab Sample ID: 880-25236-3

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		02/28/23 14:44	02/28/23 22:42	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/28/23 14:44	02/28/23 22:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/28/23 14:44	02/28/23 22:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/28/23 14:44	02/28/23 22:42	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/28/23 14:44	02/28/23 22:42	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/28/23 14:44	02/28/23 22:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	02/28/23 14:44	02/28/23 22:42	1
1,4-Difluorobenzene (Surr)	110		70 - 130	02/28/23 14:44	02/28/23 22:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/01/23 08:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/03/23 12:43	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	<49.9	U *1	49.9		mg/Kg		03/02/23 12:28	03/02/23 23:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/02/23 12:28	03/02/23 23:44	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25236-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-25236-3

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/02/23 12:28	03/02/23 23:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	0.07	S1-	70 - 130				03/02/23 12:28	03/02/23 23:44	1
o-Terphenyl	1	S1-	70 - 130				03/02/23 12:28	03/02/23 23:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	222		25.0		mg/Kg			03/02/23 21:36	5

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

Lab Sample ID: 880-25236-4

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		02/28/23 14:44	03/01/23 00:28	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/28/23 14:44	03/01/23 00:28	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/28/23 14:44	03/01/23 00:28	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/28/23 14:44	03/01/23 00:28	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/28/23 14:44	03/01/23 00:28	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/28/23 14:44	03/01/23 00:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				02/28/23 14:44	03/01/23 00:28	1
1,4-Difluorobenzene (Surr)	95		70 - 130				02/28/23 14:44	03/01/23 00:28	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			03/01/23 08:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/03/23 12:43	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	<49.9	U *1	49.9		mg/Kg		03/02/23 12:28	03/03/23 00:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/02/23 12:28	03/03/23 00:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/02/23 12:28	03/03/23 00:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	0.2	S1-	70 - 130				03/02/23 12:28	03/03/23 00:06	1
o-Terphenyl	0.2	S1-	70 - 130				03/02/23 12:28	03/03/23 00:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	125		4.97		mg/Kg			03/02/23 21:41	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25236-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-25236-5

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		02/28/23 14:44	03/01/23 00:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/28/23 14:44	03/01/23 00:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/28/23 14:44	03/01/23 00:49	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/28/23 14:44	03/01/23 00:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/28/23 14:44	03/01/23 00:49	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/28/23 14:44	03/01/23 00:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	02/28/23 14:44	03/01/23 00:49	1
1,4-Difluorobenzene (Surr)	106		70 - 130	02/28/23 14:44	03/01/23 00:49	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			03/01/23 08:29	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			03/03/23 12:43	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	<50.0	U *1	50.0		mg/Kg		03/02/23 12:28	03/03/23 00:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/02/23 12:28	03/03/23 00:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/02/23 12:28	03/03/23 00:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	0.3	S1-	70 - 130	03/02/23 12:28	03/03/23 00:28	1
o-Terphenyl	0.1	S1-	70 - 130	03/02/23 12:28	03/03/23 00:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	105		5.04		mg/Kg			03/02/23 21:55	1

Client Sample ID: H-6 (0-0.5')

Lab Sample ID: 880-25236-6

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		02/28/23 14:44	03/01/23 01:10	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/28/23 14:44	03/01/23 01:10	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/28/23 14:44	03/01/23 01:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/28/23 14:44	03/01/23 01:10	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/28/23 14:44	03/01/23 01:10	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/28/23 14:44	03/01/23 01:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	02/28/23 14:44	03/01/23 01:10	1
1,4-Difluorobenzene (Surr)	70		70 - 130	02/28/23 14:44	03/01/23 01:10	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25236-1
 SDG: Lea County, New Mexico

Client Sample ID: H-6 (0-0.5')

Lab Sample ID: 880-25236-6

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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			03/01/23 08:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/03/23 12:43	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	<49.9	U *1	49.9		mg/Kg		03/02/23 12:28	03/03/23 00:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/02/23 12:28	03/03/23 00:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/02/23 12:28	03/03/23 00:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	0.3	S1-	70 - 130	03/02/23 12:28	03/03/23 00:50	1
o-Terphenyl	0.1	S1-	70 - 130	03/02/23 12:28	03/03/23 00:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	96.7		4.99		mg/Kg			03/02/23 22:00	1

Client Sample ID: H-7 (0-0.5')

Lab Sample ID: 880-25236-7

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		02/28/23 14:44	03/01/23 01:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/28/23 14:44	03/01/23 01:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/28/23 14:44	03/01/23 01:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/28/23 14:44	03/01/23 01:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/28/23 14:44	03/01/23 01:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/28/23 14:44	03/01/23 01:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130	02/28/23 14:44	03/01/23 01:30	1
1,4-Difluorobenzene (Surr)	104		70 - 130	02/28/23 14:44	03/01/23 01:30	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			03/01/23 08:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/03/23 12:43	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	<49.9	U *1	49.9		mg/Kg		03/02/23 12:28	03/03/23 01:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/02/23 12:28	03/03/23 01:12	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25236-1
 SDG: Lea County, New Mexico

Client Sample ID: H-7 (0-0.5')

Lab Sample ID: 880-25236-7

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/02/23 12:28	03/03/23 01:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	0.3	S1-	70 - 130				03/02/23 12:28	03/03/23 01:12	1
o-Terphenyl	0.1	S1-	70 - 130				03/02/23 12:28	03/03/23 01:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	110		4.95		mg/Kg			03/02/23 22:05	1

Client Sample ID: H-8 (0-0.5')

Lab Sample ID: 880-25236-8

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		02/28/23 14:44	03/01/23 01:51	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/28/23 14:44	03/01/23 01:51	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/28/23 14:44	03/01/23 01:51	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/28/23 14:44	03/01/23 01:51	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/28/23 14:44	03/01/23 01:51	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/28/23 14:44	03/01/23 01:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	66	S1-	70 - 130				02/28/23 14:44	03/01/23 01:51	1
1,4-Difluorobenzene (Surr)	62	S1-	70 - 130				02/28/23 14:44	03/01/23 01:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/01/23 08:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/03/23 12:43	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	<49.9	U *1	49.9		mg/Kg		03/02/23 12:28	03/03/23 01:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/02/23 12:28	03/03/23 01:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/02/23 12:28	03/03/23 01:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	0.01	S1-	70 - 130				03/02/23 12:28	03/03/23 01:56	1
o-Terphenyl	0.2	S1-	70 - 130				03/02/23 12:28	03/03/23 01:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	107		5.05		mg/Kg			03/02/23 22:10	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25236-1
SDG: Lea County, New Mexico

Client Sample ID: H-9 (0-0.5')

Lab Sample ID: 880-25236-9

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		02/28/23 14:44	03/01/23 02:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/28/23 14:44	03/01/23 02:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/28/23 14:44	03/01/23 02:12	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/28/23 14:44	03/01/23 02:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/28/23 14:44	03/01/23 02:12	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/28/23 14:44	03/01/23 02:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	02/28/23 14:44	03/01/23 02:12	1
1,4-Difluorobenzene (Surr)	108		70 - 130	02/28/23 14:44	03/01/23 02:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/01/23 08:29	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			03/03/23 12:43	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	<50.0	U *1	50.0		mg/Kg		03/02/23 12:28	03/03/23 02:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/02/23 12:28	03/03/23 02:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/02/23 12:28	03/03/23 02:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	0.3	S1-	70 - 130	03/02/23 12:28	03/03/23 02:19	1
o-Terphenyl	0.1	S1-	70 - 130	03/02/23 12:28	03/03/23 02:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	111		4.97		mg/Kg			03/02/23 22:15	1

Client Sample ID: H-10 (0-0.5')

Lab Sample ID: 880-25236-10

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		02/28/23 14:44	03/01/23 02:33	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/28/23 14:44	03/01/23 02:33	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/28/23 14:44	03/01/23 02:33	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/28/23 14:44	03/01/23 02:33	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/28/23 14:44	03/01/23 02:33	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/28/23 14:44	03/01/23 02:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	02/28/23 14:44	03/01/23 02:33	1
1,4-Difluorobenzene (Surr)	111		70 - 130	02/28/23 14:44	03/01/23 02:33	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25236-1
 SDG: Lea County, New Mexico

Client Sample ID: H-10 (0-0.5')

Lab Sample ID: 880-25236-10

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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			03/01/23 08:29	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			03/03/23 12:43	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	<50.0	U *1	50.0		mg/Kg		03/02/23 12:28	03/03/23 02:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/02/23 12:28	03/03/23 02:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/02/23 12:28	03/03/23 02:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	0.02	S1-	70 - 130	03/02/23 12:28	03/03/23 02:41	1
o-Terphenyl	2	S1-	70 - 130	03/02/23 12:28	03/03/23 02:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	99.0		4.95		mg/Kg			03/02/23 22:20	1

Client Sample ID: H-11 (0-0.5')

Lab Sample ID: 880-25236-11

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		02/28/23 14:44	03/01/23 02:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/28/23 14:44	03/01/23 02:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/28/23 14:44	03/01/23 02:53	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/28/23 14:44	03/01/23 02:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/28/23 14:44	03/01/23 02:53	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/28/23 14:44	03/01/23 02:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	45	S1-	70 - 130	02/28/23 14:44	03/01/23 02:53	1
1,4-Difluorobenzene (Surr)	87		70 - 130	02/28/23 14:44	03/01/23 02:53	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			03/01/23 08:29	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			03/03/23 12:43	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	<50.0	U *1	50.0		mg/Kg		03/02/23 12:28	03/03/23 03:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/02/23 12:28	03/03/23 03:03	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25236-1
 SDG: Lea County, New Mexico

Client Sample ID: H-11 (0-0.5')

Lab Sample ID: 880-25236-11

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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		03/02/23 12:28	03/03/23 03:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				03/02/23 12:28	03/03/23 03:03	1
o-Terphenyl	106		70 - 130				03/02/23 12:28	03/03/23 03:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	97.3		5.00		mg/Kg			03/02/23 22:24	1

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

Surrogate Summary

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25236-1
 SDG: Lea County, New Mexico

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)
880-25236-1	H-1 (0-0.5')	56 S1-	72
880-25236-2	H-2 (0-0.5')	120	94
880-25236-3	H-3 (0-0.5')	114	110
880-25236-4	H-4 (0-0.5')	107	95
880-25236-5	H-5 (0-0.5')	123	106
880-25236-6	H-6 (0-0.5')	101	70
880-25236-7	H-7 (0-0.5')	133 S1+	104
880-25236-8	H-8 (0-0.5')	66 S1-	62 S1-
880-25236-9	H-9 (0-0.5')	111	108
880-25236-10	H-10 (0-0.5')	123	111
880-25236-11	H-11 (0-0.5')	45 S1-	87
880-25238-A-1-H MS	Matrix Spike	103	101
880-25238-A-1-I MSD	Matrix Spike Duplicate	103	99
LCS 880-47418/1-A	Lab Control Sample	99	98
LCSD 880-47418/2-A	Lab Control Sample Dup	99	99
MB 880-47418/5-A	Method Blank	93	93

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-25236-1	H-1 (0-0.5')	107	110
880-25236-2	H-2 (0-0.5')	108	112
880-25236-3	H-3 (0-0.5')	0.07 S1-	1 S1-
880-25236-4	H-4 (0-0.5')	0.2 S1-	0.2 S1-
880-25236-5	H-5 (0-0.5')	0.3 S1-	0.1 S1-
880-25236-6	H-6 (0-0.5')	0.3 S1-	0.1 S1-
880-25236-7	H-7 (0-0.5')	0.3 S1-	0.1 S1-
880-25236-8	H-8 (0-0.5')	0.01 S1-	0.2 S1-
880-25236-9	H-9 (0-0.5')	0.3 S1-	0.1 S1-
880-25236-10	H-10 (0-0.5')	0.02 S1-	2 S1-
880-25236-11	H-11 (0-0.5')	102	106
880-25244-A-3-B MS	Matrix Spike	87	89
880-25244-A-3-C MSD	Matrix Spike Duplicate	86	88
LCS 880-47636/2-A	Lab Control Sample	80	85
LCSD 880-47636/3-A	Lab Control Sample Dup	96	102
MB 880-47636/1-A	Method Blank	100	110

Surrogate Legend
 1CO = 1-Chlorooctane
 OTPH = o-Terphenyl

Eurofins Midland

QC Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25236-1
 SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-47418/5-A
 Matrix: Solid
 Analysis Batch: 47471

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 47418

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/28/23 14:44	02/28/23 19:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/28/23 14:44	02/28/23 19:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/28/23 14:44	02/28/23 19:33	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/28/23 14:44	02/28/23 19:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/28/23 14:44	02/28/23 19:33	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/28/23 14:44	02/28/23 19:33	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	02/28/23 14:44	02/28/23 19:33	1
1,4-Difluorobenzene (Surr)	93		70 - 130	02/28/23 14:44	02/28/23 19:33	1

Lab Sample ID: LCS 880-47418/1-A
 Matrix: Solid
 Analysis Batch: 47471

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 47418

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09982		mg/Kg		100	70 - 130
Toluene	0.100	0.09740		mg/Kg		97	70 - 130
Ethylbenzene	0.100	0.09482		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	0.200	0.1945		mg/Kg		97	70 - 130
o-Xylene	0.100	0.09753		mg/Kg		98	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: LCSD 880-47418/2-A
 Matrix: Solid
 Analysis Batch: 47471

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 47418

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1004		mg/Kg		100	70 - 130	1	35
Toluene	0.100	0.09686		mg/Kg		97	70 - 130	1	35
Ethylbenzene	0.100	0.09522		mg/Kg		95	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.1965		mg/Kg		98	70 - 130	1	35
o-Xylene	0.100	0.09885		mg/Kg		99	70 - 130	1	35

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

Lab Sample ID: 880-25238-A-1-H MS
 Matrix: Solid
 Analysis Batch: 47471

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 47418

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0998	0.1077		mg/Kg		107	70 - 130
Toluene	0.0104		0.0998	0.1034		mg/Kg		93	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25236-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-25238-A-1-H MS

Client Sample ID: Matrix Spike

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 47471

Prep Batch: 47418

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	0.00604		0.0998	0.1009		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	0.0177		0.200	0.2058		mg/Kg		94	70 - 130
o-Xylene	0.00661		0.0998	0.1029		mg/Kg		97	70 - 130

Surrogate	MS %Recovery	MS Qualifier	MS Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-25238-A-1-I MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 47471

Prep Batch: 47418

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	0.09724		mg/Kg		96	70 - 130	10	35
Toluene	0.0104		0.100	0.09508		mg/Kg		84	70 - 130	8	35
Ethylbenzene	0.00604		0.100	0.09366		mg/Kg		87	70 - 130	7	35
m-Xylene & p-Xylene	0.0177		0.200	0.1917		mg/Kg		87	70 - 130	7	35
o-Xylene	0.00661		0.100	0.09621		mg/Kg		89	70 - 130	7	35

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

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

Lab Sample ID: MB 880-47636/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 47599

Prep Batch: 47636

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		03/02/23 12:28	03/02/23 20:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/02/23 12:28	03/02/23 20:01	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/02/23 12:28	03/02/23 20:01	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	03/02/23 12:28	03/02/23 20:01	1
o-Terphenyl	110		70 - 130	03/02/23 12:28	03/02/23 20:01	1

Lab Sample ID: LCS 880-47636/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 47599

Prep Batch: 47636

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	810.6		mg/Kg		81	70 - 130
Diesel Range Organics (Over C10-C28)	1000	865.3		mg/Kg		87	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25236-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-47636/2-A
Matrix: Solid
Analysis Batch: 47599

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 47636

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	80		70 - 130
o-Terphenyl	85		70 - 130

Lab Sample ID: LCSD 880-47636/3-A
Matrix: Solid
Analysis Batch: 47599

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 47636

Analyte	Spike Added	LCSD		Unit	D	%Rec	%Rec		RPD	Limit
		Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	1000	1083	*1	mg/Kg		108	70 - 130	29	20	
Diesel Range Organics (Over C10-C28)	1000	1023		mg/Kg		102	70 - 130	17	20	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	96		70 - 130
o-Terphenyl	102		70 - 130

Lab Sample ID: 880-25244-A-3-B MS
Matrix: Solid
Analysis Batch: 47599

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 47636

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	%Rec	
				Result	Qualifier				Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	997	813.4		mg/Kg		78	70 - 130	
Diesel Range Organics (Over C10-C28)	621	F1	997	492.7	F1	mg/Kg		-13	70 - 130	

Surrogate	MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	87		70 - 130
o-Terphenyl	89		70 - 130

Lab Sample ID: 880-25244-A-3-C MSD
Matrix: Solid
Analysis Batch: 47599

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 47636

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	999	893.6		mg/Kg		86	70 - 130	9	20	
Diesel Range Organics (Over C10-C28)	621	F1	999	508.8	F1	mg/Kg		-11	70 - 130	3	20	

Surrogate	MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	86		70 - 130
o-Terphenyl	88		70 - 130

QC Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25236-1
 SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-47615/1-A
 Matrix: Solid
 Analysis Batch: 47673

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			03/02/23 19:59	1

Lab Sample ID: LCS 880-47615/2-A
 Matrix: Solid
 Analysis Batch: 47673

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	256.4		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-47615/3-A
 Matrix: Solid
 Analysis Batch: 47673

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	256.0		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 880-25236-2 MS
 Matrix: Solid
 Analysis Batch: 47673

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	117		249	361.6		mg/Kg		98	90 - 110

Lab Sample ID: 880-25236-2 MSD
 Matrix: Solid
 Analysis Batch: 47673

Client Sample ID: H-2 (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	117		249	361.1		mg/Kg		98	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25236-1
 SDG: Lea County, New Mexico

GC VOA

Prep Batch: 47418

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25236-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-25236-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-25236-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-25236-4	H-4 (0-0.5')	Total/NA	Solid	5035	
880-25236-5	H-5 (0-0.5')	Total/NA	Solid	5035	
880-25236-6	H-6 (0-0.5')	Total/NA	Solid	5035	
880-25236-7	H-7 (0-0.5')	Total/NA	Solid	5035	
880-25236-8	H-8 (0-0.5')	Total/NA	Solid	5035	
880-25236-9	H-9 (0-0.5')	Total/NA	Solid	5035	
880-25236-10	H-10 (0-0.5')	Total/NA	Solid	5035	
880-25236-11	H-11 (0-0.5')	Total/NA	Solid	5035	
MB 880-47418/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-47418/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-47418/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-25238-A-1-H MS	Matrix Spike	Total/NA	Solid	5035	
880-25238-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 47471

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25236-1	H-1 (0-0.5')	Total/NA	Solid	8021B	47418
880-25236-2	H-2 (0-0.5')	Total/NA	Solid	8021B	47418
880-25236-3	H-3 (0-0.5')	Total/NA	Solid	8021B	47418
880-25236-4	H-4 (0-0.5')	Total/NA	Solid	8021B	47418
880-25236-5	H-5 (0-0.5')	Total/NA	Solid	8021B	47418
880-25236-6	H-6 (0-0.5')	Total/NA	Solid	8021B	47418
880-25236-7	H-7 (0-0.5')	Total/NA	Solid	8021B	47418
880-25236-8	H-8 (0-0.5')	Total/NA	Solid	8021B	47418
880-25236-9	H-9 (0-0.5')	Total/NA	Solid	8021B	47418
880-25236-10	H-10 (0-0.5')	Total/NA	Solid	8021B	47418
880-25236-11	H-11 (0-0.5')	Total/NA	Solid	8021B	47418
MB 880-47418/5-A	Method Blank	Total/NA	Solid	8021B	47418
LCS 880-47418/1-A	Lab Control Sample	Total/NA	Solid	8021B	47418
LCSD 880-47418/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	47418
880-25238-A-1-H MS	Matrix Spike	Total/NA	Solid	8021B	47418
880-25238-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	47418

Analysis Batch: 47511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25236-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-25236-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-25236-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-25236-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-25236-5	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-25236-6	H-6 (0-0.5')	Total/NA	Solid	Total BTEX	
880-25236-7	H-7 (0-0.5')	Total/NA	Solid	Total BTEX	
880-25236-8	H-8 (0-0.5')	Total/NA	Solid	Total BTEX	
880-25236-9	H-9 (0-0.5')	Total/NA	Solid	Total BTEX	
880-25236-10	H-10 (0-0.5')	Total/NA	Solid	Total BTEX	
880-25236-11	H-11 (0-0.5')	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25236-1
 SDG: Lea County, New Mexico

GC Semi VOA

Analysis Batch: 47599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25236-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	47636
880-25236-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	47636
880-25236-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	47636
880-25236-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	47636
880-25236-5	H-5 (0-0.5')	Total/NA	Solid	8015B NM	47636
880-25236-6	H-6 (0-0.5')	Total/NA	Solid	8015B NM	47636
880-25236-7	H-7 (0-0.5')	Total/NA	Solid	8015B NM	47636
880-25236-8	H-8 (0-0.5')	Total/NA	Solid	8015B NM	47636
880-25236-9	H-9 (0-0.5')	Total/NA	Solid	8015B NM	47636
880-25236-10	H-10 (0-0.5')	Total/NA	Solid	8015B NM	47636
880-25236-11	H-11 (0-0.5')	Total/NA	Solid	8015B NM	47636
MB 880-47636/1-A	Method Blank	Total/NA	Solid	8015B NM	47636
LCS 880-47636/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	47636
LCSD 880-47636/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	47636
880-25244-A-3-B MS	Matrix Spike	Total/NA	Solid	8015B NM	47636
880-25244-A-3-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	47636

Prep Batch: 47636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25236-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-25236-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-25236-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-25236-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-25236-5	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-25236-6	H-6 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-25236-7	H-7 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-25236-8	H-8 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-25236-9	H-9 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-25236-10	H-10 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-25236-11	H-11 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-47636/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-47636/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-47636/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-25244-A-3-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-25244-A-3-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 47736

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25236-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-25236-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-25236-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-25236-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-25236-5	H-5 (0-0.5')	Total/NA	Solid	8015 NM	
880-25236-6	H-6 (0-0.5')	Total/NA	Solid	8015 NM	
880-25236-7	H-7 (0-0.5')	Total/NA	Solid	8015 NM	
880-25236-8	H-8 (0-0.5')	Total/NA	Solid	8015 NM	
880-25236-9	H-9 (0-0.5')	Total/NA	Solid	8015 NM	
880-25236-10	H-10 (0-0.5')	Total/NA	Solid	8015 NM	
880-25236-11	H-11 (0-0.5')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25236-1
 SDG: Lea County, New Mexico

HPLC/IC

Leach Batch: 47615

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25236-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-25236-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-25236-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-25236-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-25236-5	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-25236-6	H-6 (0-0.5')	Soluble	Solid	DI Leach	
880-25236-7	H-7 (0-0.5')	Soluble	Solid	DI Leach	
880-25236-8	H-8 (0-0.5')	Soluble	Solid	DI Leach	
880-25236-9	H-9 (0-0.5')	Soluble	Solid	DI Leach	
880-25236-10	H-10 (0-0.5')	Soluble	Solid	DI Leach	
880-25236-11	H-11 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-47615/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-47615/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-47615/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-25236-2 MS	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-25236-2 MSD	H-2 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 47673

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25236-1	H-1 (0-0.5')	Soluble	Solid	300.0	47615
880-25236-2	H-2 (0-0.5')	Soluble	Solid	300.0	47615
880-25236-3	H-3 (0-0.5')	Soluble	Solid	300.0	47615
880-25236-4	H-4 (0-0.5')	Soluble	Solid	300.0	47615
880-25236-5	H-5 (0-0.5')	Soluble	Solid	300.0	47615
880-25236-6	H-6 (0-0.5')	Soluble	Solid	300.0	47615
880-25236-7	H-7 (0-0.5')	Soluble	Solid	300.0	47615
880-25236-8	H-8 (0-0.5')	Soluble	Solid	300.0	47615
880-25236-9	H-9 (0-0.5')	Soluble	Solid	300.0	47615
880-25236-10	H-10 (0-0.5')	Soluble	Solid	300.0	47615
880-25236-11	H-11 (0-0.5')	Soluble	Solid	300.0	47615
MB 880-47615/1-A	Method Blank	Soluble	Solid	300.0	47615
LCS 880-47615/2-A	Lab Control Sample	Soluble	Solid	300.0	47615
LCSD 880-47615/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	47615
880-25236-2 MS	H-2 (0-0.5')	Soluble	Solid	300.0	47615
880-25236-2 MSD	H-2 (0-0.5')	Soluble	Solid	300.0	47615

Lab Chronicle

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25236-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-25236-1

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	47418	02/28/23 14:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47471	02/28/23 22:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47511	03/01/23 08:29	MNR	EET MID
Total/NA	Analysis	8015 NM		1			47736	03/03/23 12:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47636	03/02/23 12:28	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47599	03/02/23 23:00	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	47615	03/02/23 09:25	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47673	03/02/23 21:17	CH	EET MID

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

Lab Sample ID: 880-25236-2

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	47418	02/28/23 14:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47471	02/28/23 22:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47511	03/01/23 08:29	MNR	EET MID
Total/NA	Analysis	8015 NM		1			47736	03/03/23 12:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47636	03/02/23 12:28	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47599	03/02/23 23:22	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	47615	03/02/23 09:25	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47673	03/02/23 21:21	CH	EET MID

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

Lab Sample ID: 880-25236-3

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	47418	02/28/23 14:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47471	02/28/23 22:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47511	03/01/23 08:29	MNR	EET MID
Total/NA	Analysis	8015 NM		1			47736	03/03/23 12:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47636	03/02/23 12:28	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47599	03/02/23 23:44	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47615	03/02/23 09:25	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	47673	03/02/23 21:36	CH	EET MID

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

Lab Sample ID: 880-25236-4

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	47418	02/28/23 14:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47471	03/01/23 00:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47511	03/01/23 08:29	MNR	EET MID

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Lab Chronicle

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25236-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-25236-4

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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			47736	03/03/23 12:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47636	03/02/23 12:28	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47599	03/03/23 00:06	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	47615	03/02/23 09:25	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47673	03/02/23 21:41	CH	EET MID

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

Lab Sample ID: 880-25236-5

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	47418	02/28/23 14:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47471	03/01/23 00:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47511	03/01/23 08:29	MNR	EET MID
Total/NA	Analysis	8015 NM		1			47736	03/03/23 12:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47636	03/02/23 12:28	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47599	03/03/23 00:28	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	47615	03/02/23 09:25	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47673	03/02/23 21:55	CH	EET MID

Client Sample ID: H-6 (0-0.5')

Lab Sample ID: 880-25236-6

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	47418	02/28/23 14:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47471	03/01/23 01:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47511	03/01/23 08:29	MNR	EET MID
Total/NA	Analysis	8015 NM		1			47736	03/03/23 12:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47636	03/02/23 12:28	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47599	03/03/23 00:50	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	47615	03/02/23 09:25	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47673	03/02/23 22:00	CH	EET MID

Client Sample ID: H-7 (0-0.5')

Lab Sample ID: 880-25236-7

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	47418	02/28/23 14:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47471	03/01/23 01:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47511	03/01/23 08:29	MNR	EET MID
Total/NA	Analysis	8015 NM		1			47736	03/03/23 12:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47636	03/02/23 12:28	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47599	03/03/23 01:12	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25236-1
 SDG: Lea County, New Mexico

Client Sample ID: H-7 (0-0.5')

Lab Sample ID: 880-25236-7

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	47615	03/02/23 09:25	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47673	03/02/23 22:05	CH	EET MID

Client Sample ID: H-8 (0-0.5')

Lab Sample ID: 880-25236-8

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	47418	02/28/23 14:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47471	03/01/23 01:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47511	03/01/23 08:29	MNR	EET MID
Total/NA	Analysis	8015 NM		1			47736	03/03/23 12:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47636	03/02/23 12:28	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47599	03/03/23 01:56	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	47615	03/02/23 09:25	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47673	03/02/23 22:10	CH	EET MID

Client Sample ID: H-9 (0-0.5')

Lab Sample ID: 880-25236-9

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	47418	02/28/23 14:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47471	03/01/23 02:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47511	03/01/23 08:29	MNR	EET MID
Total/NA	Analysis	8015 NM		1			47736	03/03/23 12:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47636	03/02/23 12:28	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47599	03/03/23 02:19	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	47615	03/02/23 09:25	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47673	03/02/23 22:15	CH	EET MID

Client Sample ID: H-10 (0-0.5')

Lab Sample ID: 880-25236-10

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	47418	02/28/23 14:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47471	03/01/23 02:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47511	03/01/23 08:29	MNR	EET MID
Total/NA	Analysis	8015 NM		1			47736	03/03/23 12:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47636	03/02/23 12:28	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47599	03/03/23 02:41	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	47615	03/02/23 09:25	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47673	03/02/23 22:20	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25236-1
 SDG: Lea County, New Mexico

Client Sample ID: H-11 (0-0.5')

Lab Sample ID: 880-25236-11

Date Collected: 02/27/23 00:00

Matrix: Solid

Date Received: 02/28/23 09:05

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	47418	02/28/23 14:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47471	03/01/23 02:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47511	03/01/23 08:29	MNR	EET MID
Total/NA	Analysis	8015 NM		1			47736	03/03/23 12:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47636	03/02/23 12:28	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47599	03/03/23 03:03	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47615	03/02/23 09:25	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47673	03/02/23 22:24	CH	EET MID

Laboratory References:

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

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Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25236-1
SDG: Lea 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	T104704400-22-25	06-30-23

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

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Method Summary

Client: Carmona Resources
Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25236-1
SDG: Lea 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: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-25236-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-25236-1	H-1 (0-0.5')	Solid	02/27/23 00:00	02/28/23 09:05
880-25236-2	H-2 (0-0.5')	Solid	02/27/23 00:00	02/28/23 09:05
880-25236-3	H-3 (0-0.5')	Solid	02/27/23 00:00	02/28/23 09:05
880-25236-4	H-4 (0-0.5')	Solid	02/27/23 00:00	02/28/23 09:05
880-25236-5	H-5 (0-0.5')	Solid	02/27/23 00:00	02/28/23 09:05
880-25236-6	H-6 (0-0.5')	Solid	02/27/23 00:00	02/28/23 09:05
880-25236-7	H-7 (0-0.5')	Solid	02/27/23 00:00	02/28/23 09:05
880-25236-8	H-8 (0-0.5')	Solid	02/27/23 00:00	02/28/23 09:05
880-25236-9	H-9 (0-0.5')	Solid	02/27/23 00:00	02/28/23 09:05
880-25236-10	H-10 (0-0.5')	Solid	02/27/23 00:00	02/28/23 09:05
880-25236-11	H-11 (0-0.5')	Solid	02/27/23 00:00	02/28/23 09:05

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Work Order No: 25234

3/3/2023

Project Manager	Comer Moehring	Bill to: (if different)	Mike Carmona
Company Name	Carmona Resources	Company Name	Carmona Resources
Address	310 W Wall St Ste 500	Address	310 W Wall St Ste 500
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland, TX 79701
Phone	432-813-6823	Email	mcarmona@carmonarresources.com

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

Project Name	Year	Federal Com	Turn Around		Pres. Code	ANALYSIS REQUEST			Preservative Codes	
			<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush		BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0		
Project Number	1235									
Project Location	Lea County, New Mexico		Due Date							
Sampler's Name	GPJ									
PO #:										
SAMPLE RECEIPT	Temp Blank	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				
Received In tact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Correction Factor	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>						
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Temperature Reading	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>						
Sample Custody Seals	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Corrected Temperature	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>						
Total Containers										
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Sample Comments			
H-1 (0-0.5')	2/27/2023		X		G	1	X	X	X	402
H-2 (0-0.5')	2/27/2023		X		G	1	X	X		
H-3 (0-0.5')	2/27/2023		X		G	1	X	X		
H-4 (0-0.5')	2/27/2023		X		G	1	X	X		
H-5 (0-0.5')	2/27/2023		X		G	1	X	X		
H-6 (0-0.5')	2/27/2023		X		G	1	X	X		
H-7 (0-0.5')	2/27/2023		X		G	1	X	X		
H-8 (0-0.5')	2/27/2023		X		G	1	X	X		
H-9 (0-0.5')	2/27/2023		X		G	1	X	X		
H-10 (0-0.5')	2/27/2023		X		G	1	X	X		

Comments Email to Mike Carmona / mcarmona@carmonarresources.com and Comer Moehring / cmoehring@carmonarresources.com



Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
<i>Comer Moehring</i>	2-28-2023	<i>[Signature]</i>	2/28/23



Project Manager	Conner Moehring	Bill to (if different)	Mike Carmona
Company Name	Carmona Resources	Company Name	Carmona Resources
Address	310 W Wall St Ste 500	Address	310 W Wall St Ste 500
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland TX 79701
Phone	432-813-6823	Email	Mcarmona@carmonaresources.com

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

Project Name	Yearh Yeah Federal Com 504H & 505H	Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes		
		<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush																
Project Number	1235																None NO		
Project Location	Lea County, New Mexico	Due Date	72 Hrs														Cool Cool		
Sampler's Name	GPJ																HCL HC		
PO #																	H ₂ SO ₄ H ₂		
SAMPLE RECEIPT	Temp Blank	Yes (No)	Waterice														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 SARC		
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters												Sample Comments
H-11 (0-0 5)	2/27/2023		X		G	1	BTEX 8021B												
							TPH 8015M (GRO + DRO + MRO)												
							Chloride 300.0												

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
<i>Michael Myers</i>	7-28-2023	<i>[Signature]</i>	

Work Order No: 25234

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-25236-1
SDG Number: Lea County, New Mexico

Login Number: 25236

List Number: 1

Creator: Teel, Brianna

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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Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mike Carmona
 Carmona Resources
 310 W Wall St
 Ste 415
 Midland, Texas 79701

Generated 3/28/2023 9:38:16 AM

JOB DESCRIPTION

Yeah Yeah federal Com 504H & 505H
 SDG NUMBER Lea County, New Mexico

JOB NUMBER

880-26038-1

Eurofins Midland
 1211 W. Florida Ave
 Midland TX 79701



Eurofins Midland

Job Notes

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
3/28/2023 9:38:16 AM

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

Client: Carmona Resources
Project/Site: Yeah Yeah federal Com 504H & 505H

Laboratory Job ID: 880-26038-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
 Project/Site: Yeah Yeah federal Com 504H & 505H

Job ID: 880-26038-1
 SDG: Lea 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
*1	LCS/LCSD RPD exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
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: Yeah Yeah federal Com 504H & 505H

Job ID: 880-26038-1
SDG: Lea County, New Mexico

Job ID: 880-26038-1

Laboratory: Eurofins Midland**Narrative****Job Narrative
880-26038-1****Receipt**

The samples were received on 3/16/2023 11:28 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 4.2°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: T-1 (3') (880-26038-1) and T-6 (4.5') (880-26038-2).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-49423 and analytical batch 880-49565 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: Surrogate recovery for the following sample was outside control limits: T-1 (3') (880-26038-1). 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 sample was outside control limits: (LCSD 880-49298/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (880-26160-A-23-D MS) and (880-26160-A-23-E MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-49298 and analytical batch 880-49281 recovered outside control limits for the following analytes: 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.



Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah federal Com 504H & 505H

Job ID: 880-26038-1
 SDG: Lea County, New Mexico

Client Sample ID: T-1 (3')

Lab Sample ID: 880-26038-1

Date Collected: 03/15/23 00:00

Matrix: Solid

Date Received: 03/16/23 11:28

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		03/24/23 13:09	03/28/23 05:03	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/24/23 13:09	03/28/23 05:03	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/24/23 13:09	03/28/23 05:03	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/24/23 13:09	03/28/23 05:03	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/24/23 13:09	03/28/23 05:03	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/24/23 13:09	03/28/23 05:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	03/24/23 13:09	03/28/23 05:03	1
1,4-Difluorobenzene (Surr)	135	S1+	70 - 130	03/24/23 13:09	03/28/23 05:03	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			03/28/23 10:05	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			03/24/23 13:03	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		03/23/23 10:07	03/23/23 13:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		03/23/23 10:07	03/23/23 13:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/23/23 10:07	03/23/23 13:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130	03/23/23 10:07	03/23/23 13:02	1
o-Terphenyl	96		70 - 130	03/23/23 10:07	03/23/23 13:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	88.2		4.96		mg/Kg			03/26/23 11:44	1

Client Sample ID: T-6 (4.5')

Lab Sample ID: 880-26038-2

Date Collected: 03/15/23 00:00

Matrix: Solid

Date Received: 03/16/23 11:28

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		03/24/23 13:09	03/28/23 05:23	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/24/23 13:09	03/28/23 05:23	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/24/23 13:09	03/28/23 05:23	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		03/24/23 13:09	03/28/23 05:23	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/24/23 13:09	03/28/23 05:23	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		03/24/23 13:09	03/28/23 05:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	03/24/23 13:09	03/28/23 05:23	1
1,4-Difluorobenzene (Surr)	77		70 - 130	03/24/23 13:09	03/28/23 05:23	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah federal Com 504H & 505H

Job ID: 880-26038-1
 SDG: Lea County, New Mexico

Client Sample ID: T-6 (4.5')

Lab Sample ID: 880-26038-2

Date Collected: 03/15/23 00:00

Matrix: Solid

Date Received: 03/16/23 11:28

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			03/28/23 10:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/24/23 13:03	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	<50.0	U	50.0		mg/Kg		03/23/23 10:07	03/23/23 13:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		03/23/23 10:07	03/23/23 13:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/23/23 10:07	03/23/23 13:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				03/23/23 10:07	03/23/23 13:24	1
o-Terphenyl	98		70 - 130				03/23/23 10:07	03/23/23 13:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	84.7		4.95		mg/Kg			03/26/23 11:49	1

Surrogate Summary

Client: Carmona Resources
 Project/Site: Yeah Yeah federal Com 504H & 505H

Job ID: 880-26038-1
 SDG: Lea County, New Mexico

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)
880-26038-1	T-1 (3')	84	135 S1+
880-26038-2	T-6 (4.5')	97	77
880-26041-A-1-C MS	Matrix Spike	130	86
880-26041-A-1-D MSD	Matrix Spike Duplicate	122	88
LCS 880-49423/1-A	Lab Control Sample	112	92
LCSD 880-49423/2-A	Lab Control Sample Dup	119	95
MB 880-49395/5-A	Method Blank	98	80
MB 880-49423/5-A	Method Blank	106	81

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-26038-1	T-1 (3')	84	96
880-26038-2	T-6 (4.5')	86	98
880-26160-A-23-D MS	Matrix Spike	17 S1-	11 S1-
880-26160-A-23-E MSD	Matrix Spike Duplicate	18 S1-	12 S1-
LCS 880-49298/2-A	Lab Control Sample	106	128
LCSD 880-49298/3-A	Lab Control Sample Dup	134 S1+	157 S1+
MB 880-49298/1-A	Method Blank	91	106

Surrogate Legend

1CO = 1-Chlorooctane
 OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah federal Com 504H & 505H

Job ID: 880-26038-1
 SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-49395/5-A
 Matrix: Solid
 Analysis Batch: 49565

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 49395

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/24/23 10:32	03/27/23 11:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/24/23 10:32	03/27/23 11:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/24/23 10:32	03/27/23 11:05	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/24/23 10:32	03/27/23 11:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/24/23 10:32	03/27/23 11:05	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/24/23 10:32	03/27/23 11:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	03/24/23 10:32	03/27/23 11:05	1
1,4-Difluorobenzene (Surr)	80		70 - 130	03/24/23 10:32	03/27/23 11:05	1

Lab Sample ID: MB 880-49423/5-A
 Matrix: Solid
 Analysis Batch: 49565

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 49423

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/24/23 13:09	03/27/23 21:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/24/23 13:09	03/27/23 21:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/24/23 13:09	03/27/23 21:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/24/23 13:09	03/27/23 21:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/24/23 13:09	03/27/23 21:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/24/23 13:09	03/27/23 21:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	03/24/23 13:09	03/27/23 21:49	1
1,4-Difluorobenzene (Surr)	81		70 - 130	03/24/23 13:09	03/27/23 21:49	1

Lab Sample ID: LCS 880-49423/1-A
 Matrix: Solid
 Analysis Batch: 49565

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 49423

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.07371		mg/Kg		74	70 - 130
Toluene	0.100	0.08072		mg/Kg		81	70 - 130
Ethylbenzene	0.100	0.08323		mg/Kg		83	70 - 130
m-Xylene & p-Xylene	0.200	0.1753		mg/Kg		88	70 - 130
o-Xylene	0.100	0.09022		mg/Kg		90	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: LCSD 880-49423/2-A
 Matrix: Solid
 Analysis Batch: 49565

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 49423

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.07731		mg/Kg		77	70 - 130	5	35

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QC Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah federal Com 504H & 505H

Job ID: 880-26038-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-49423/2-A
 Matrix: Solid
 Analysis Batch: 49565

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 49423

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Toluene	0.100	0.08578		mg/Kg		86	70 - 130	6	35	
Ethylbenzene	0.100	0.08681		mg/Kg		87	70 - 130	4	35	
m-Xylene & p-Xylene	0.200	0.1855		mg/Kg		93	70 - 130	6	35	
o-Xylene	0.100	0.09680		mg/Kg		97	70 - 130	7	35	
		LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)	119		70 - 130							
1,4-Difluorobenzene (Surr)	95		70 - 130							

Lab Sample ID: 880-26041-A-1-C MS
 Matrix: Solid
 Analysis Batch: 49565

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 49423

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
Benzene	<0.00199	U F1 F2	0.100	0.04576	F1	mg/Kg		46	70 - 130			
Toluene	<0.00199	U F1	0.100	0.06591	F1	mg/Kg		66	70 - 130			
Ethylbenzene	<0.00199	U	0.100	0.07915		mg/Kg		79	70 - 130			
m-Xylene & p-Xylene	<0.00398	U	0.201	0.1695		mg/Kg		84	70 - 130			
o-Xylene	<0.00199	U	0.100	0.08818		mg/Kg		87	70 - 130			
		MS	MS									
Surrogate	%Recovery	Qualifier	Limits									
4-Bromofluorobenzene (Surr)	130		70 - 130									
1,4-Difluorobenzene (Surr)	86		70 - 130									

Lab Sample ID: 880-26041-A-1-D MSD
 Matrix: Solid
 Analysis Batch: 49565

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 49423

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
Benzene	<0.00199	U F1 F2	0.0990	0.07457	F2	mg/Kg		75	70 - 130	48	35	
Toluene	<0.00199	U F1	0.0990	0.08610		mg/Kg		87	70 - 130	27	35	
Ethylbenzene	<0.00199	U	0.0990	0.08930		mg/Kg		90	70 - 130	12	35	
m-Xylene & p-Xylene	<0.00398	U	0.198	0.1906		mg/Kg		96	70 - 130	12	35	
o-Xylene	<0.00199	U	0.0990	0.09747		mg/Kg		98	70 - 130	10	35	
		MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits									
4-Bromofluorobenzene (Surr)	122		70 - 130									
1,4-Difluorobenzene (Surr)	88		70 - 130									

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

Lab Sample ID: MB 880-49298/1-A
 Matrix: Solid
 Analysis Batch: 49281

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 49298

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		03/23/23 08:07	03/23/23 08:38	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah federal Com 504H & 505H

Job ID: 880-26038-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-49298/1-A
Matrix: Solid
Analysis Batch: 49281

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 49298

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		03/23/23 08:07	03/23/23 08:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/23/23 08:07	03/23/23 08:38	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	91		70 - 130	03/23/23 08:07	03/23/23 08:38	1
o-Terphenyl	106		70 - 130	03/23/23 08:07	03/23/23 08:38	1

Lab Sample ID: LCS 880-49298/2-A
Matrix: Solid
Analysis Batch: 49281

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 49298

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	1000	852.0		mg/Kg		85	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1-Chlorooctane	106		70 - 130
o-Terphenyl	128		70 - 130

Lab Sample ID: LCSD 880-49298/3-A
Matrix: Solid
Analysis Batch: 49281

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 49298

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics (Over C10-C28)	1000	1060	*1	mg/Kg		106	70 - 130	22	20

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
1-Chlorooctane	134	S1+	70 - 130
o-Terphenyl	157	S1+	70 - 130

Lab Sample ID: 880-26160-A-23-D MS
Matrix: Solid
Analysis Batch: 49281

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 49298

Analyte	Sample	Sample	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	1235		mg/Kg		124	70 - 130
Diesel Range Organics (Over C10-C28)	105	*1	998	1058		mg/Kg		96	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
1-Chlorooctane	17	S1-	70 - 130
o-Terphenyl	11	S1-	70 - 130

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QC Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah federal Com 504H & 505H

Job ID: 880-26038-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-26160-A-23-E MSD
 Matrix: Solid
 Analysis Batch: 49281

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 49298

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	1019		mg/Kg		102	70 - 130	19	20
Diesel Range Organics (Over C10-C28)	105	*1	999	1110		mg/Kg		101	70 - 130	5	20
Surrogate	%Recovery	MSD Qualifier	MSD	Limits							
1-Chlorooctane	18	S1-		70 - 130							
o-Terphenyl	12	S1-		70 - 130							

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-49271/1-A
 Matrix: Solid
 Analysis Batch: 49506

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			03/26/23 10:07	1

Lab Sample ID: LCS 880-49271/2-A
 Matrix: Solid
 Analysis Batch: 49506

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	261.5		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-49271/3-A
 Matrix: Solid
 Analysis Batch: 49506

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	262.4		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 890-4335-A-3-C MS
 Matrix: Solid
 Analysis Batch: 49506

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	463		250	716.5		mg/Kg		102	90 - 110

Lab Sample ID: 890-4335-A-3-D MSD
 Matrix: Solid
 Analysis Batch: 49506

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	463		250	717.6		mg/Kg		102	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
 Project/Site: Yeah Yeah federal Com 504H & 505H

Job ID: 880-26038-1
 SDG: Lea County, New Mexico

GC VOA

Prep Batch: 49395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-49395/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 49423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26038-1	T-1 (3')	Total/NA	Solid	5035	
880-26038-2	T-6 (4.5')	Total/NA	Solid	5035	
MB 880-49423/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-49423/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-49423/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-26041-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-26041-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 49565

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26038-1	T-1 (3')	Total/NA	Solid	8021B	49423
880-26038-2	T-6 (4.5')	Total/NA	Solid	8021B	49423
MB 880-49395/5-A	Method Blank	Total/NA	Solid	8021B	49395
MB 880-49423/5-A	Method Blank	Total/NA	Solid	8021B	49423
LCS 880-49423/1-A	Lab Control Sample	Total/NA	Solid	8021B	49423
LCSD 880-49423/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	49423
880-26041-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	49423
880-26041-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	49423

Analysis Batch: 49708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26038-1	T-1 (3')	Total/NA	Solid	Total BTEX	
880-26038-2	T-6 (4.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 49281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26038-1	T-1 (3')	Total/NA	Solid	8015B NM	49298
880-26038-2	T-6 (4.5')	Total/NA	Solid	8015B NM	49298
MB 880-49298/1-A	Method Blank	Total/NA	Solid	8015B NM	49298
LCS 880-49298/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	49298
LCSD 880-49298/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	49298
880-26160-A-23-D MS	Matrix Spike	Total/NA	Solid	8015B NM	49298
880-26160-A-23-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	49298

Prep Batch: 49298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26038-1	T-1 (3')	Total/NA	Solid	8015NM Prep	
880-26038-2	T-6 (4.5')	Total/NA	Solid	8015NM Prep	
MB 880-49298/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-49298/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-49298/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-26160-A-23-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-26160-A-23-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Yeah Yeah federal Com 504H & 505H

Job ID: 880-26038-1
 SDG: Lea County, New Mexico

GC Semi VOA

Analysis Batch: 49419

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26038-1	T-1 (3')	Total/NA	Solid	8015 NM	
880-26038-2	T-6 (4.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 49271

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26038-1	T-1 (3')	Soluble	Solid	DI Leach	
880-26038-2	T-6 (4.5')	Soluble	Solid	DI Leach	
MB 880-49271/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-49271/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-49271/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-4335-A-3-C MS	Matrix Spike	Soluble	Solid	DI Leach	
890-4335-A-3-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 49506

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26038-1	T-1 (3')	Soluble	Solid	300.0	49271
880-26038-2	T-6 (4.5')	Soluble	Solid	300.0	49271
MB 880-49271/1-A	Method Blank	Soluble	Solid	300.0	49271
LCS 880-49271/2-A	Lab Control Sample	Soluble	Solid	300.0	49271
LCSD 880-49271/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	49271
890-4335-A-3-C MS	Matrix Spike	Soluble	Solid	300.0	49271
890-4335-A-3-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	49271

Lab Chronicle

Client: Carmona Resources
 Project/Site: Yeah Yeah federal Com 504H & 505H

Job ID: 880-26038-1
 SDG: Lea County, New Mexico

Client Sample ID: T-1 (3')

Lab Sample ID: 880-26038-1

Date Collected: 03/15/23 00:00

Matrix: Solid

Date Received: 03/16/23 11:28

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	49423	03/24/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49565	03/28/23 05:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49708	03/28/23 10:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			49419	03/24/23 13:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49298	03/23/23 10:07	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49281	03/23/23 13:02	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	49271	03/22/23 22:21	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49506	03/26/23 11:44	SMC	EET MID

Client Sample ID: T-6 (4.5')

Lab Sample ID: 880-26038-2

Date Collected: 03/15/23 00:00

Matrix: Solid

Date Received: 03/16/23 11:28

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	49423	03/24/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49565	03/28/23 05:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49708	03/28/23 10:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			49419	03/24/23 13:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49298	03/23/23 10:07	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49281	03/23/23 13:24	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	49271	03/22/23 22:21	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49506	03/26/23 11:49	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: Yeah Yeah federal Com 504H & 505H

Job ID: 880-26038-1
SDG: Lea 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	T104704400-22-25	06-30-23

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

- 1
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Method Summary

Client: Carmona Resources
 Project/Site: Yeah Yeah federal Com 504H & 505H

Job ID: 880-26038-1
 SDG: Lea 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: Yeah Yeah federal Com 504H & 505H


Job ID: 880-26038-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-26038-1	T-1 (3')	Solid	03/15/23 00:00	03/16/23 11:28
880-26038-2	T-6 (4.5')	Solid	03/15/23 00:00	03/16/23 11:28

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Work Order No: 26038

Page 1 of 1

Project Manager: Conner Moehring Company Name: Carmona Resources Address: 310 W Wall St Ste 500 Midland, TX 79701 Phone: 432-813-6823	Bill to: (if different) Company Name: Mike Carmona Carmona Resources 310 W Wall St Ste 500 Midland, TX 79701 Email: Mcarmona@carmonaresources.com	Work Order Comments Program: <input type="checkbox"/> USTIPST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> IRC <input type="checkbox"/> perfund <input type="checkbox"/> State of Project: <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/> Deliverables: <input type="checkbox"/> EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other	
Project Name: Yeah Yeah Federal Com 504H & 505H Project Number: 1235 Project Location: Lea County, New Mexico Sampler's Name: GPJ		Turn Around <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush Due Date: Standard TAT	
SAMPLE RECEIPT Received Intact: Yes (No) Temp Blank: Yes (No) Wet Ice: Yes (No) Cooler Custody Seals: Yes (No) Thermometer ID: <u>JTB</u> Sample Custody Seals: Yes (No) Correction Factor: <u>-30</u> Total Containers: Yes (No) Temperature Reading: <u>4.5</u> Corrected Temperature: <u>4.2</u>		ANALYSIS REQUEST Pres. Code: Parameters: # of Cont: Grab/Comp: Water: Soil: Time: Date: T-1 (3) 3/15/2023 T-6 (4.5) 3/15/2023	
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 Comments: <u>UOZ</u>  880-26038 Chain of Custody	
Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com			
Relinquished by: (Signature) <u>[Signature]</u>		Received by: (Signature) <u>[Signature]</u>	
Date/Time: <u>3-16-23</u>		Date/Time: <u>11:22</u>	

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Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-26038-1
 SDG Number: Lea County, New Mexico

Login Number: 26038

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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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 4/11/2023 3:03:12 PM

JOB DESCRIPTION

Yeah Yeah Federal Com 504H & 505H
 SDG NUMBER Lea County, New Mexico

JOB NUMBER

880-26980-1

Eurofins Midland
 1211 W. Florida Ave
 Midland TX 79701

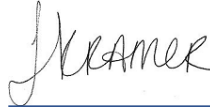


Eurofins Midland

Job Notes

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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4/11/2023 3:03:12 PM

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

Client: Carmona Resources
Project/Site: Yeah Yeah Federal Com 504H & 505H

Laboratory Job ID: 880-26980-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-26980-1
 SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
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: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-26980-1
 SDG: Lea County, New Mexico

Job ID: 880-26980-1**Laboratory: Eurofins Midland****Narrative**

Job Narrative
880-26980-1

Receipt

The samples were received on 4/10/2023 3:25 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 2.3°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS-1 (1.5') (880-26980-1), CS-2 (1.5') (880-26980-2), CS-3 (1.5') (880-26980-3), CS- 4 (1.5') (880-26980-4), CS-5 (1.5') (880-26980-5), CS-6 (1.5') (880-26980-6), CS-7 (1.5') (880-26980-7), CS-8 (1.5') (880-26980-8), CS-9 (1.5') (880-26980-9), CS-10 (1.5') (880-26980-10), CS-11 (1.5') (880-26980-11), CS-12 (1.5') (880-26980-12), CS-13 (1.5') (880-26980-13), CS-14 (1.5') (880-26980-14), CS-15 (1.5') (880-26980-15), CS-16 (1.5') (880-26980-16), CS-17 (1.5') (880-26980-17), CS-18 (1.5') (880-26980-18), SW-1 (1.5') (880-26980-19), SW-2 (1.5') (880-26980-20), SW-3 (1.5') (880-26980-21) and SW-4 (1.5') (880-26980-22).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: CS-9 (1.5') (880-26980-9), CS-10 (1.5') (880-26980-10) and CS-16 (1.5') (880-26980-16). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: SW-3 (1.5') (880-26980-21). 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: CS-3 (1.5') (880-26980-3), CS- 4 (1.5') (880-26980-4) and CS-5 (1.5') (880-26980-5). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: CS-8 (1.5') (880-26980-8). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS-10 (1.5') (880-26980-10), CS-11 (1.5') (880-26980-11), CS-12 (1.5') (880-26980-12), CS-13 (1.5') (880-26980-13), CS-14 (1.5') (880-26980-14), CS-15 (1.5') (880-26980-15), CS-16 (1.5') (880-26980-16), CS-17 (1.5') (880-26980-17), CS-18 (1.5') (880-26980-18), SW-1 (1.5') (880-26980-19) and SW-2 (1.5') (880-26980-20). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-50825/2-A) and (LCSD 880-50825/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (890-4476-A-1-E MS) and (890-4476-A-1-F MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: SW-3 (1.5') (880-26980-21). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-50847 and 880-50847 and analytical batch 880-50880 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

Case Narrative

Client: Carmona Resources
Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-26980-1
SDG: Lea County, New Mexico

Job ID: 880-26980-1 (Continued)

Laboratory: Eurofins Midland (Continued)

acceptance limits.CS-1 (1.5') (880-26980-1), CS-2 (1.5') (880-26980-2), CS-3 (1.5') (880-26980-3), CS- 4 (1.5') (880-26980-4), CS-5 (1.5') (880-26980-5), CS-6 (1.5') (880-26980-6), CS-7 (1.5') (880-26980-7), CS-8 (1.5') (880-26980-8), CS-9 (1.5') (880-26980-9), CS-10 (1.5') (880-26980-10), (880-26980-A-1-H MS) and (880-26980-A-1-I MSD)

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-50847, 880-50847 and 880-50847 and analytical batch 880-50880 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.CS-11 (1.5') (880-26980-11), CS-12 (1.5') (880-26980-12), CS-13 (1.5') (880-26980-13), CS-14 (1.5') (880-26980-14), CS-15 (1.5') (880-26980-15), CS-16 (1.5') (880-26980-16), CS-17 (1.5') (880-26980-17), CS-18 (1.5') (880-26980-18), SW-1 (1.5') (880-26980-19), SW-2 (1.5') (880-26980-20), (880-26980-A-11-D MS) and (880-26980-A-11-E MSD)

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: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-26980-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-1 (1.5')

Lab Sample ID: 880-26980-1

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/10/23 15:56	04/10/23 23:02	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/10/23 15:56	04/10/23 23:02	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/10/23 15:56	04/10/23 23:02	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		04/10/23 15:56	04/10/23 23:02	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/10/23 15:56	04/10/23 23:02	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/10/23 15:56	04/10/23 23:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	04/10/23 15:56	04/10/23 23:02	1
1,4-Difluorobenzene (Surr)	94		70 - 130	04/10/23 15:56	04/10/23 23:02	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			04/11/23 10:26	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			04/11/23 09:34	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		04/10/23 15:52	04/10/23 20:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/10/23 15:52	04/10/23 20:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/10/23 15:52	04/10/23 20:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130	04/10/23 15:52	04/10/23 20:59	1
o-Terphenyl	92		70 - 130	04/10/23 15:52	04/10/23 20:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3400	F1	24.9		mg/Kg			04/11/23 03:05	5

Client Sample ID: CS-2 (1.5')

Lab Sample ID: 880-26980-2

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/10/23 15:56	04/10/23 23:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/10/23 15:56	04/10/23 23:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/10/23 15:56	04/10/23 23:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/10/23 15:56	04/10/23 23:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/10/23 15:56	04/10/23 23:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/10/23 15:56	04/10/23 23:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	04/10/23 15:56	04/10/23 23:23	1
1,4-Difluorobenzene (Surr)	110		70 - 130	04/10/23 15:56	04/10/23 23:23	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-26980-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-2 (1.5')

Lab Sample ID: 880-26980-2

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/11/23 10:26	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			04/11/23 09:34	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		04/10/23 15:52	04/10/23 22:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/10/23 15:52	04/10/23 22:01	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/10/23 15:52	04/10/23 22:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	70		70 - 130	04/10/23 15:52	04/10/23 22:01	1
o-Terphenyl	80		70 - 130	04/10/23 15:52	04/10/23 22:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1870		24.8		mg/Kg			04/11/23 03:20	5

Client Sample ID: CS-3 (1.5')

Lab Sample ID: 880-26980-3

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/10/23 15:56	04/10/23 23:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/10/23 15:56	04/10/23 23:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/10/23 15:56	04/10/23 23:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/10/23 15:56	04/10/23 23:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/10/23 15:56	04/10/23 23:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/10/23 15:56	04/10/23 23:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	04/10/23 15:56	04/10/23 23:44	1
1,4-Difluorobenzene (Surr)	102		70 - 130	04/10/23 15:56	04/10/23 23:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/11/23 10:26	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			04/11/23 09:34	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		04/10/23 15:52	04/10/23 22:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/10/23 15:52	04/10/23 22:21	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-26980-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-3 (1.5')

Lab Sample ID: 880-26980-3

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/10/23 15:52	04/10/23 22:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	68	S1-	70 - 130				04/10/23 15:52	04/10/23 22:21	1
o-Terphenyl	75		70 - 130				04/10/23 15:52	04/10/23 22:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1660		25.1		mg/Kg			04/11/23 03:25	5

Client Sample ID: CS- 4 (1.5')

Lab Sample ID: 880-26980-4

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/10/23 15:56	04/11/23 00:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/10/23 15:56	04/11/23 00:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/10/23 15:56	04/11/23 00:04	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/10/23 15:56	04/11/23 00:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/10/23 15:56	04/11/23 00:04	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/10/23 15:56	04/11/23 00:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				04/10/23 15:56	04/11/23 00:04	1
1,4-Difluorobenzene (Surr)	109		70 - 130				04/10/23 15:56	04/11/23 00:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/11/23 10:26	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			04/11/23 09:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/10/23 15:52	04/10/23 22:41	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/10/23 15:52	04/10/23 22:41	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/10/23 15:52	04/10/23 22:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	69	S1-	70 - 130				04/10/23 15:52	04/10/23 22:41	1
o-Terphenyl	75		70 - 130				04/10/23 15:52	04/10/23 22:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3370		24.9		mg/Kg			04/11/23 03:30	5

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-26980-1
SDG: Lea County, New Mexico

Client Sample ID: CS-5 (1.5')

Lab Sample ID: 880-26980-5

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/10/23 15:56	04/11/23 00:25	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/10/23 15:56	04/11/23 00:25	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/10/23 15:56	04/11/23 00:25	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/10/23 15:56	04/11/23 00:25	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/10/23 15:56	04/11/23 00:25	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/10/23 15:56	04/11/23 00:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				04/10/23 15:56	04/11/23 00:25	1
1,4-Difluorobenzene (Surr)	107		70 - 130				04/10/23 15:56	04/11/23 00:25	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			04/11/23 10:26	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			04/11/23 09:34	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		04/10/23 15:52	04/10/23 23:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/10/23 15:52	04/10/23 23:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/10/23 15:52	04/10/23 23:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	67	S1-	70 - 130				04/10/23 15:52	04/10/23 23:02	1
o-Terphenyl	73		70 - 130				04/10/23 15:52	04/10/23 23:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2560		25.3		mg/Kg			04/11/23 03:34	5

Client Sample ID: CS-6 (1.5')

Lab Sample ID: 880-26980-6

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/10/23 15:56	04/11/23 00:45	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/10/23 15:56	04/11/23 00:45	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/10/23 15:56	04/11/23 00:45	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/10/23 15:56	04/11/23 00:45	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/10/23 15:56	04/11/23 00:45	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/10/23 15:56	04/11/23 00:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				04/10/23 15:56	04/11/23 00:45	1
1,4-Difluorobenzene (Surr)	110		70 - 130				04/10/23 15:56	04/11/23 00:45	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-26980-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-6 (1.5')

Lab Sample ID: 880-26980-6

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

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			04/11/23 10:26	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			04/11/23 09:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/10/23 15:52	04/10/23 23:23	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/10/23 15:52	04/10/23 23:23	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/10/23 15:52	04/10/23 23:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	71		70 - 130	04/10/23 15:52	04/10/23 23:23	1
o-Terphenyl	79		70 - 130	04/10/23 15:52	04/10/23 23:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1180		5.02		mg/Kg			04/11/23 03:49	1

Client Sample ID: CS-7 (1.5')

Lab Sample ID: 880-26980-7

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/10/23 15:56	04/11/23 01:06	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/10/23 15:56	04/11/23 01:06	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/10/23 15:56	04/11/23 01:06	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/10/23 15:56	04/11/23 01:06	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/10/23 15:56	04/11/23 01:06	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/10/23 15:56	04/11/23 01:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	04/10/23 15:56	04/11/23 01:06	1
1,4-Difluorobenzene (Surr)	104		70 - 130	04/10/23 15:56	04/11/23 01:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/11/23 10:26	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			04/11/23 09:34	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		04/10/23 15:52	04/10/23 23:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/10/23 15:52	04/10/23 23:43	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-26980-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-7 (1.5')

Lab Sample ID: 880-26980-7

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/10/23 15:52	04/10/23 23:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	68	S1-	70 - 130				04/10/23 15:52	04/10/23 23:43	1
o-Terphenyl	74		70 - 130				04/10/23 15:52	04/10/23 23:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1620		25.0		mg/Kg			04/11/23 03:54	5

Client Sample ID: CS-8 (1.5')

Lab Sample ID: 880-26980-8

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/10/23 15:56	04/11/23 01:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/10/23 15:56	04/11/23 01:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/10/23 15:56	04/11/23 01:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/10/23 15:56	04/11/23 01:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/10/23 15:56	04/11/23 01:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/10/23 15:56	04/11/23 01:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				04/10/23 15:56	04/11/23 01:27	1
1,4-Difluorobenzene (Surr)	107		70 - 130				04/10/23 15:56	04/11/23 01:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/11/23 10:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/11/23 09:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/10/23 15:52	04/11/23 00:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/10/23 15:52	04/11/23 00:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/10/23 15:52	04/11/23 00:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	68	S1-	70 - 130				04/10/23 15:52	04/11/23 00:04	1
o-Terphenyl	75		70 - 130				04/10/23 15:52	04/11/23 00:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	115		4.99		mg/Kg			04/11/23 03:59	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-26980-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-9 (1.5')

Lab Sample ID: 880-26980-9

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/10/23 15:56	04/11/23 01:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/10/23 15:56	04/11/23 01:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/10/23 15:56	04/11/23 01:47	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/10/23 15:56	04/11/23 01:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/10/23 15:56	04/11/23 01:47	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/10/23 15:56	04/11/23 01:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	48	S1-	70 - 130	04/10/23 15:56	04/11/23 01:47	1
1,4-Difluorobenzene (Surr)	112		70 - 130	04/10/23 15:56	04/11/23 01:47	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			04/11/23 10:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/11/23 09:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/10/23 15:52	04/11/23 00:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/10/23 15:52	04/11/23 00:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/10/23 15:52	04/11/23 00:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	71		70 - 130	04/10/23 15:52	04/11/23 00:24	1
o-Terphenyl	82		70 - 130	04/10/23 15:52	04/11/23 00:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	149		5.00		mg/Kg			04/11/23 04:03	1

Client Sample ID: CS-10 (1.5')

Lab Sample ID: 880-26980-10

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/10/23 15:56	04/11/23 02:08	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/10/23 15:56	04/11/23 02:08	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/10/23 15:56	04/11/23 02:08	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/10/23 15:56	04/11/23 02:08	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/10/23 15:56	04/11/23 02:08	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/10/23 15:56	04/11/23 02:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	61	S1-	70 - 130	04/10/23 15:56	04/11/23 02:08	1
1,4-Difluorobenzene (Surr)	91		70 - 130	04/10/23 15:56	04/11/23 02:08	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-26980-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-10 (1.5')

Lab Sample ID: 880-26980-10

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/11/23 10:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/11/23 09:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/10/23 15:52	04/11/23 00:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/10/23 15:52	04/11/23 00:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/10/23 15:52	04/11/23 00:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	67	S1-	70 - 130				04/10/23 15:52	04/11/23 00:44	1
o-Terphenyl	73		70 - 130				04/10/23 15:52	04/11/23 00:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	926		5.02		mg/Kg			04/11/23 04:08	1

Client Sample ID: CS-11 (1.5')

Lab Sample ID: 880-26980-11

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/10/23 15:56	04/11/23 03:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/10/23 15:56	04/11/23 03:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/10/23 15:56	04/11/23 03:32	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/10/23 15:56	04/11/23 03:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/10/23 15:56	04/11/23 03:32	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/10/23 15:56	04/11/23 03:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				04/10/23 15:56	04/11/23 03:32	1
1,4-Difluorobenzene (Surr)	98		70 - 130				04/10/23 15:56	04/11/23 03:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			04/11/23 10:26	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			04/11/23 09:34	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		04/10/23 15:52	04/11/23 01:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/10/23 15:52	04/11/23 01:26	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-26980-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-11 (1.5')

Lab Sample ID: 880-26980-11

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/10/23 15:52	04/11/23 01:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	68	S1-	70 - 130				04/10/23 15:52	04/11/23 01:26	1
o-Terphenyl	76		70 - 130				04/10/23 15:52	04/11/23 01:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1220		5.04		mg/Kg			04/11/23 04:13	1

Client Sample ID: CS-12 (1.5')

Lab Sample ID: 880-26980-12

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/10/23 15:56	04/11/23 03:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/10/23 15:56	04/11/23 03:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/10/23 15:56	04/11/23 03:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/10/23 15:56	04/11/23 03:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/10/23 15:56	04/11/23 03:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/10/23 15:56	04/11/23 03:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				04/10/23 15:56	04/11/23 03:52	1
1,4-Difluorobenzene (Surr)	107		70 - 130				04/10/23 15:56	04/11/23 03:52	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			04/11/23 10:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/11/23 09:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/10/23 15:52	04/11/23 01:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/10/23 15:52	04/11/23 01:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/10/23 15:52	04/11/23 01:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	68	S1-	70 - 130				04/10/23 15:52	04/11/23 01:46	1
o-Terphenyl	79		70 - 130				04/10/23 15:52	04/11/23 01:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3490		24.9		mg/Kg			04/11/23 04:28	5

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-26980-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-13 (1.5')

Lab Sample ID: 880-26980-13

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/10/23 15:56	04/11/23 04:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/10/23 15:56	04/11/23 04:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/10/23 15:56	04/11/23 04:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/10/23 15:56	04/11/23 04:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/10/23 15:56	04/11/23 04:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/10/23 15:56	04/11/23 04:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	04/10/23 15:56	04/11/23 04:13	1
1,4-Difluorobenzene (Surr)	108		70 - 130	04/10/23 15:56	04/11/23 04:13	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			04/11/23 10:26	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			04/11/23 09:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/10/23 15:52	04/11/23 02:07	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/10/23 15:52	04/11/23 02:07	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/10/23 15:52	04/11/23 02:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	67	S1-	70 - 130	04/10/23 15:52	04/11/23 02:07	1
o-Terphenyl	74		70 - 130	04/10/23 15:52	04/11/23 02:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2980		24.9		mg/Kg			04/11/23 04:32	5

Client Sample ID: CS-14 (1.5')

Lab Sample ID: 880-26980-14

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/10/23 15:56	04/11/23 04:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/10/23 15:56	04/11/23 04:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/10/23 15:56	04/11/23 04:34	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/10/23 15:56	04/11/23 04:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/10/23 15:56	04/11/23 04:34	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/10/23 15:56	04/11/23 04:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	04/10/23 15:56	04/11/23 04:34	1
1,4-Difluorobenzene (Surr)	105		70 - 130	04/10/23 15:56	04/11/23 04:34	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-26980-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-14 (1.5')

Lab Sample ID: 880-26980-14

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/11/23 10:26	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			04/11/23 09:34	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		04/10/23 15:52	04/11/23 02:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/10/23 15:52	04/11/23 02:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/10/23 15:52	04/11/23 02:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	68	S1-	70 - 130				04/10/23 15:52	04/11/23 02:28	1
o-Terphenyl	80		70 - 130				04/10/23 15:52	04/11/23 02:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	383		4.98		mg/Kg			04/11/23 04:47	1

Client Sample ID: CS-15 (1.5')

Lab Sample ID: 880-26980-15

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/10/23 15:56	04/11/23 04:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/10/23 15:56	04/11/23 04:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/10/23 15:56	04/11/23 04:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/10/23 15:56	04/11/23 04:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/10/23 15:56	04/11/23 04:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/10/23 15:56	04/11/23 04:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				04/10/23 15:56	04/11/23 04:54	1
1,4-Difluorobenzene (Surr)	104		70 - 130				04/10/23 15:56	04/11/23 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			04/11/23 10:26	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			04/11/23 09:34	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		04/10/23 15:52	04/11/23 02:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/10/23 15:52	04/11/23 02:48	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-26980-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-15 (1.5')

Lab Sample ID: 880-26980-15

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/10/23 15:52	04/11/23 02:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	67	S1-	70 - 130				04/10/23 15:52	04/11/23 02:48	1
o-Terphenyl	77		70 - 130				04/10/23 15:52	04/11/23 02:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	126		5.04		mg/Kg			04/11/23 04:52	1

Client Sample ID: CS-16 (1.5')

Lab Sample ID: 880-26980-16

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/10/23 15:56	04/11/23 05:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/10/23 15:56	04/11/23 05:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/10/23 15:56	04/11/23 05:15	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/10/23 15:56	04/11/23 05:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/10/23 15:56	04/11/23 05:15	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/10/23 15:56	04/11/23 05:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	49	S1-	70 - 130				04/10/23 15:56	04/11/23 05:15	1
1,4-Difluorobenzene (Surr)	97		70 - 130				04/10/23 15:56	04/11/23 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			04/11/23 10:26	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			04/11/23 09:34	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		04/10/23 15:52	04/11/23 03:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/10/23 15:52	04/11/23 03:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/10/23 15:52	04/11/23 03:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	68	S1-	70 - 130				04/10/23 15:52	04/11/23 03:09	1
o-Terphenyl	75		70 - 130				04/10/23 15:52	04/11/23 03:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	110		5.02		mg/Kg			04/11/23 04:56	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-26980-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-17 (1.5')

Lab Sample ID: 880-26980-17

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/10/23 15:56	04/11/23 05:36	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/10/23 15:56	04/11/23 05:36	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/10/23 15:56	04/11/23 05:36	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/10/23 15:56	04/11/23 05:36	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/10/23 15:56	04/11/23 05:36	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/10/23 15:56	04/11/23 05:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	04/10/23 15:56	04/11/23 05:36	1
1,4-Difluorobenzene (Surr)	104		70 - 130	04/10/23 15:56	04/11/23 05:36	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			04/11/23 10:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/11/23 09:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/10/23 15:52	04/11/23 03:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/10/23 15:52	04/11/23 03:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/10/23 15:52	04/11/23 03:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	67	S1-	70 - 130	04/10/23 15:52	04/11/23 03:30	1
o-Terphenyl	74		70 - 130	04/10/23 15:52	04/11/23 03:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2440		25.2		mg/Kg			04/11/23 05:01	5

Client Sample ID: CS-18 (1.5')

Lab Sample ID: 880-26980-18

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/10/23 15:56	04/11/23 05:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/10/23 15:56	04/11/23 05:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/10/23 15:56	04/11/23 05:56	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/10/23 15:56	04/11/23 05:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/10/23 15:56	04/11/23 05:56	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/10/23 15:56	04/11/23 05:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	04/10/23 15:56	04/11/23 05:56	1
1,4-Difluorobenzene (Surr)	110		70 - 130	04/10/23 15:56	04/11/23 05:56	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-26980-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-18 (1.5')

Lab Sample ID: 880-26980-18

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

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			04/11/23 10:26	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			04/11/23 09:34	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		04/10/23 15:52	04/11/23 03:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/10/23 15:52	04/11/23 03:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/10/23 15:52	04/11/23 03:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	68	S1-	70 - 130				04/10/23 15:52	04/11/23 03:50	1
o-Terphenyl	75		70 - 130				04/10/23 15:52	04/11/23 03:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	417		5.03		mg/Kg			04/11/23 05:06	1

Client Sample ID: SW-1 (1.5')

Lab Sample ID: 880-26980-19

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/10/23 15:56	04/11/23 06:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/10/23 15:56	04/11/23 06:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/10/23 15:56	04/11/23 06:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/10/23 15:56	04/11/23 06:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/10/23 15:56	04/11/23 06:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/10/23 15:56	04/11/23 06:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				04/10/23 15:56	04/11/23 06:17	1
1,4-Difluorobenzene (Surr)	108		70 - 130				04/10/23 15:56	04/11/23 06:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/11/23 10:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/11/23 09:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/10/23 15:52	04/11/23 04:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/10/23 15:52	04/11/23 04:11	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-26980-1
 SDG: Lea County, New Mexico

Client Sample ID: SW-1 (1.5')

Lab Sample ID: 880-26980-19

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/10/23 15:52	04/11/23 04:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	67	S1-	70 - 130				04/10/23 15:52	04/11/23 04:11	1
o-Terphenyl	75		70 - 130				04/10/23 15:52	04/11/23 04:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	114		5.01		mg/Kg			04/11/23 05:11	1

Client Sample ID: SW-2 (1.5')

Lab Sample ID: 880-26980-20

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/10/23 15:56	04/11/23 06:38	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/10/23 15:56	04/11/23 06:38	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/10/23 15:56	04/11/23 06:38	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/10/23 15:56	04/11/23 06:38	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/10/23 15:56	04/11/23 06:38	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/10/23 15:56	04/11/23 06:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				04/10/23 15:56	04/11/23 06:38	1
1,4-Difluorobenzene (Surr)	114		70 - 130				04/10/23 15:56	04/11/23 06:38	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			04/11/23 10:26	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			04/11/23 09:34	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		04/10/23 15:52	04/11/23 04:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/10/23 15:52	04/11/23 04:31	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/10/23 15:52	04/11/23 04:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	69	S1-	70 - 130				04/10/23 15:52	04/11/23 04:31	1
o-Terphenyl	75		70 - 130				04/10/23 15:52	04/11/23 04:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	301		4.96		mg/Kg			04/11/23 05:16	1

Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-26980-1
 SDG: Lea County, New Mexico

Client Sample ID: SW-3 (1.5')

Lab Sample ID: 880-26980-21

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/10/23 16:15	04/11/23 11:46	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/10/23 16:15	04/11/23 11:46	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/10/23 16:15	04/11/23 11:46	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/10/23 16:15	04/11/23 11:46	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/10/23 16:15	04/11/23 11:46	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/10/23 16:15	04/11/23 11:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	62	S1-	70 - 130	04/10/23 16:15	04/11/23 11:46	1
1,4-Difluorobenzene (Surr)	99		70 - 130	04/10/23 16:15	04/11/23 11:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/11/23 15:46	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			04/11/23 09:53	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	50.0		mg/Kg		04/10/23 15:52	04/11/23 04:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/10/23 15:52	04/11/23 04:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/10/23 15:52	04/11/23 04:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	68	S1-	70 - 130	04/10/23 15:52	04/11/23 04:11	1
o-Terphenyl	72		70 - 130	04/10/23 15:52	04/11/23 04:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	106		4.97		mg/Kg			04/10/23 21:51	1

Client Sample ID: SW-4 (1.5')

Lab Sample ID: 880-26980-22

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/10/23 16:15	04/11/23 12:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/10/23 16:15	04/11/23 12:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/10/23 16:15	04/11/23 12:07	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/10/23 16:15	04/11/23 12:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/10/23 16:15	04/11/23 12:07	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/10/23 16:15	04/11/23 12:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	04/10/23 16:15	04/11/23 12:07	1
1,4-Difluorobenzene (Surr)	74		70 - 130	04/10/23 16:15	04/11/23 12:07	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-26980-1
 SDG: Lea County, New Mexico

Client Sample ID: SW-4 (1.5')

Lab Sample ID: 880-26980-22

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

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			04/11/23 15:46	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			04/11/23 09:53	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	50.0		mg/Kg		04/10/23 15:52	04/11/23 04:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/10/23 15:52	04/11/23 04:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/10/23 15:52	04/11/23 04:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	70		70 - 130	04/10/23 15:52	04/11/23 04:31	1
o-Terphenyl	76		70 - 130	04/10/23 15:52	04/11/23 04:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	97.8		4.98		mg/Kg			04/10/23 21:56	1

Surrogate Summary

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-26980-1
 SDG: Lea County, New Mexico

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)
880-26980-1	CS-1 (1.5')	102	94
880-26980-1 MS	CS-1 (1.5')	108	99
880-26980-1 MSD	CS-1 (1.5')	118	101
880-26980-2	CS-2 (1.5')	109	110
880-26980-3	CS-3 (1.5')	115	102
880-26980-4	CS- 4 (1.5')	116	109
880-26980-5	CS-5 (1.5')	119	107
880-26980-6	CS-6 (1.5')	119	110
880-26980-7	CS-7 (1.5')	113	104
880-26980-8	CS-8 (1.5')	118	107
880-26980-9	CS-9 (1.5')	48 S1-	112
880-26980-10	CS-10 (1.5')	61 S1-	91
880-26980-11	CS-11 (1.5')	108	98
880-26980-12	CS-12 (1.5')	123	107
880-26980-13	CS-13 (1.5')	125	108
880-26980-14	CS-14 (1.5')	122	105
880-26980-15	CS-15 (1.5')	109	104
880-26980-16	CS-16 (1.5')	49 S1-	97
880-26980-17	CS-17 (1.5')	122	104
880-26980-18	CS-18 (1.5')	121	110
880-26980-19	SW-1 (1.5')	122	108
880-26980-20	SW-2 (1.5')	105	114
880-26980-21	SW-3 (1.5')	62 S1-	99
880-26980-21 MS	SW-3 (1.5')	82	120
880-26980-21 MSD	SW-3 (1.5')	111	114
880-26980-22	SW-4 (1.5')	87	74
LCS 880-50844/1-A	Lab Control Sample	105	99
LCS 880-50845/1-A	Lab Control Sample	85	118
LCS 880-50844/2-A	Lab Control Sample Dup	116	103
LCS 880-50845/2-A	Lab Control Sample Dup	85	119
MB 880-50529/5-A	Method Blank	100	90
MB 880-50844/5-A	Method Blank	98	85
MB 880-50845/5-A	Method Blank	74	80

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-26980-1	CS-1 (1.5')	82	92
880-26980-1 MS	CS-1 (1.5')	78	79
880-26980-1 MSD	CS-1 (1.5')	77	78
880-26980-2	CS-2 (1.5')	70	80
880-26980-3	CS-3 (1.5')	68 S1-	75
880-26980-4	CS- 4 (1.5')	69 S1-	75

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Surrogate Summary

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-26980-1
 SDG: Lea County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-26980-5	CS-5 (1.5')	67 S1-	73
880-26980-6	CS-6 (1.5')	71	79
880-26980-7	CS-7 (1.5')	68 S1-	74
880-26980-8	CS-8 (1.5')	68 S1-	75
880-26980-9	CS-9 (1.5')	71	82
880-26980-10	CS-10 (1.5')	67 S1-	73
880-26980-11	CS-11 (1.5')	68 S1-	76
880-26980-12	CS-12 (1.5')	68 S1-	79
880-26980-13	CS-13 (1.5')	67 S1-	74
880-26980-14	CS-14 (1.5')	68 S1-	80
880-26980-15	CS-15 (1.5')	67 S1-	77
880-26980-16	CS-16 (1.5')	68 S1-	75
880-26980-17	CS-17 (1.5')	67 S1-	74
880-26980-18	CS-18 (1.5')	68 S1-	75
880-26980-19	SW-1 (1.5')	67 S1-	75
880-26980-20	SW-2 (1.5')	69 S1-	75
880-26980-21	SW-3 (1.5')	68 S1-	72
880-26980-22	SW-4 (1.5')	70	76
890-4476-A-1-E MS	Matrix Spike	70	66 S1-
890-4476-A-1-F MSD	Matrix Spike Duplicate	71	65 S1-
LCS 880-50825/2-A	Lab Control Sample	6 S1-	5 S1-
LCS 880-50843/2-A	Lab Control Sample	96	99
LCSD 880-50825/3-A	Lab Control Sample Dup	6 S1-	5 S1-
LCSD 880-50843/3-A	Lab Control Sample Dup	95	96
MB 880-50825/1-A	Method Blank	77	84
MB 880-50843/1-A	Method Blank	78	93

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-26980-1
 SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-50529/5-A
 Matrix: Solid
 Analysis Batch: 50770

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 50529

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/06/23 15:17	04/10/23 11:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/06/23 15:17	04/10/23 11:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/06/23 15:17	04/10/23 11:58	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/06/23 15:17	04/10/23 11:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/06/23 15:17	04/10/23 11:58	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/06/23 15:17	04/10/23 11:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	04/06/23 15:17	04/10/23 11:58	1
1,4-Difluorobenzene (Surr)	90		70 - 130	04/06/23 15:17	04/10/23 11:58	1

Lab Sample ID: MB 880-50844/5-A
 Matrix: Solid
 Analysis Batch: 50770

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 50844

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/10/23 15:56	04/10/23 22:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/10/23 15:56	04/10/23 22:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/10/23 15:56	04/10/23 22:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/10/23 15:56	04/10/23 22:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/10/23 15:56	04/10/23 22:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/10/23 15:56	04/10/23 22:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	04/10/23 15:56	04/10/23 22:41	1
1,4-Difluorobenzene (Surr)	85		70 - 130	04/10/23 15:56	04/10/23 22:41	1

Lab Sample ID: LCS 880-50844/1-A
 Matrix: Solid
 Analysis Batch: 50770

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 50844

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09836		mg/Kg		98	70 - 130
Toluene	0.100	0.1036		mg/Kg		104	70 - 130
Ethylbenzene	0.100	0.1088		mg/Kg		109	70 - 130
m-Xylene & p-Xylene	0.200	0.2228		mg/Kg		111	70 - 130
o-Xylene	0.100	0.09896		mg/Kg		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-50844/2-A
 Matrix: Solid
 Analysis Batch: 50770

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 50844

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1152		mg/Kg		115	70 - 130	16	35

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QC Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-26980-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-50844/2-A
 Matrix: Solid
 Analysis Batch: 50770

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 50844

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.1197		mg/Kg		120	70 - 130	14	35
Ethylbenzene	0.100	0.1248		mg/Kg		125	70 - 130	14	35
m-Xylene & p-Xylene	0.200	0.2553		mg/Kg		128	70 - 130	14	35
o-Xylene	0.100	0.1135		mg/Kg		114	70 - 130	14	35

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-26980-1 MS
 Matrix: Solid
 Analysis Batch: 50770

Client Sample ID: CS-1 (1.5')
 Prep Type: Total/NA
 Prep Batch: 50844

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.0998	0.09686		mg/Kg		97	70 - 130
Toluene	<0.00202	U	0.0998	0.1029		mg/Kg		103	70 - 130
Ethylbenzene	<0.00202	U	0.0998	0.1044		mg/Kg		105	70 - 130
m-Xylene & p-Xylene	<0.00403	U	0.200	0.2115		mg/Kg		106	70 - 130
o-Xylene	<0.00202	U	0.0998	0.09338		mg/Kg		94	70 - 130

Surrogate	MS %Recovery	MS Qualifier	MS Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 880-26980-1 MSD
 Matrix: Solid
 Analysis Batch: 50770

Client Sample ID: CS-1 (1.5')
 Prep Type: Total/NA
 Prep Batch: 50844

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.100	0.1045		mg/Kg		104	70 - 130	8	35
Toluene	<0.00202	U	0.100	0.1108		mg/Kg		111	70 - 130	7	35
Ethylbenzene	<0.00202	U	0.100	0.1153		mg/Kg		115	70 - 130	10	35
m-Xylene & p-Xylene	<0.00403	U	0.200	0.2351		mg/Kg		117	70 - 130	11	35
o-Xylene	<0.00202	U	0.100	0.1034		mg/Kg		103	70 - 130	10	35

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: MB 880-50845/5-A
 Matrix: Solid
 Analysis Batch: 50868

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 50845

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/10/23 16:15	04/11/23 11:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/10/23 16:15	04/11/23 11:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/10/23 16:15	04/11/23 11:25	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/10/23 16:15	04/11/23 11:25	1

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QC Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-26980-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-50845/5-A
Matrix: Solid
Analysis Batch: 50868

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 50845

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/10/23 16:15	04/11/23 11:25	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/10/23 16:15	04/11/23 11:25	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	74		70 - 130	04/10/23 16:15	04/11/23 11:25	1
1,4-Difluorobenzene (Surr)	80		70 - 130	04/10/23 16:15	04/11/23 11:25	1

Lab Sample ID: LCS 880-50845/1-A
Matrix: Solid
Analysis Batch: 50868

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 50845

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	0.100	0.1097		mg/Kg		110	70 - 130
Toluene	0.100	0.09196		mg/Kg		92	70 - 130
Ethylbenzene	0.100	0.07727		mg/Kg		77	70 - 130
m-Xylene & p-Xylene	0.200	0.1506		mg/Kg		75	70 - 130
o-Xylene	0.100	0.07506		mg/Kg		75	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	85		70 - 130
1,4-Difluorobenzene (Surr)	118		70 - 130

Lab Sample ID: LCSD 880-50845/2-A
Matrix: Solid
Analysis Batch: 50868

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 50845

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec Limits	RPD	
		Result	Qualifier					RPD	Limit
Benzene	0.100	0.1233		mg/Kg		123	70 - 130	12	35
Toluene	0.100	0.09854		mg/Kg		99	70 - 130	7	35
Ethylbenzene	0.100	0.08507		mg/Kg		85	70 - 130	10	35
m-Xylene & p-Xylene	0.200	0.1690		mg/Kg		85	70 - 130	12	35
o-Xylene	0.100	0.08449		mg/Kg		84	70 - 130	12	35

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	85		70 - 130
1,4-Difluorobenzene (Surr)	119		70 - 130

Lab Sample ID: 880-26980-21 MS
Matrix: Solid
Analysis Batch: 50868

Client Sample ID: SW-3 (1.5')
Prep Type: Total/NA
Prep Batch: 50845

Analyte	Sample Sample		Spike Added	MS MS		Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Benzene	<0.00201	U	0.0998	0.1190		mg/Kg		119	70 - 130
Toluene	<0.00201	U	0.0998	0.09379		mg/Kg		93	70 - 130
Ethylbenzene	<0.00201	U	0.0998	0.08005		mg/Kg		80	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1588		mg/Kg		79	70 - 130
o-Xylene	<0.00201	U	0.0998	0.07907		mg/Kg		79	70 - 130

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QC Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-26980-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-26980-21 MS
 Matrix: Solid
 Analysis Batch: 50868

Client Sample ID: SW-3 (1.5')
 Prep Type: Total/NA
 Prep Batch: 50845

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	82		70 - 130
1,4-Difluorobenzene (Surr)	120		70 - 130

Lab Sample ID: 880-26980-21 MSD
 Matrix: Solid
 Analysis Batch: 50868

Client Sample ID: SW-3 (1.5')
 Prep Type: Total/NA
 Prep Batch: 50845

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
Benzene	<0.00201	U	0.101	0.1118		mg/Kg		111	70 - 130	6	35	
Toluene	<0.00201	U	0.101	0.09875		mg/Kg		97	70 - 130	5	35	
Ethylbenzene	<0.00201	U	0.101	0.09689		mg/Kg		96	70 - 130	19	35	
m-Xylene & p-Xylene	<0.00402	U	0.202	0.2051		mg/Kg		101	70 - 130	25	35	
o-Xylene	<0.00201	U	0.101	0.1026		mg/Kg		101	70 - 130	26	35	

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	114		70 - 130

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

Lab Sample ID: MB 880-50825/1-A
 Matrix: Solid
 Analysis Batch: 50777

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 50825

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/10/23 11:42	04/10/23 19:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/10/23 11:42	04/10/23 19:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/10/23 11:42	04/10/23 19:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130	04/10/23 11:42	04/10/23 19:57	1
o-Terphenyl	84		70 - 130	04/10/23 11:42	04/10/23 19:57	1

Lab Sample ID: LCS 880-50825/2-A
 Matrix: Solid
 Analysis Batch: 50777

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 50825

Analyte	Spike Added	LCS		Unit	D	%Rec	%Rec	
		Result	Qualifier				Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	1000	850.0		mg/Kg		85	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	755.0		mg/Kg		76	70 - 130	

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	6	S1-	70 - 130
o-Terphenyl	5	S1-	70 - 130

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QC Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-26980-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-50825/3-A
Matrix: Solid
Analysis Batch: 50777

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 50825

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	1000	880.2		mg/Kg		88	70 - 130	3	20	
Diesel Range Organics (Over C10-C28)	1000	772.1		mg/Kg		77	70 - 130	2	20	
		LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	6	S1-	70 - 130							
o-Terphenyl	5	S1-	70 - 130							

Lab Sample ID: 890-4476-A-1-E MS
Matrix: Solid
Analysis Batch: 50777

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 50825

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	854.4		mg/Kg		85	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	818.2		mg/Kg		78	70 - 130		
		MS	MS								
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	70		70 - 130								
o-Terphenyl	66	S1-	70 - 130								

Lab Sample ID: 890-4476-A-1-F MSD
Matrix: Solid
Analysis Batch: 50777

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 50825

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	869.7		mg/Kg		87	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U	997	825.1		mg/Kg		78	70 - 130	1	20
		MSD	MSD								
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	71		70 - 130								
o-Terphenyl	65	S1-	70 - 130								

Lab Sample ID: MB 880-50843/1-A
Matrix: Solid
Analysis Batch: 50779

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 50843

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/10/23 15:52	04/10/23 19:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/10/23 15:52	04/10/23 19:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/10/23 15:52	04/10/23 19:57	1

QC Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-26980-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-50843/1-A
Matrix: Solid
Analysis Batch: 50779

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 50843

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	78		70 - 130	04/10/23 15:52	04/10/23 19:57	1
o-Terphenyl	93		70 - 130	04/10/23 15:52	04/10/23 19:57	1

Lab Sample ID: LCS 880-50843/2-A
Matrix: Solid
Analysis Batch: 50779

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 50843

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1075		mg/Kg		108	70 - 130
Diesel Range Organics (Over C10-C28)	1000	928.9		mg/Kg		93	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	96		70 - 130
o-Terphenyl	99		70 - 130

Lab Sample ID: LCSD 880-50843/3-A
Matrix: Solid
Analysis Batch: 50779

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 50843

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1003		mg/Kg		100	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	1000	883.0		mg/Kg		88	70 - 130	5	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	95		70 - 130
o-Terphenyl	96		70 - 130

Lab Sample ID: 880-26980-1 MS
Matrix: Solid
Analysis Batch: 50779

Client Sample ID: CS-1 (1.5')
Prep Type: Total/NA
Prep Batch: 50843

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	1000	1070		mg/Kg		105	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	1025		mg/Kg		100	70 - 130

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	78		70 - 130
o-Terphenyl	79		70 - 130

QC Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-26980-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-26980-1 MSD
 Matrix: Solid
 Analysis Batch: 50779

Client Sample ID: CS-1 (1.5')
 Prep Type: Total/NA
 Prep Batch: 50843

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	997	1062		mg/Kg		104	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1014		mg/Kg		100	70 - 130	1	20
Surrogate	%Recovery	MSD Qualifier	MSD	Limits							
1-Chlorooctane	77			70 - 130							
o-Terphenyl	78			70 - 130							

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-50848/1-A
 Matrix: Solid
 Analysis Batch: 50878

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			04/10/23 21:22	1

Lab Sample ID: LCS 880-50848/2-A
 Matrix: Solid
 Analysis Batch: 50878

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	248.9		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-50848/3-A
 Matrix: Solid
 Analysis Batch: 50878

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	249.9		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 880-26943-A-1-B MS
 Matrix: Solid
 Analysis Batch: 50878

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	384		251	619.2		mg/Kg		94	90 - 110

Lab Sample ID: 880-26943-A-1-C MSD
 Matrix: Solid
 Analysis Batch: 50878

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	384		251	620.6		mg/Kg		94	90 - 110	0	20

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QC Sample Results

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-26980-1
 SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-50847/1-A
 Matrix: Solid
 Analysis Batch: 50880

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			04/11/23 02:51	1

Lab Sample ID: LCS 880-50847/2-A
 Matrix: Solid
 Analysis Batch: 50880

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	251.8		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-50847/3-A
 Matrix: Solid
 Analysis Batch: 50880

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	252.8		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-26980-1 MS
 Matrix: Solid
 Analysis Batch: 50880

Client Sample ID: CS-1 (1.5')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3400	F1	1250	4784	F1	mg/Kg		111	90 - 110

Lab Sample ID: 880-26980-1 MSD
 Matrix: Solid
 Analysis Batch: 50880

Client Sample ID: CS-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	3400	F1	1250	4790	F1	mg/Kg		112	90 - 110	0	20

Lab Sample ID: 880-26980-11 MS
 Matrix: Solid
 Analysis Batch: 50880

Client Sample ID: CS-11 (1.5')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1220		252	1405	4	mg/Kg		73	90 - 110

Lab Sample ID: 880-26980-11 MSD
 Matrix: Solid
 Analysis Batch: 50880

Client Sample ID: CS-11 (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	1220		252	1407	4	mg/Kg		74	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-26980-1
 SDG: Lea County, New Mexico

GC VOA

Prep Batch: 50529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-50529/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 50770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26980-1	CS-1 (1.5')	Total/NA	Solid	8021B	50844
880-26980-2	CS-2 (1.5')	Total/NA	Solid	8021B	50844
880-26980-3	CS-3 (1.5')	Total/NA	Solid	8021B	50844
880-26980-4	CS- 4 (1.5')	Total/NA	Solid	8021B	50844
880-26980-5	CS-5 (1.5')	Total/NA	Solid	8021B	50844
880-26980-6	CS-6 (1.5')	Total/NA	Solid	8021B	50844
880-26980-7	CS-7 (1.5')	Total/NA	Solid	8021B	50844
880-26980-8	CS-8 (1.5')	Total/NA	Solid	8021B	50844
880-26980-9	CS-9 (1.5')	Total/NA	Solid	8021B	50844
880-26980-10	CS-10 (1.5')	Total/NA	Solid	8021B	50844
880-26980-11	CS-11 (1.5')	Total/NA	Solid	8021B	50844
880-26980-12	CS-12 (1.5')	Total/NA	Solid	8021B	50844
880-26980-13	CS-13 (1.5')	Total/NA	Solid	8021B	50844
880-26980-14	CS-14 (1.5')	Total/NA	Solid	8021B	50844
880-26980-15	CS-15 (1.5')	Total/NA	Solid	8021B	50844
880-26980-16	CS-16 (1.5')	Total/NA	Solid	8021B	50844
880-26980-17	CS-17 (1.5')	Total/NA	Solid	8021B	50844
880-26980-18	CS-18 (1.5')	Total/NA	Solid	8021B	50844
880-26980-19	SW-1 (1.5')	Total/NA	Solid	8021B	50844
880-26980-20	SW-2 (1.5')	Total/NA	Solid	8021B	50844
MB 880-50529/5-A	Method Blank	Total/NA	Solid	8021B	50529
MB 880-50844/5-A	Method Blank	Total/NA	Solid	8021B	50844
LCS 880-50844/1-A	Lab Control Sample	Total/NA	Solid	8021B	50844
LCSD 880-50844/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	50844
880-26980-1 MS	CS-1 (1.5')	Total/NA	Solid	8021B	50844
880-26980-1 MSD	CS-1 (1.5')	Total/NA	Solid	8021B	50844

Prep Batch: 50844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26980-1	CS-1 (1.5')	Total/NA	Solid	5035	
880-26980-2	CS-2 (1.5')	Total/NA	Solid	5035	
880-26980-3	CS-3 (1.5')	Total/NA	Solid	5035	
880-26980-4	CS- 4 (1.5')	Total/NA	Solid	5035	
880-26980-5	CS-5 (1.5')	Total/NA	Solid	5035	
880-26980-6	CS-6 (1.5')	Total/NA	Solid	5035	
880-26980-7	CS-7 (1.5')	Total/NA	Solid	5035	
880-26980-8	CS-8 (1.5')	Total/NA	Solid	5035	
880-26980-9	CS-9 (1.5')	Total/NA	Solid	5035	
880-26980-10	CS-10 (1.5')	Total/NA	Solid	5035	
880-26980-11	CS-11 (1.5')	Total/NA	Solid	5035	
880-26980-12	CS-12 (1.5')	Total/NA	Solid	5035	
880-26980-13	CS-13 (1.5')	Total/NA	Solid	5035	
880-26980-14	CS-14 (1.5')	Total/NA	Solid	5035	
880-26980-15	CS-15 (1.5')	Total/NA	Solid	5035	
880-26980-16	CS-16 (1.5')	Total/NA	Solid	5035	
880-26980-17	CS-17 (1.5')	Total/NA	Solid	5035	
880-26980-18	CS-18 (1.5')	Total/NA	Solid	5035	

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QC Association Summary

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-26980-1
 SDG: Lea County, New Mexico

GC VOA (Continued)

Prep Batch: 50844 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26980-19	SW-1 (1.5')	Total/NA	Solid	5035	
880-26980-20	SW-2 (1.5')	Total/NA	Solid	5035	
MB 880-50844/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-50844/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-50844/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-26980-1 MS	CS-1 (1.5')	Total/NA	Solid	5035	
880-26980-1 MSD	CS-1 (1.5')	Total/NA	Solid	5035	

Prep Batch: 50845

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26980-21	SW-3 (1.5')	Total/NA	Solid	5035	
880-26980-22	SW-4 (1.5')	Total/NA	Solid	5035	
MB 880-50845/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-50845/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-50845/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-26980-21 MS	SW-3 (1.5')	Total/NA	Solid	5035	
880-26980-21 MSD	SW-3 (1.5')	Total/NA	Solid	5035	

Analysis Batch: 50868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26980-21	SW-3 (1.5')	Total/NA	Solid	8021B	50845
880-26980-22	SW-4 (1.5')	Total/NA	Solid	8021B	50845
MB 880-50845/5-A	Method Blank	Total/NA	Solid	8021B	50845
LCS 880-50845/1-A	Lab Control Sample	Total/NA	Solid	8021B	50845
LCSD 880-50845/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	50845
880-26980-21 MS	SW-3 (1.5')	Total/NA	Solid	8021B	50845
880-26980-21 MSD	SW-3 (1.5')	Total/NA	Solid	8021B	50845

Analysis Batch: 50897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26980-1	CS-1 (1.5')	Total/NA	Solid	Total BTEX	
880-26980-2	CS-2 (1.5')	Total/NA	Solid	Total BTEX	
880-26980-3	CS-3 (1.5')	Total/NA	Solid	Total BTEX	
880-26980-4	CS-4 (1.5')	Total/NA	Solid	Total BTEX	
880-26980-5	CS-5 (1.5')	Total/NA	Solid	Total BTEX	
880-26980-6	CS-6 (1.5')	Total/NA	Solid	Total BTEX	
880-26980-7	CS-7 (1.5')	Total/NA	Solid	Total BTEX	
880-26980-8	CS-8 (1.5')	Total/NA	Solid	Total BTEX	
880-26980-9	CS-9 (1.5')	Total/NA	Solid	Total BTEX	
880-26980-10	CS-10 (1.5')	Total/NA	Solid	Total BTEX	
880-26980-11	CS-11 (1.5')	Total/NA	Solid	Total BTEX	
880-26980-12	CS-12 (1.5')	Total/NA	Solid	Total BTEX	
880-26980-13	CS-13 (1.5')	Total/NA	Solid	Total BTEX	
880-26980-14	CS-14 (1.5')	Total/NA	Solid	Total BTEX	
880-26980-15	CS-15 (1.5')	Total/NA	Solid	Total BTEX	
880-26980-16	CS-16 (1.5')	Total/NA	Solid	Total BTEX	
880-26980-17	CS-17 (1.5')	Total/NA	Solid	Total BTEX	
880-26980-18	CS-18 (1.5')	Total/NA	Solid	Total BTEX	
880-26980-19	SW-1 (1.5')	Total/NA	Solid	Total BTEX	
880-26980-20	SW-2 (1.5')	Total/NA	Solid	Total BTEX	
880-26980-21	SW-3 (1.5')	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-26980-1
 SDG: Lea County, New Mexico

GC VOA (Continued)

Analysis Batch: 50897 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26980-22	SW-4 (1.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 50777

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26980-21	SW-3 (1.5')	Total/NA	Solid	8015B NM	50825
880-26980-22	SW-4 (1.5')	Total/NA	Solid	8015B NM	50825
MB 880-50825/1-A	Method Blank	Total/NA	Solid	8015B NM	50825
LCS 880-50825/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	50825
LCSD 880-50825/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	50825
890-4476-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	50825
890-4476-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	50825

Analysis Batch: 50779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26980-1	CS-1 (1.5')	Total/NA	Solid	8015B NM	50843
880-26980-2	CS-2 (1.5')	Total/NA	Solid	8015B NM	50843
880-26980-3	CS-3 (1.5')	Total/NA	Solid	8015B NM	50843
880-26980-4	CS-4 (1.5')	Total/NA	Solid	8015B NM	50843
880-26980-5	CS-5 (1.5')	Total/NA	Solid	8015B NM	50843
880-26980-6	CS-6 (1.5')	Total/NA	Solid	8015B NM	50843
880-26980-7	CS-7 (1.5')	Total/NA	Solid	8015B NM	50843
880-26980-8	CS-8 (1.5')	Total/NA	Solid	8015B NM	50843
880-26980-9	CS-9 (1.5')	Total/NA	Solid	8015B NM	50843
880-26980-10	CS-10 (1.5')	Total/NA	Solid	8015B NM	50843
880-26980-11	CS-11 (1.5')	Total/NA	Solid	8015B NM	50843
880-26980-12	CS-12 (1.5')	Total/NA	Solid	8015B NM	50843
880-26980-13	CS-13 (1.5')	Total/NA	Solid	8015B NM	50843
880-26980-14	CS-14 (1.5')	Total/NA	Solid	8015B NM	50843
880-26980-15	CS-15 (1.5')	Total/NA	Solid	8015B NM	50843
880-26980-16	CS-16 (1.5')	Total/NA	Solid	8015B NM	50843
880-26980-17	CS-17 (1.5')	Total/NA	Solid	8015B NM	50843
880-26980-18	CS-18 (1.5')	Total/NA	Solid	8015B NM	50843
880-26980-19	SW-1 (1.5')	Total/NA	Solid	8015B NM	50843
880-26980-20	SW-2 (1.5')	Total/NA	Solid	8015B NM	50843
MB 880-50843/1-A	Method Blank	Total/NA	Solid	8015B NM	50843
LCS 880-50843/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	50843
LCSD 880-50843/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	50843
880-26980-1 MS	CS-1 (1.5')	Total/NA	Solid	8015B NM	50843
880-26980-1 MSD	CS-1 (1.5')	Total/NA	Solid	8015B NM	50843

Prep Batch: 50825

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26980-21	SW-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-26980-22	SW-4 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-50825/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-50825/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-50825/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4476-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-4476-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-26980-1
 SDG: Lea County, New Mexico

GC Semi VOA

Prep Batch: 50843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26980-1	CS-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-26980-2	CS-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-26980-3	CS-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-26980-4	CS- 4 (1.5')	Total/NA	Solid	8015NM Prep	
880-26980-5	CS-5 (1.5')	Total/NA	Solid	8015NM Prep	
880-26980-6	CS-6 (1.5')	Total/NA	Solid	8015NM Prep	
880-26980-7	CS-7 (1.5')	Total/NA	Solid	8015NM Prep	
880-26980-8	CS-8 (1.5')	Total/NA	Solid	8015NM Prep	
880-26980-9	CS-9 (1.5')	Total/NA	Solid	8015NM Prep	
880-26980-10	CS-10 (1.5')	Total/NA	Solid	8015NM Prep	
880-26980-11	CS-11 (1.5')	Total/NA	Solid	8015NM Prep	
880-26980-12	CS-12 (1.5')	Total/NA	Solid	8015NM Prep	
880-26980-13	CS-13 (1.5')	Total/NA	Solid	8015NM Prep	
880-26980-14	CS-14 (1.5')	Total/NA	Solid	8015NM Prep	
880-26980-15	CS-15 (1.5')	Total/NA	Solid	8015NM Prep	
880-26980-16	CS-16 (1.5')	Total/NA	Solid	8015NM Prep	
880-26980-17	CS-17 (1.5')	Total/NA	Solid	8015NM Prep	
880-26980-18	CS-18 (1.5')	Total/NA	Solid	8015NM Prep	
880-26980-19	SW-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-26980-20	SW-2 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-50843/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-50843/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-50843/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-26980-1 MS	CS-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-26980-1 MSD	CS-1 (1.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 50877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26980-1	CS-1 (1.5')	Total/NA	Solid	8015 NM	
880-26980-2	CS-2 (1.5')	Total/NA	Solid	8015 NM	
880-26980-3	CS-3 (1.5')	Total/NA	Solid	8015 NM	
880-26980-4	CS- 4 (1.5')	Total/NA	Solid	8015 NM	
880-26980-5	CS-5 (1.5')	Total/NA	Solid	8015 NM	
880-26980-6	CS-6 (1.5')	Total/NA	Solid	8015 NM	
880-26980-7	CS-7 (1.5')	Total/NA	Solid	8015 NM	
880-26980-8	CS-8 (1.5')	Total/NA	Solid	8015 NM	
880-26980-9	CS-9 (1.5')	Total/NA	Solid	8015 NM	
880-26980-10	CS-10 (1.5')	Total/NA	Solid	8015 NM	
880-26980-11	CS-11 (1.5')	Total/NA	Solid	8015 NM	
880-26980-12	CS-12 (1.5')	Total/NA	Solid	8015 NM	
880-26980-13	CS-13 (1.5')	Total/NA	Solid	8015 NM	
880-26980-14	CS-14 (1.5')	Total/NA	Solid	8015 NM	
880-26980-15	CS-15 (1.5')	Total/NA	Solid	8015 NM	
880-26980-16	CS-16 (1.5')	Total/NA	Solid	8015 NM	
880-26980-17	CS-17 (1.5')	Total/NA	Solid	8015 NM	
880-26980-18	CS-18 (1.5')	Total/NA	Solid	8015 NM	
880-26980-19	SW-1 (1.5')	Total/NA	Solid	8015 NM	
880-26980-20	SW-2 (1.5')	Total/NA	Solid	8015 NM	
880-26980-21	SW-3 (1.5')	Total/NA	Solid	8015 NM	
880-26980-22	SW-4 (1.5')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-26980-1
 SDG: Lea County, New Mexico

HPLC/IC

Leach Batch: 50847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26980-1	CS-1 (1.5')	Soluble	Solid	DI Leach	
880-26980-2	CS-2 (1.5')	Soluble	Solid	DI Leach	
880-26980-3	CS-3 (1.5')	Soluble	Solid	DI Leach	
880-26980-4	CS-4 (1.5')	Soluble	Solid	DI Leach	
880-26980-5	CS-5 (1.5')	Soluble	Solid	DI Leach	
880-26980-6	CS-6 (1.5')	Soluble	Solid	DI Leach	
880-26980-7	CS-7 (1.5')	Soluble	Solid	DI Leach	
880-26980-8	CS-8 (1.5')	Soluble	Solid	DI Leach	
880-26980-9	CS-9 (1.5')	Soluble	Solid	DI Leach	
880-26980-10	CS-10 (1.5')	Soluble	Solid	DI Leach	
880-26980-11	CS-11 (1.5')	Soluble	Solid	DI Leach	
880-26980-12	CS-12 (1.5')	Soluble	Solid	DI Leach	
880-26980-13	CS-13 (1.5')	Soluble	Solid	DI Leach	
880-26980-14	CS-14 (1.5')	Soluble	Solid	DI Leach	
880-26980-15	CS-15 (1.5')	Soluble	Solid	DI Leach	
880-26980-16	CS-16 (1.5')	Soluble	Solid	DI Leach	
880-26980-17	CS-17 (1.5')	Soluble	Solid	DI Leach	
880-26980-18	CS-18 (1.5')	Soluble	Solid	DI Leach	
880-26980-19	SW-1 (1.5')	Soluble	Solid	DI Leach	
880-26980-20	SW-2 (1.5')	Soluble	Solid	DI Leach	
MB 880-50847/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-50847/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-50847/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-26980-1 MS	CS-1 (1.5')	Soluble	Solid	DI Leach	
880-26980-1 MSD	CS-1 (1.5')	Soluble	Solid	DI Leach	
880-26980-11 MS	CS-11 (1.5')	Soluble	Solid	DI Leach	
880-26980-11 MSD	CS-11 (1.5')	Soluble	Solid	DI Leach	

Leach Batch: 50848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26980-21	SW-3 (1.5')	Soluble	Solid	DI Leach	
880-26980-22	SW-4 (1.5')	Soluble	Solid	DI Leach	
MB 880-50848/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-50848/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-50848/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-26943-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-26943-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 50878

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26980-21	SW-3 (1.5')	Soluble	Solid	300.0	50848
880-26980-22	SW-4 (1.5')	Soluble	Solid	300.0	50848
MB 880-50848/1-A	Method Blank	Soluble	Solid	300.0	50848
LCS 880-50848/2-A	Lab Control Sample	Soluble	Solid	300.0	50848
LCSD 880-50848/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	50848
880-26943-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	50848
880-26943-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	50848

Analysis Batch: 50880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26980-1	CS-1 (1.5')	Soluble	Solid	300.0	50847

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-26980-1
 SDG: Lea County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 50880 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26980-2	CS-2 (1.5')	Soluble	Solid	300.0	50847
880-26980-3	CS-3 (1.5')	Soluble	Solid	300.0	50847
880-26980-4	CS-4 (1.5')	Soluble	Solid	300.0	50847
880-26980-5	CS-5 (1.5')	Soluble	Solid	300.0	50847
880-26980-6	CS-6 (1.5')	Soluble	Solid	300.0	50847
880-26980-7	CS-7 (1.5')	Soluble	Solid	300.0	50847
880-26980-8	CS-8 (1.5')	Soluble	Solid	300.0	50847
880-26980-9	CS-9 (1.5')	Soluble	Solid	300.0	50847
880-26980-10	CS-10 (1.5')	Soluble	Solid	300.0	50847
880-26980-11	CS-11 (1.5')	Soluble	Solid	300.0	50847
880-26980-12	CS-12 (1.5')	Soluble	Solid	300.0	50847
880-26980-13	CS-13 (1.5')	Soluble	Solid	300.0	50847
880-26980-14	CS-14 (1.5')	Soluble	Solid	300.0	50847
880-26980-15	CS-15 (1.5')	Soluble	Solid	300.0	50847
880-26980-16	CS-16 (1.5')	Soluble	Solid	300.0	50847
880-26980-17	CS-17 (1.5')	Soluble	Solid	300.0	50847
880-26980-18	CS-18 (1.5')	Soluble	Solid	300.0	50847
880-26980-19	SW-1 (1.5')	Soluble	Solid	300.0	50847
880-26980-20	SW-2 (1.5')	Soluble	Solid	300.0	50847
MB 880-50847/1-A	Method Blank	Soluble	Solid	300.0	50847
LCS 880-50847/2-A	Lab Control Sample	Soluble	Solid	300.0	50847
LCSD 880-50847/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	50847
880-26980-1 MS	CS-1 (1.5')	Soluble	Solid	300.0	50847
880-26980-1 MSD	CS-1 (1.5')	Soluble	Solid	300.0	50847
880-26980-11 MS	CS-11 (1.5')	Soluble	Solid	300.0	50847
880-26980-11 MSD	CS-11 (1.5')	Soluble	Solid	300.0	50847

Lab Chronicle

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-26980-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-1 (1.5')

Lab Sample ID: 880-26980-1

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	50844	04/10/23 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50770	04/10/23 23:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50897	04/11/23 10:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			50877	04/11/23 09:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	50843	04/10/23 15:52	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50779	04/10/23 20:59	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	50847	04/10/23 16:31	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	50880	04/11/23 03:05	SMC	EET MID

Client Sample ID: CS-2 (1.5')

Lab Sample ID: 880-26980-2

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	50844	04/10/23 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50770	04/10/23 23:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50897	04/11/23 10:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			50877	04/11/23 09:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	50843	04/10/23 15:52	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50779	04/10/23 22:01	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	50847	04/10/23 16:31	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	50880	04/11/23 03:20	SMC	EET MID

Client Sample ID: CS-3 (1.5')

Lab Sample ID: 880-26980-3

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	50844	04/10/23 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50770	04/10/23 23:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50897	04/11/23 10:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			50877	04/11/23 09:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	50843	04/10/23 15:52	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50779	04/10/23 22:21	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	50847	04/10/23 16:31	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	50880	04/11/23 03:25	SMC	EET MID

Client Sample ID: CS- 4 (1.5')

Lab Sample ID: 880-26980-4

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	50844	04/10/23 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50770	04/11/23 00:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50897	04/11/23 10:26	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-26980-1
 SDG: Lea County, New Mexico

Client Sample ID: CS- 4 (1.5')

Lab Sample ID: 880-26980-4

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			50877	04/11/23 09:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	50843	04/10/23 15:52	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50779	04/10/23 22:41	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	50847	04/10/23 16:31	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	50880	04/11/23 03:30	SMC	EET MID

Client Sample ID: CS-5 (1.5')

Lab Sample ID: 880-26980-5

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	50844	04/10/23 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50770	04/11/23 00:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50897	04/11/23 10:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			50877	04/11/23 09:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	50843	04/10/23 15:52	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50779	04/10/23 23:02	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	50847	04/10/23 16:31	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	50880	04/11/23 03:34	SMC	EET MID

Client Sample ID: CS-6 (1.5')

Lab Sample ID: 880-26980-6

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	50844	04/10/23 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50770	04/11/23 00:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50897	04/11/23 10:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			50877	04/11/23 09:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	50843	04/10/23 15:52	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50779	04/10/23 23:23	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	50847	04/10/23 16:31	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	50880	04/11/23 03:49	SMC	EET MID

Client Sample ID: CS-7 (1.5')

Lab Sample ID: 880-26980-7

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	50844	04/10/23 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50770	04/11/23 01:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50897	04/11/23 10:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			50877	04/11/23 09:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	50843	04/10/23 15:52	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50779	04/10/23 23:43	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-26980-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-7 (1.5')

Lab Sample ID: 880-26980-7

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	50847	04/10/23 16:31	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	50880	04/11/23 03:54	SMC	EET MID

Client Sample ID: CS-8 (1.5')

Lab Sample ID: 880-26980-8

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	50844	04/10/23 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50770	04/11/23 01:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50897	04/11/23 10:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			50877	04/11/23 09:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	50843	04/10/23 15:52	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50779	04/11/23 00:04	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	50847	04/10/23 16:31	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	50880	04/11/23 03:59	SMC	EET MID

Client Sample ID: CS-9 (1.5')

Lab Sample ID: 880-26980-9

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	50844	04/10/23 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50770	04/11/23 01:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50897	04/11/23 10:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			50877	04/11/23 09:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	50843	04/10/23 15:52	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50779	04/11/23 00:24	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	50847	04/10/23 16:31	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	50880	04/11/23 04:03	SMC	EET MID

Client Sample ID: CS-10 (1.5')

Lab Sample ID: 880-26980-10

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	50844	04/10/23 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50770	04/11/23 02:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50897	04/11/23 10:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			50877	04/11/23 09:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	50843	04/10/23 15:52	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50779	04/11/23 00:44	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	50847	04/10/23 16:31	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	50880	04/11/23 04:08	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-26980-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-11 (1.5')

Lab Sample ID: 880-26980-11

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	50844	04/10/23 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50770	04/11/23 03:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50897	04/11/23 10:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			50877	04/11/23 09:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	50843	04/10/23 15:52	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50779	04/11/23 01:26	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	50847	04/10/23 16:31	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	50880	04/11/23 04:13	SMC	EET MID

Client Sample ID: CS-12 (1.5')

Lab Sample ID: 880-26980-12

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	50844	04/10/23 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50770	04/11/23 03:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50897	04/11/23 10:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			50877	04/11/23 09:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	50843	04/10/23 15:52	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50779	04/11/23 01:46	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	50847	04/10/23 16:31	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	50880	04/11/23 04:28	SMC	EET MID

Client Sample ID: CS-13 (1.5')

Lab Sample ID: 880-26980-13

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	50844	04/10/23 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50770	04/11/23 04:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50897	04/11/23 10:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			50877	04/11/23 09:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	50843	04/10/23 15:52	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50779	04/11/23 02:07	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	50847	04/10/23 16:31	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	50880	04/11/23 04:32	SMC	EET MID

Client Sample ID: CS-14 (1.5')

Lab Sample ID: 880-26980-14

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	50844	04/10/23 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50770	04/11/23 04:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50897	04/11/23 10:26	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-26980-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-14 (1.5')

Lab Sample ID: 880-26980-14

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			50877	04/11/23 09:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	50843	04/10/23 15:52	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50779	04/11/23 02:28	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	50847	04/10/23 16:31	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	50880	04/11/23 04:47	SMC	EET MID

Client Sample ID: CS-15 (1.5')

Lab Sample ID: 880-26980-15

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	50844	04/10/23 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50770	04/11/23 04:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50897	04/11/23 10:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			50877	04/11/23 09:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	50843	04/10/23 15:52	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50779	04/11/23 02:48	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	50847	04/10/23 16:31	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	50880	04/11/23 04:52	SMC	EET MID

Client Sample ID: CS-16 (1.5')

Lab Sample ID: 880-26980-16

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	50844	04/10/23 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50770	04/11/23 05:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50897	04/11/23 10:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			50877	04/11/23 09:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	50843	04/10/23 15:52	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50779	04/11/23 03:09	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	50847	04/10/23 16:31	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	50880	04/11/23 04:56	SMC	EET MID

Client Sample ID: CS-17 (1.5')

Lab Sample ID: 880-26980-17

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	50844	04/10/23 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50770	04/11/23 05:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50897	04/11/23 10:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			50877	04/11/23 09:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	50843	04/10/23 15:52	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50779	04/11/23 03:30	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-26980-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-17 (1.5')

Lab Sample ID: 880-26980-17

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	50847	04/10/23 16:31	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	50880	04/11/23 05:01	SMC	EET MID

Client Sample ID: CS-18 (1.5')

Lab Sample ID: 880-26980-18

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	50844	04/10/23 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50770	04/11/23 05:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50897	04/11/23 10:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			50877	04/11/23 09:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	50843	04/10/23 15:52	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50779	04/11/23 03:50	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	50847	04/10/23 16:31	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	50880	04/11/23 05:06	SMC	EET MID

Client Sample ID: SW-1 (1.5')

Lab Sample ID: 880-26980-19

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	50844	04/10/23 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50770	04/11/23 06:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50897	04/11/23 10:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			50877	04/11/23 09:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	50843	04/10/23 15:52	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50779	04/11/23 04:11	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	50847	04/10/23 16:31	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	50880	04/11/23 05:11	SMC	EET MID

Client Sample ID: SW-2 (1.5')

Lab Sample ID: 880-26980-20

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	50844	04/10/23 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50770	04/11/23 06:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50897	04/11/23 10:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			50877	04/11/23 09:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	50843	04/10/23 15:52	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50779	04/11/23 04:31	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	50847	04/10/23 16:31	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	50880	04/11/23 05:16	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-26980-1
 SDG: Lea County, New Mexico

Client Sample ID: SW-3 (1.5')

Lab Sample ID: 880-26980-21

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	50845	04/10/23 16:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50868	04/11/23 11:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50897	04/11/23 15:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			50877	04/11/23 09:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	50825	04/10/23 15:52	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50777	04/11/23 04:11	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	50848	04/10/23 16:32	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	50878	04/10/23 21:51	SMC	EET MID

Client Sample ID: SW-4 (1.5')

Lab Sample ID: 880-26980-22

Date Collected: 04/08/23 00:00

Matrix: Solid

Date Received: 04/10/23 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	50845	04/10/23 16:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50868	04/11/23 12:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50897	04/11/23 15:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			50877	04/11/23 09:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	50825	04/10/23 15:52	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50777	04/11/23 04:31	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	50848	04/10/23 16:32	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	50878	04/10/23 21:56	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: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-26980-1
SDG: Lea 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	T104704400-22-25	06-30-23

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

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Method Summary

Client: Carmona Resources
 Project/Site: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-26980-1
 SDG: Lea 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: Yeah Yeah Federal Com 504H & 505H

Job ID: 880-26980-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-26980-1	CS-1 (1.5')	Solid	04/08/23 00:00	04/10/23 15:25
880-26980-2	CS-2 (1.5')	Solid	04/08/23 00:00	04/10/23 15:25
880-26980-3	CS-3 (1.5')	Solid	04/08/23 00:00	04/10/23 15:25
880-26980-4	CS-4 (1.5')	Solid	04/08/23 00:00	04/10/23 15:25
880-26980-5	CS-5 (1.5')	Solid	04/08/23 00:00	04/10/23 15:25
880-26980-6	CS-6 (1.5')	Solid	04/08/23 00:00	04/10/23 15:25
880-26980-7	CS-7 (1.5')	Solid	04/08/23 00:00	04/10/23 15:25
880-26980-8	CS-8 (1.5')	Solid	04/08/23 00:00	04/10/23 15:25
880-26980-9	CS-9 (1.5')	Solid	04/08/23 00:00	04/10/23 15:25
880-26980-10	CS-10 (1.5')	Solid	04/08/23 00:00	04/10/23 15:25
880-26980-11	CS-11 (1.5')	Solid	04/08/23 00:00	04/10/23 15:25
880-26980-12	CS-12 (1.5')	Solid	04/08/23 00:00	04/10/23 15:25
880-26980-13	CS-13 (1.5')	Solid	04/08/23 00:00	04/10/23 15:25
880-26980-14	CS-14 (1.5')	Solid	04/08/23 00:00	04/10/23 15:25
880-26980-15	CS-15 (1.5')	Solid	04/08/23 00:00	04/10/23 15:25
880-26980-16	CS-16 (1.5')	Solid	04/08/23 00:00	04/10/23 15:25
880-26980-17	CS-17 (1.5')	Solid	04/08/23 00:00	04/10/23 15:25
880-26980-18	CS-18 (1.5')	Solid	04/08/23 00:00	04/10/23 15:25
880-26980-19	SW-1 (1.5')	Solid	04/08/23 00:00	04/10/23 15:25
880-26980-20	SW-2 (1.5')	Solid	04/08/23 00:00	04/10/23 15:25
880-26980-21	SW-3 (1.5')	Solid	04/08/23 00:00	04/10/23 15:25
880-26980-22	SW-4 (1.5')	Solid	04/08/23 00:00	04/10/23 15:25

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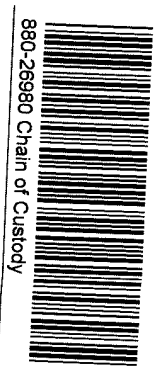
Work Order No: 26980

Project Manager	Conner Moehring	Bill to (if different)	Mike Carmona
Company Name	Carmona Resources	Company Name	Carmona Resources
Address	310 W Wall St Ste 500	Address	310 W Wall St Ste 500
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland, TX 79701
Phone	432-813-6823	Email	Mcarmona@carnonaresources.com

Project Name	Yeah Yeah Federal Com 504H & 505H	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pass Code	
Project Number	1235				
Project Location	Lea County, New Mexico	Due Date	24 Hrs		
Sampler's Name	MMI				
PO #					

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters			ANALYSIS REQUEST	Preservative Codes
							BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0		
CS-1 (1 5)	4/8/2023		X		C	1	X	X	X		
CS-2 (1 5)	4/8/2023		X		C	1	X	X	X		
CS-3 (1 5)	4/8/2023		X		C	1	X	X	X		
CS-4 (1 5)	4/8/2023		X		C	1	X	X	X		
CS-5 (1 5)	4/8/2023		X		C	1	X	X	X		
CS-6 (1 5)	4/10/2023		X		C	1	X	X	X		
CS-7 (1 5)	4/10/2023		X		C	1	X	X	X		
CS-8 (1 5)	4/10/2023		X		C	1	X	X	X		
CS-9 (1 5)	4/10/2023		X		C	1	X	X	X		
CS-10 (1 5)	4/10/2023		X		C	1	X	X	X		

Comments Email to Mike Carmona / Mcarmona@carnonaresources.com and Conner Moehring / Cmoehring@carnonaresources.com



Sample Comments
NO2

None NO DI Water- H₂O
Cool Cool MeOH Me
HCL HC HNO₃ HN
H₂SO₄ H₂ NaOH Na
H₃PO₄ HP
NaHSO₄ NABIS
Na₂S₂O₃ NaSO₃
Zn Acetate+NaOH Zn
NaOH+Ascorbic Acid SAPC

Relinquished by (Signature)		Date/Time	Received by (Signature)		Date/Time
<i>Conner Moehring</i>		4-10-23	<i>[Signature]</i>		
		1525			

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Work Order No: 219980

Page 2 of 3

Project Manager	Conner Moehring	Bill to (if different)	Mike Carmona
Company Name	Carmona Resources	Company Name	Carmona Resources
Address	310 W Wall St Ste 500	Address	310 W Wall St Ste 500
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland, TX 79701
Phone	432-813-6823	Email	mcarmona@carmonareresources.com

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

Project Name	Yeah Yeah Federal Com 504H & 505H		Turn Around	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush	Pres. Code	
Project Number	1235	Due Date	24 Hrs				
Project Location	Lee County, New Mexico						
Sampler's Name	MM						
PO #							
SAMPLE RECEIPT	Temp Blank	Yes	No	Well 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	Yes	No	Corrected Temperature				

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters			ANALYSIS REQUEST	Preservative Codes	Sample Comments
							BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0			
CS-11 (1 5)	4/10/2023		X		C	1	X	X	X			
CS-12 (1 5)	4/10/2023		X		C	1	X	X	X			
CS-13 (1 5)	4/10/2023		X		C	1	X	X	X			
CS-14 (1 5)	4/10/2023		X		C	1	X	X	X			
CS-15 (1 5)	4/10/2023		X		C	1	X	X	X			
CS-16 (1 5)	4/10/2023		X		C	1	X	X	X			
CS-17 (1 5)	4/10/2023		X		C	1	X	X	X			
CS-18 (1 5)	4/10/2023		X		C	1	X	X	X			
SW-1 (1 5)	4/10/2023		X		C	1	X	X	X			
SW-2 (1 5)	4/10/2023		X		C	1	X	X	X			

Comments Email to Mike Carmona / mcarmona@carmonareresources.com and Conner Moehring / cmoehring@carmonareresources.com

Relinquished by (Signature)		Date/Time
		4-10-23 1535
Received by (Signature)		Date/Time

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Work Order No: 26980

Page 3 of 3

Project Manager: Conner Moehring	Bill to: (if different) Mike Carmona
Company Name: Carmona Resources	Company Name: Carmona Resources
Address: 310 W Wall St Ste 500	Address: 310 W Wall St Ste 500
City, State ZIP: Midland, TX 79701	City, State ZIP: Midland, TX 79701
Phone: 432-813-6823	Email: Mcarmona@carmonaresources.com

Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> Iperfund State of Project: _____ Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/> Deliverables EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: _____	Work Order Comments 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
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Project Name	Year	Year	Turn Around		Pres. Code	ANALYSIS REQUEST			Preservative Codes
			<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush		Due Date	24 Hrs		
Project Number: 1235	Lea County, New Mexico	MM							
Project Location: Lea County, New Mexico									
Sampler's Name: MM									
PO #:									
SAMPLE RECEIPT	Temp Blank	Yes No	Thermometer ID	Yes No	Wet Ice	Yes No			
Received Intact:	Yes No		Correction Factor	Yes No					
Cooler Custody Seals:	Yes No		Temperature Reading	Corrected Temperature					
Sample Custody Seals:	Yes No								
Total Containers:									
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0
SW-3 (1 5')	4/10/2023		X		C	1	X	X	X
SW-4 (1 5')	4/10/2023		X		C	1	X	X	X

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Loc: 880
26980

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
<i>Conner Moehring</i>	4-10-23 15:25	<i>[Signature]</i>	

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-26980-1
SDG Number: Lea County, New Mexico

Login Number: 26980

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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 1625 N. French Dr., Hobbs, NM 88240
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District III
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 Phone:(505) 334-6178 Fax:(505) 334-6170
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 209391

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 209391
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Remediation has met Rule requirements. Contamination above Reclamation standards has been left in place and is required to be addressed once site is no longer reasonably needed for production or drilling ops.	8/10/2023