



SITE INFORMATION

Closure Report
Modelo 3 Fed Com #533H
Lea County, New Mexico
Incident ID: NAPP2224233813
Unit M Sec 03 T24S R32E
32.241108°, -103.668194°

Reuse Water Release
Point of Release: Overfilled Water Silo
Release Date: 08/21/2022
Volume Released: 15 barrels of Reuse Water
Volume Recovered: 10 barrels of Reuse Water

CARMONA RESOURCES



Prepared for:
EOG Resources, Inc
5509 Champions Dr.
Midland, TX 79706

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



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November 9, 2023

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

**Re: Closure Report
Modelo 3 Fed Com #533H
EOG Resources, Inc
Incident #NAPP2224233813
Site Location: Unit M, S03, T24S, R32E
(Lat 32.241108°, Long -103.668194°)
Lea County, New Mexico**

To whom it may concern:

On behalf of EOG Resources, Inc (EOG), Carmona Resources, LLC has prepared this letter to document site activities for the Modelo 3 Fed Com #533H. The site is located at 32.241108°, -103.668194° within Unit M, S03, T24S, R32E, 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 August 21, 2022, from an overfilled water silo. It resulted in the release of fifteen (15) barrels of reused water. There were ten (10) barrels recovered. Refer to Figure 3. The initial C-141 form is attached in Appendix C. On March 14, 2023, the NMOCD granted a confirmation composite sampling variance of 400 square feet. On June 14, 2023, the NMOCD granted an extension to September 13, 2023. The email correspondence can be found in Appendix C.

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, there is one known water source within a 0.50-mile radius of the location. The nearest identified well is located approximately 0.14 miles Northeast of the site in S03, T24S, R32E and was drilled in 1976. The well has a reported depth to groundwater of 454.43' below ground surface (ft bgs). A copy of the associated Summary report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

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

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



4.0 Site Assessment Activities

Trenching Activities

On November 4, 2022, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. Six (6) trenches (T-1 through T-6) and ten (10) horizontal samples (H-1 through H-10) were advanced to depths ranging from the surface to 4' bgs inside the release area to assess the vertical and horizontal extent. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E. See Table 1 for the analytical results.

Vertical Delineation

Vertical delineation was achieved for the areas of T-1, T-2, T-3, and T-6. The areas T-4 and T-5 were not delineated vertically due to the dense, cemented geological formation 17 inches below the surface. Refer to Table 1.

Horizontal Delineation

The areas of H-1 through H-10 were below the regulatory limits for benzene, total BTEX, TPH, and chloride concentrations. 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 August 1, 2023, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The area of T-1 and T-2 was excavated to a depth of 4.0-4.25' below the surface, the area of T-3 was excavated to a depth of 3.0'-3.5' below the surface, the area of T-4 and T-5 was excavated to a depth of 2.0-2.75' below the surface, and the area of T-6 was excavated to a depth of 1.5' below the surface to remove all the impacted soils. A hammer hoe was utilized during the remediation activities to break through the dense geological formations encountered during the trenching activities and to remove all the impacted material. A total of one hundred and two (102) floor confirmation samples were collected (CS-1 through CS-102), and thirty (30) sidewall samples (SW-1 through SW-30) were collected every 400 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 300.0/4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 4.



All final confirmation samples were below the regulatory 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 4,228 cubic yards of material were excavated and transported offsite for proper disposal.

6.0 Conclusions

Based on the assessment results and the final 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

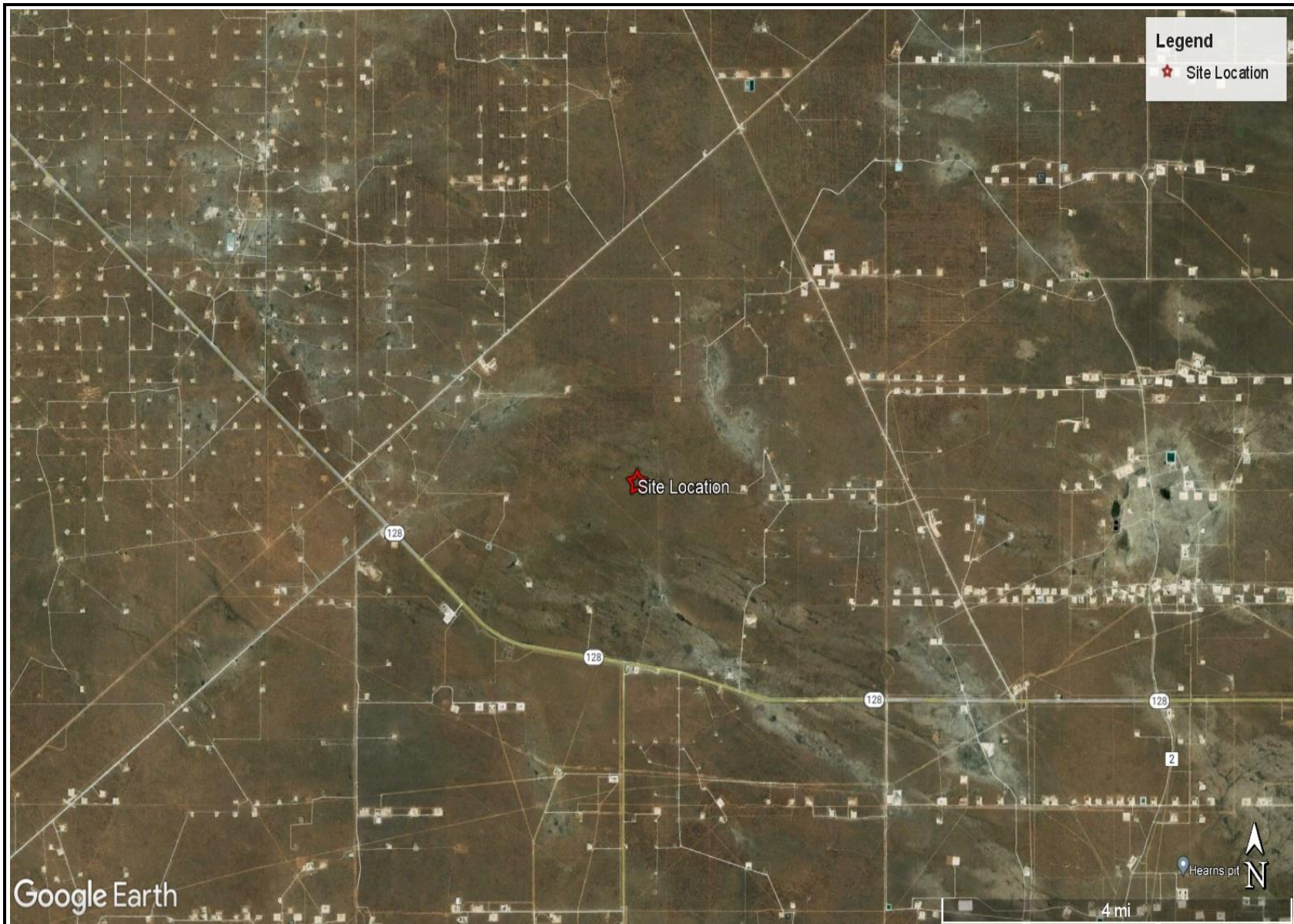
Conner Moehring
Sr. Project Manager

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

FIGURES

CARMONA RESOURCES

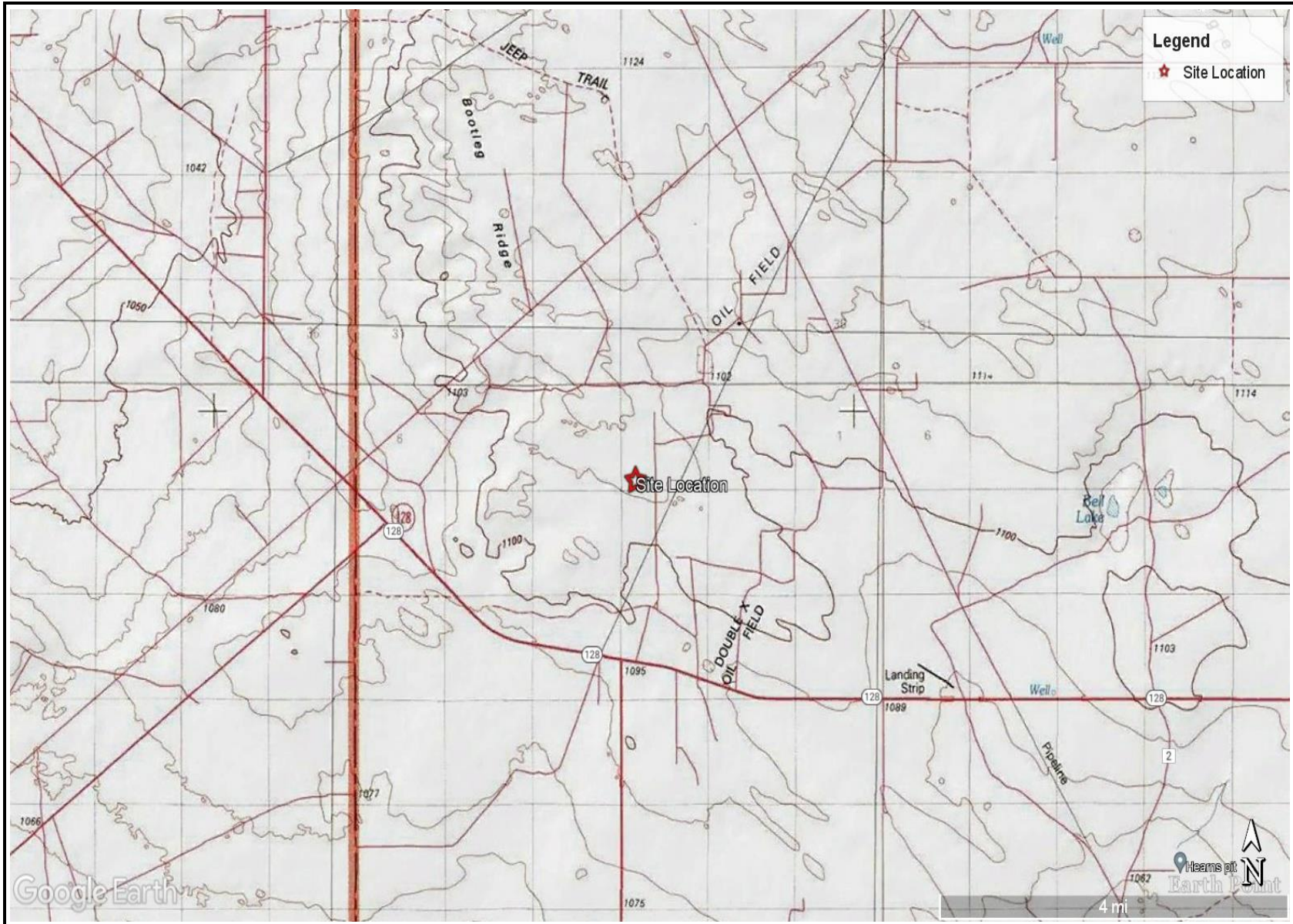




OVERVIEW MAP
EOG RESOURCES
MODELO 3 FED COM #533H
LEA COUNTY, NEW MEXICO
32.241108°, -103.668194°



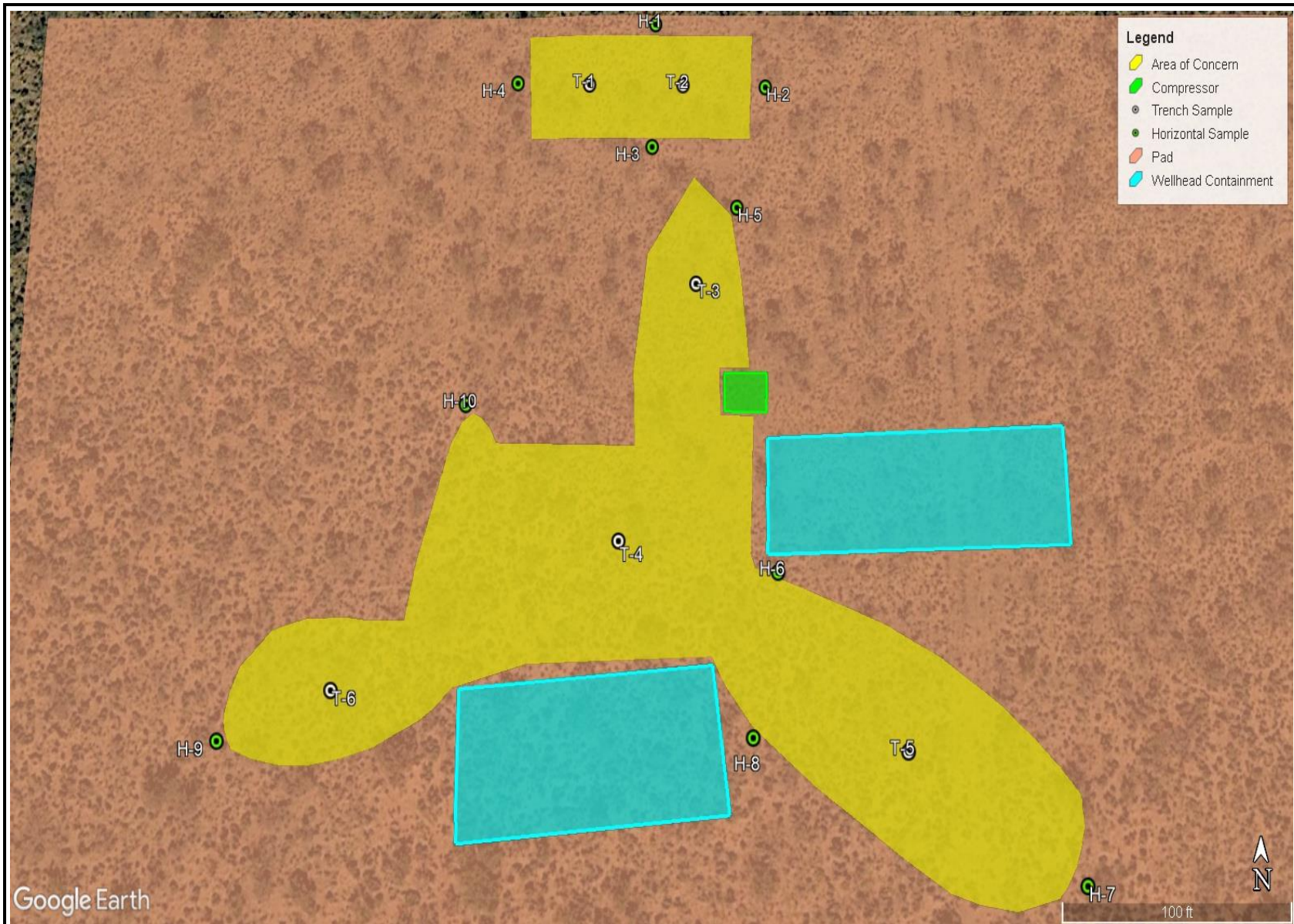
FIGURE 1



TOPOGRAPHIC MAP
EOG RESOURCES
MODELO 3 FED COM #533H
LEA COUNTY, NEW MEXICO
32.241108°, -103.668194°



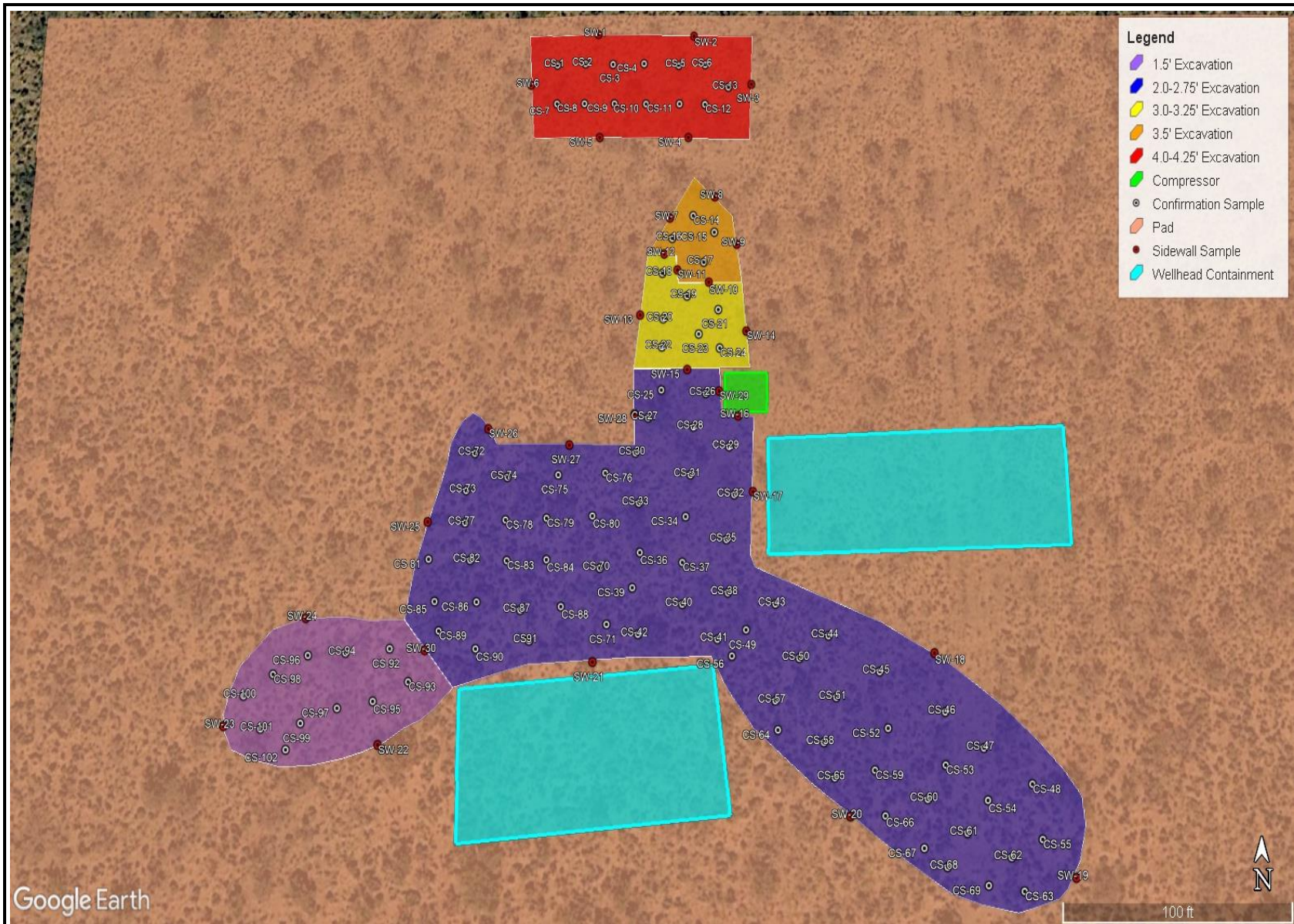
FIGURE 2



SAMPLE LOCATION MAP
EOG RESOURCES
MODELO 3 FED COM #533H
LEA COUNTY, NEW MEXICO
32.241108°, -103.668194°



FIGURE 3



EXCAVATION MAP
EOG RESOURCES
MODELO 3 FED COM #533H
LEA COUNTY, NEW MEXICO
32.241108°, -103.668194°



FIGURE 4

APPENDIX A

CARMONA RESOURCES



**Table 1
EOG
Modelo 3 Fed Com #533H
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	11/4/2022	0-1	<50.0	3,150	<50.0	3,150	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	366
	"	1.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	356
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	792
	"	3.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	772
	"	4.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	164
T-2	11/4/2022	0-1	<49.9	1,650	<49.9	1,650	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,430
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	901
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	1,890
	"	3.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	2,950
	"	4.0	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	147
T-3	11/4/2022	0-1	<50.0	6,700	292	6,990	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	8,150
	"	1.5	<49.8	1,010	182	1,190	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	3,280
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	5,450
	"	3.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	421
T-4	11/4/2022	0-1	<50.0	476	389	865	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	3,540
T-5	11/4/2022	0-1	<49.9	358	102	460	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	5,360
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	4,070
T-6	11/4/2022	0-1	<49.9	1,760	532	2,290	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	14,600
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	107
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	20.5
	"	3.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	229
Regulatory Criteria^A						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed

^A - Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(T) Trench Sample

 Removed

**Table 1
EOG
Modelo 3 Fed Com #533H
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	11/4/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	15.6
H-2	11/4/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	15.2
H-3	11/4/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	15.4
H-4	11/4/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	16.3
H-5	11/4/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	16.5
H-6	11/4/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	17.3
H-7	11/4/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	14.6
H-8	11/4/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	16.9
H-9	11/4/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	15.5
H-10	11/4/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	19.1
Regulatory Criteria^A						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(H) Horizontal Sample

Table 2
EOG
Modelo 3 Fed Com #533H
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	8/4/2023	4.0	<50.3	<50.3	<50.3	<50.3	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	172
CS-2	8/21/2023	4.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	434
CS-3	8/4/2023	4.0	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	185
CS-4	8/4/2023	4.0	<50.4	<50.4	<50.4	<50.4	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	119
CS-5	8/4/2023	4.0	<50.4	<50.4	<50.4	<50.4	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	188
CS-6	8/4/2023	4.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	319
CS-7	8/4/2023	4.0	<49.6	<49.6	<49.6	<49.6	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	125
CS-8	8/21/2023	4.0	<50.4	89.8	<50.4	89.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	289
CS-9	8/4/2023	4.0	<50.5	<50.5	<50.5	<50.5	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	252
CS-10	8/15/2023	4.0	<49.6	<49.6	<49.6	<49.6	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	51.4
CS-11	8/4/2023	4.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	335
CS-12	8/4/2023	4.0	<49.9	62.9	<49.9	62.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	230
CS-13	8/4/2023	4.0	<50.3	235	<50.3	235	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	189
	8/10/2023	4.25	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	72.5
CS-14	8/4/2023	3.5	<49.7	91.8	<49.7	91.8	<0.00200	0.00232	<0.00200	<0.00399	<0.00399	470
CS-15	8/4/2023	3.5	<50.5	70.4	<50.5	70.4	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	222
CS-16	8/4/2023	3.5	<50.2	97.9	<50.2	97.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	377
CS-17	8/4/2023	3.5	<50.1	<50.1	<50.1	74.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	68.7
CS-18	8/4/2023	3.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	79.8
CS-19	8/14/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	126
CS-20	8/21/2023	3.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	35.9
Regulatory Criteria^A						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed

^A - Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(CS) Confirmation Sample

Removed

Table 2
EOG
Modelo 3 Fed Com #533H
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-21	8/4/2023	3.0	<50.4	<50.4	<50.4	<50.4	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	189	
CS-22	8/21/2023	3.0	<50.3	64.3	<50.3	64.3	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	26.3	
CS-23	8/4/2023	3.0	<50.5	104	<50.5	104	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	35.2	
	8/10/2023	3.25	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	55.2	
CS-24	8/4/2023	3.0	<50.5	61.0	<50.5	61.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	23.3	
CS-25	8/11/2023	2.0	<49.8	64.2	<49.8	64.2	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	81.1	
CS-26	8/21/2023	2.5	<50.3	<50.3	<50.3	<50.3	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	46.7	
CS-27	8/21/2023	2.5	<50.4	<50.4	<50.4	<50.4	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	69.6	
CS-28	8/21/2023	2.5	<50.4	<50.4	<50.4	<50.4	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	42.2	
CS-29	8/10/2023	2.0	<50.0	58.7	<50.0	58.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	300	
CS-30	8/21/2023	2.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	57.7	
CS-31	8/10/2023	2.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	98.1	
CS-32	8/10/2023	2.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	179	
CS-33	8/10/2023	2.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	309	
CS-34	8/10/2023	2.0	<50.3	71.9	<50.3	71.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	182	
CS-35	8/10/2023	2.0	<50.1	161	<50.1	161	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	500	
	8/15/2023	2.5	<10.0	47.3	14.0	61.3	<0.050	<0.050	<0.050	<0.150	<0.300	128	
CS-36	8/10/2023	2.0	<50.1	106	<50.1	106	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	956	
	8/15/2023	2.5	<10.0	54.2	19.8	74.0	<0.050	<0.050	<0.050	<0.150	<0.300	144	
CS-37	8/11/2023	2.0	<50.0	53.5	<50.0	53.5	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	481	
CS-38	8/14/2023	2.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	52.2	
CS-39	8/21/2023	2.5	<50.3	<50.3	<50.3	<50.3	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	64.0	
CS-40	8/21/2023	2.5	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	43.9	
<i>Regulatory Criteria^A</i>							100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed

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

TPH - Total Petroleum Hydrocarbons
ft - feet

(CS) Confirmation Sample

Removed

Table 2
EOG
Modelo 3 Fed Com #533H
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-41	8/11/2023	2.0	<49.8	70.1	<49.8	70.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	543
CS-42	8/21/2023	2.0	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	51.8
CS-43	8/14/2023	2.5	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	161
CS-44	8/14/2023	2.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	462
CS-45	8/14/2023	2.5	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	258
CS-46	8/10/2023	2.0	<50.5	590	<50.5	590	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	432
	8/21/2023	2.5	<10.0	49.9	16.9	66.8	<0.050	<0.050	<0.050	<0.150	<0.300	144
CS-47	8/21/2023	2.0	<50.4	<50.4	<50.4	<50.4	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	390
CS-48	8/21/2023	2.5	<50.3	95.5	<50.3	95.5	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	384
CS-49	8/14/2023	2.5	<50.4	<50.4	<50.4	<50.4	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	209
CS-50	8/21/2023	2.5	<50.1	<50.1	<50.1	<50.1	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	200
CS-51	8/14/2023	2.5	<50.4	<50.4	<50.4	<50.4	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	397
CS-52	8/14/2023	2.5	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	414
CS-53	8/14/2023	2.5	<50.1	<50.1	<50.1	<50.1	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	461
CS-54	8/14/2023	2.5	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	464
CS-55	8/14/2023	2.5	<50.4	53.3	<50.4	53.3	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	410
CS-56	8/14/2023	2.5	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	414
CS-57	8/14/2023	2.5	<49.7	<49.7	<49.7	74.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	434
CS-58	8/14/2023	2.5	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	499
CS-59	8/14/2023	2.5	<50.3	<50.3	<50.3	<50.3	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	525
CS-60	8/21/2023	2.0	<49.8	51.2	<49.8	51.2	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	349
Regulatory Criteria^A						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed

^A - Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(CS) Confirmation Sample

Removed

Table 2
EOG
Modelo 3 Fed Com #533H
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-61	8/10/2023	2.0	<49.6	54.7	<49.6	54.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	425
CS-62	8/21/2023	2.5	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	493
CS-63	8/10/2023	2.0	<50.4	<50.4	<50.4	<50.4	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	334
CS-64	8/10/2023	2.0	<50.1	162	<50.1	162	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	450
	8/15/2023	2.5	<10.0	155	26.3	181.3	<0.050	<0.050	<0.050	<0.150	<0.300	464
	8/16/2023	2.75	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	50.0
CS-65	8/10/2023	2.0	<49.7	99.3	<49.7	99.3	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	405
CS-66	8/14/2023	2.5	<50.5	54.7	<50.5	54.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	477
CS-67	8/21/2023	2.0	<50.0	79.8	<50.0	79.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	312
CS-68	8/10/2023	2.0	<50.3	<50.3	<50.3	<50.3	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	135
CS-69	8/15/2023	2.0	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	151
CS-70	8/11/2023	2.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	483
CS-71	8/11/2023	2.5	<50.5	<50.5	<50.5	<50.5	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	149
CS-72	8/11/2023	2.5	<50.5	<50.5	<50.5	<50.5	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	75.3
CS-73	8/11/2023	2.5	<50.0	51.8	<50.0	51.8	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	349
CS-74	8/11/2023	2.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	69.1
CS-75	8/11/2023	2.5	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	596
CS-76	8/11/2023	2.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	198
CS-77	8/11/2023	2.5	<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	386
CS-78	8/11/2023	2.5	<50.5	<50.5	<50.5	<50.5	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	366
CS-79	8/11/2023	2.5	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	207
CS-80	8/21/2023	2.75	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	77.8
Regulatory Criteria^A						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed

^A - Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(CS) Confirmation Sample

Removed

Table 2
EOG
Modelo 3 Fed Com #533H
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-81	8/11/2023	2.5	<49.7	<49.7	<49.7	<49.7	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	79.1
CS-82	8/21/2023	2.5	<49.6	93.0	<49.6	93.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	285
CS-83	8/11/2023	2.5	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	317
CS-84	8/11/2023	2.5	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	464
CS-85	8/11/2023	2.5	<50.3	<50.3	<50.3	<50.3	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	239
CS-86	8/11/2023	2.5	<50.4	<50.4	<50.4	<50.4	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	503
CS-87	8/11/2023	2.5	<50.5	<50.5	<50.5	<50.5	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	420
CS-88	8/21/2023	2.5	<49.6	<49.6	<49.6	<49.6	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	331
CS-89	8/11/2023	2.5	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	461
CS-90	8/15/2023	2.5	<49.5	54.5	<49.5	54.5	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	253
CS-91	8/11/2023	2.5	<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	579
CS-92	8/10/2023	1.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	302
CS-93	8/10/2023	1.5	<50.5	<50.5	<50.5	<50.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	371
CS-94	8/10/2023	1.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	406
CS-95	8/10/2023	1.5	<49.6	<49.6	<49.6	<49.6	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	74.7
CS-96	8/10/2023	1.5	<49.5	92.2	<49.5	92.2	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	278
CS-97	8/10/2023	1.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	96.5
CS-98	8/10/2023	1.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	74.6
CS-99	8/10/2023	1.5	<50.4	<50.4	<50.4	<50.4	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	94.4
CS-100	8/10/2023	1.5	<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	75.3
CS-101	8/21/2023	1.5	<50.1	<50.1	<50.1	<50.1	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	81.8
CS-102	8/10/2023	1.5	<50.4	<50.4	<50.4	<50.4	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	71.2
Regulatory Criteria^A						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed

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

Table 2
EOG
Modelo 3 Fed Com #533H
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-1	8/4/2023	4.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	161
SW-2	8/21/2023	4.0	<49.6	<49.6	<49.6	<49.6	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	213
SW-3	8/4/2023	4.0	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	242
SW-4	8/4/2023	4.0	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	137
SW-5	8/4/2023	4.0	<49.7	261	111	372	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	109
	8/10/2023	4.0	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	76.3
SW-6	8/21/2023	4.0	<50.3	362	59.3	421	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	191
	8/10/2023	4.0	<49.7	<49.7	<49.7	<49.7	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	90.9
SW-7	8/21/2023	3.5	<50.4	<50.4	<50.4	<50.4	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	179
SW-8	8/4/2023	3.5	<50.4	<50.4	<50.4	<50.4	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	311
SW-9	8/15/2023	3.5	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	136
SW-10	8/4/2023	0.5	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	374
SW-11	8/4/2023	0.5	<50.0	63.5	<50.0	63.5	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	381
SW-12	8/4/2023	0.5	<50.4	<50.4	<50.4	<50.4	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	82.9
SW-13	8/4/2023	3.0	<50.3	<50.3	<50.3	<50.3	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	113
SW-14	8/4/2023	3.0	<49.7	122	<49.7	122	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	440
	8/10/2023	3.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	51.6
SW-15	8/4/2023	0.5	<50.3	<50.3	<50.3	<50.3	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	50.8
SW-16	8/10/2023	2.0	<50.2	286	<50.2	74.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	267
	8/15/2023	2.0	<10.0	167	28.9	195.9	<0.050	<0.050	<0.050	<0.150	<0.300	224
	8/16/2023	2.0	<50.3	<50.3	<50.3	<50.3	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	43.7
SW-17	8/14/2023	2.0	<50.1	84.3	<50.1	84.3	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	517
SW-18	8/21/2023	2.0	<50.4	<50.4	<50.4	<50.4	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	144
SW-19	8/21/2023	2.0	<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	265
SW-20	8/14/2023	2.0	<49.7	<49.7	<49.7	<49.7	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	414
Regulatory Criteria^A						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed

^A - Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(SW) Sidewall Sample

Removed

Table 2
EOG
Modelo 3 Fed Com #533H
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-21	8/15/2023	2.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	407
SW-22	8/21/2023	1.5	<50.3	<50.3	<50.3	<50.3	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	83.2
SW-23	8/17/2023	1.5	<50.3	64.3	<50.3	64.3	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	327
SW-24	8/18/2023	1.5	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	380
SW-25	8/11/2023	2.5	<50.2	<50.2	<50.2	<50.2	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	220
SW-26	8/11/2023	2.5	<50.1	72.2	<50.1	72.2	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	165
SW-27	8/11/2023	2.5	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	420
SW-28	8/21/2023	2.5	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	49.3
SW-29	8/19/2023	2.0	<50.3	92.4	<50.3	92.4	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	327
SW-30	8/10/2023	0.5	<50.4	379	<50.4	379	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	421
	8/21/2023	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	432
<i>Regulatory Criteria^A</i>						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(SW) Sidewall Sample

Removed

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

EOG Resources, Inc

Photograph No. 1

Facility: Modelo 3 Fed Com #533H

County: Lea County, New Mexico

Description:

View West, area of CS-1 through CS-13.



Photograph No. 2

Facility: Modelo 3 Fed Com #533H

County: Lea County, New Mexico

Description:

View South, area of CS-14 through CS-24.



Photograph No. 3

Facility: Modelo 3 Fed Com #533H

County: Lea County, New Mexico

Description:

View Southwest, area of CS-25 through CS-42.



PHOTOGRAPHIC LOG

EOG Resources, Inc

Photograph No. 4

Facility: Modelo 3 Fed Com #533H

County: Lea County, New Mexico

Description:

View West, area of CS-43 through CS-69.



Photograph No. 5

Facility: Modelo 3 Fed Com #533H

County: Lea County, New Mexico

Description:

View South, area of CS-70 through CS-91



Photograph No. 6

Facility: Modelo 3 Fed Com #533H

County: Lea County, New Mexico

Description:

View Northeast, area of CS-92 through CS-102.



PHOTOGRAPHIC LOG

EOG Resources, Inc

Photograph No. 7

Facility: Modelo 3 Fed Com #533H

County: Lea County, New Mexico

Description: View West, backfilled area of CS-1 through CS-13.



Photograph No. 8

Facility: Modelo 3 Fed Com #533H

County: Lea County, New Mexico

Description: View West, backfilled area of CS-14 through CS-24.

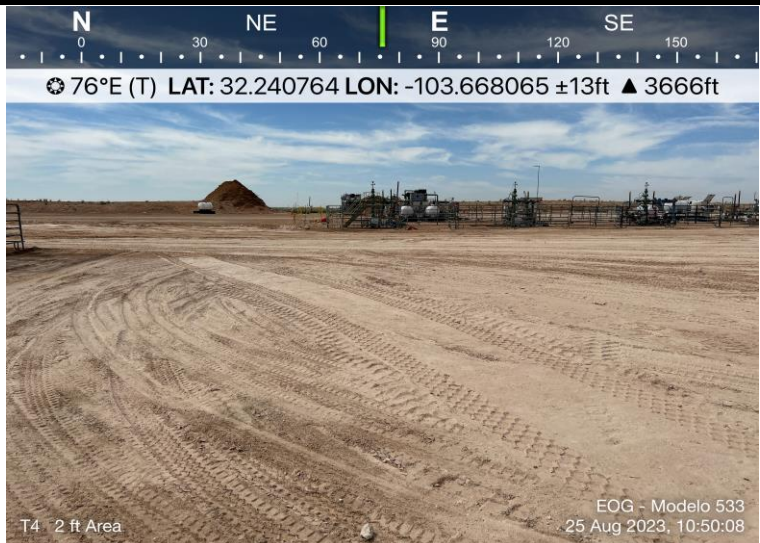


Photograph No. 9

Facility: Modelo 3 Fed Com #533H

County: Lea County, New Mexico

Description: View East, backfilled area of CS-25 through CS-42.



PHOTOGRAPHIC LOG

EOG Resources, Inc

Photograph No. 10

Facility: Modelo 3 Fed Com #533H

County: Lea County, New Mexico

Description:
View Southwest backfilled area of CS-43 through CS-69.



Photograph No. 11

Facility: Modelo 3 Fed Com #533H

County: Lea County, New Mexico

Description:
View North, backfilled area of CS-70 through CS-91



Photograph No. 12

Facility: Modelo 3 Fed Com #533H

County: Lea County, New Mexico

Description:
View Northeast, area of CS-92 through CS-102.



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	nAPP2224233813
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party EOG Resources	OGRID 7377
Contact Name Todd Wells	Contact Telephone (432) 686-3613
Contact email Todd_Wells@eogresources.com	Incident # (assigned by OCD) nAPP2224233813
Contact mailing address 5509 Champions Drive Midland, TX 79706	

Location of Release Source

Latitude 32.241109° Longitude -103.668048°
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Modelo 3 Fed Com #533H	Site Type Well Pad
Date Release Discovered 8/21/22	API# (if applicable) 30-025-47262

Unit Letter	Section	Township	Range	County
M	3	24S	32E	Lea

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 checked="" type="checkbox"/> Reuse Water	Volume Released (bbls) 15	Volume Recovered (bbls) 10
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" 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: During completions operations, the operator overfilled the water silo, causing it to overflow into containment. This released approximately 15 bbls of reuse water in containment and on the pad with 10 bbls recovered.

State of New Mexico
Oil Conservation Division

Page 2

Incident ID	NAPP2224233813
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 checked="" 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 checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" 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: <u>Todd Wells</u> Title: <u>Environmental Specialist</u> Signature: <u>Todd Wells</u> Date: <u>8/30/22</u> email: <u>Todd_Wells@eogresources.com</u> Telephone: <u>(432) 686-3613</u>
<u>OCD Only</u> Received by: <u>Jocelyn Harimon</u> Date: <u>08/30/2022</u>

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

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

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

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

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

CONDITIONS

Action 139347

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 139347
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	8/31/2022

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.

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: Todd Wells Date: 11/9/23

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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: Todd Wells Date: 11/9/23

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

From: Wells, Shelly, EMNRD
Sent: Tuesday, August 1, 2023 3:19 PM
To: Mike Carmona
Cc: Bratcher, Michael, EMNRD; Velez, Nelson, EMNRD
Subject: RE: [EXTERNAL] EOG Modelo 3 Fed Com #533H- Sampling Notification - Incident No.NAPP2224233813

Hi Mike,

The OCD has received your notification. 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.

Thank you,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Administrative Permitting Program
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive | Santa Fe, NM 87505
(505)469-7520 | Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

From: Mike Carmona <Mcarmona@carmonaresources.com>
Sent: Tuesday, August 1, 2023 1:09 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Conner Moehring <Cmoehring@carmonaresources.com>; Devin Dominguez <Ddominguez@carmonaresources.com>; Todd Wells <Todd_Wells@eogresources.com>
Subject: [EXTERNAL] EOG Modelo 3 Fed Com #533H- Sampling Notification - Incident No.NAPP2224233813

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

All,

This email serves as a notification for confirmation sampling on the EOG Modelo 3 Fed Com #533H. The remainder of Sampling is scheduled to begin on Friday, August 4th, around 8:00 a.m. Mountain Time and continuing through the following week. Carmona Resources personnel will be on-site to collect the confirmation samples.

Incident No. NAPP2224233813

Mike J. Carmona

310 West Wall Street, Suite 500
Midland TX, 79701
M: 432-813-1992
Mcarmona@carmonaresources.com

CARMONA RESOURCES



From: Todd Wells
Sent: Tuesday, March 21, 2023 2:47 PM
To: Mike Carmona
Subject: The Oil Conservation Division (OCD) has approved the application, Application ID: 193142

Mike,

The OCD approved the Modelo #533 work plan with the condition of 400 sq-foot sampling, see Jennifer's comments below. We still need to get estimates from some other contractors before we can start this one, but we do have 90 days from last Tuesday. I will get with James about contacts for the other contractors.

Thank you,

Todd

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Tuesday, March 14, 2023 5:09 PM
To: Todd Wells <Todd_Wells@eogresources.com>
Subject: The Oil Conservation Division (OCD) has approved the application, Application ID: 193142

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To whom it may concern (c/o Todd Wells for EOG RESOURCES INC),

The OCD has approved the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2224233813, with the following conditions:

- **Remediation Plan Approved with Conditions. Variance approved: composite confirmation samples will be collected from the bottom and sidewalls of the excavation from areas representing no more than four hundred (400) square feet.**

The signed C-141 can be found in the OCD Online: Imaging under the incident ID (n#).

If you have any questions regarding this application, please contact me.

Thank you,
Jennifer Nobui
Environmental Specialist-Advanced
505-470-3407
Jennifer.Nobui@emnrd.nm.gov

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: Todd Wells
Sent: Tuesday, June 20, 2023 7:25 PM
To: Mike Carmona
Subject: EOG - Modelo 3 Fed Com #533H

Mike,

Attached is the email for the approved extension of time for the Modelo 3 Fed Com #533H site in Lea County, NM until September 13, 2023. Please remind me the first week in July to check with the flowback foreman Pilar Rodriguez to ask when they will be finished with flowback. Then we can schedule this remediation and get it completed.

Thank you,

Todd


From: Todd Wells
Sent: Wednesday, June 14, 2023 12:05 PM
To: 'OCD.Enviro@emnrd.nm.gov' <OCD.Enviro@emnrd.nm.gov>
Subject: RE: EOG - Modelo 3 Fed Com #533H

Good Morning,

This correspondence is to request a ninety day extension of time from the OCD for the reuse water release at the EOG, Modelo 3 Fed Com #533H, Incident #nAPP2224233813, location in Lea County, New Mexico. Following the release, the completions operations continued for an extended period of weeks on the site for multiple operations on the same pad. This is a large pad that serves for numerous wells. Additional wells have been drilled on the pad and currently the completions operations and equipment at the site prevent access to begin the remediation. The completions operations are scheduled to continue four more weeks and conclude during July for the multiple wells. At the conclusion of the completions activities, we are scheduled to begin the remediation activities at the site, and take approximately three to four weeks to complete. The requested extension of time is to complete the remediation, write and submit the closure report. Please let us know if you have any questions regarding this site.

Thank you,

Todd Wells
Environmental Specialist
Midland Division

 **eog resources**
5509 Champions Drive
Midland, TX 79706

O: (432) 686-3613

C: (432) 312-7736

Todd_Wells@eogresources.com

APPENDIX D









CARMONA RESOURCES

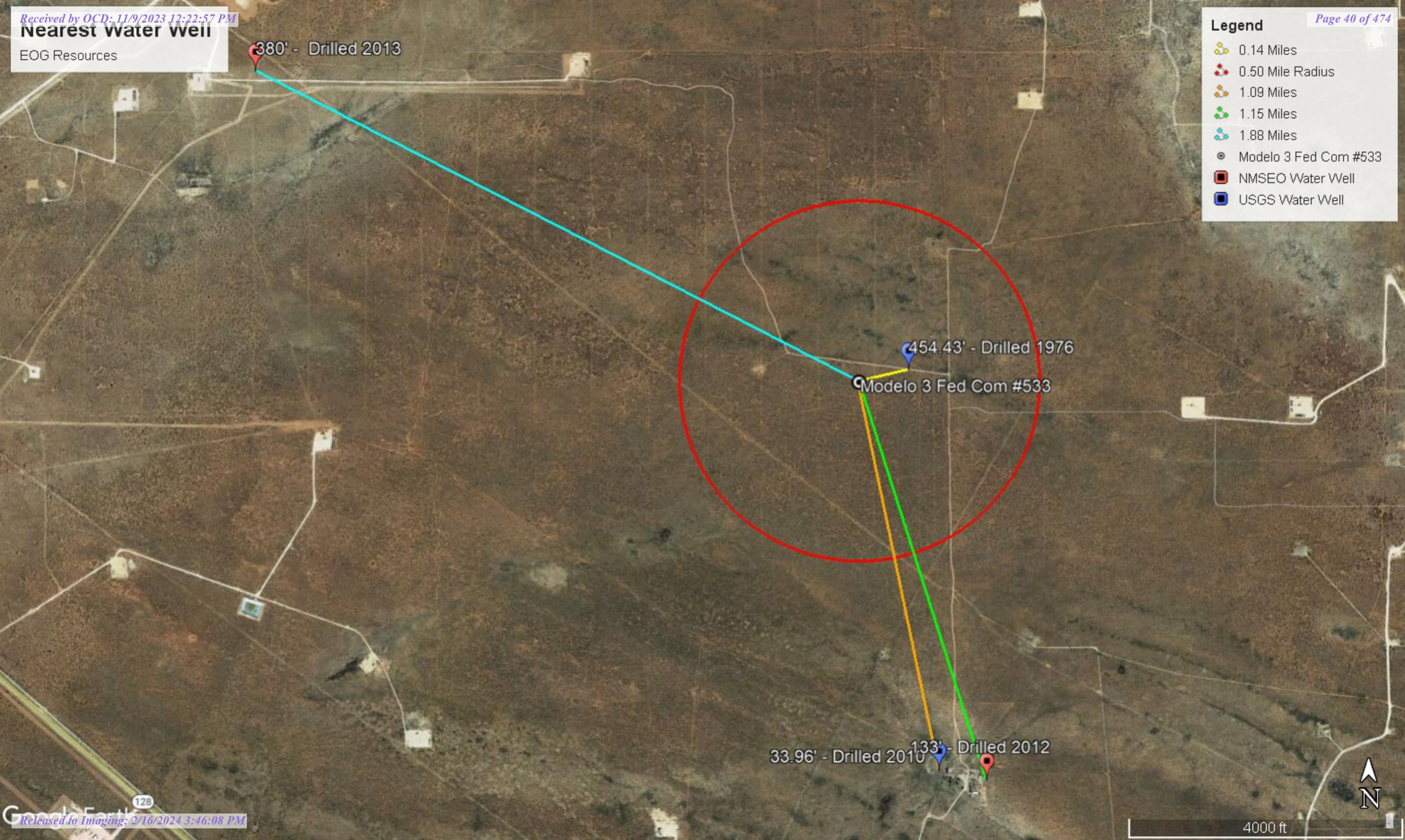


Nearest water well

EOG Resources

Legend

-  0.14 Miles
-  0.50 Mile Radius
-  1.09 Miles
-  1.15 Miles
-  1.88 Miles
-  Modelo 3 Fed Com #533
-  NMSEO Water Well
-  USGS Water Well



380' - Drilled 2013

454.43' - Drilled 1976

Modelo 3 Fed Com #533



33.96' - Drilled 2010

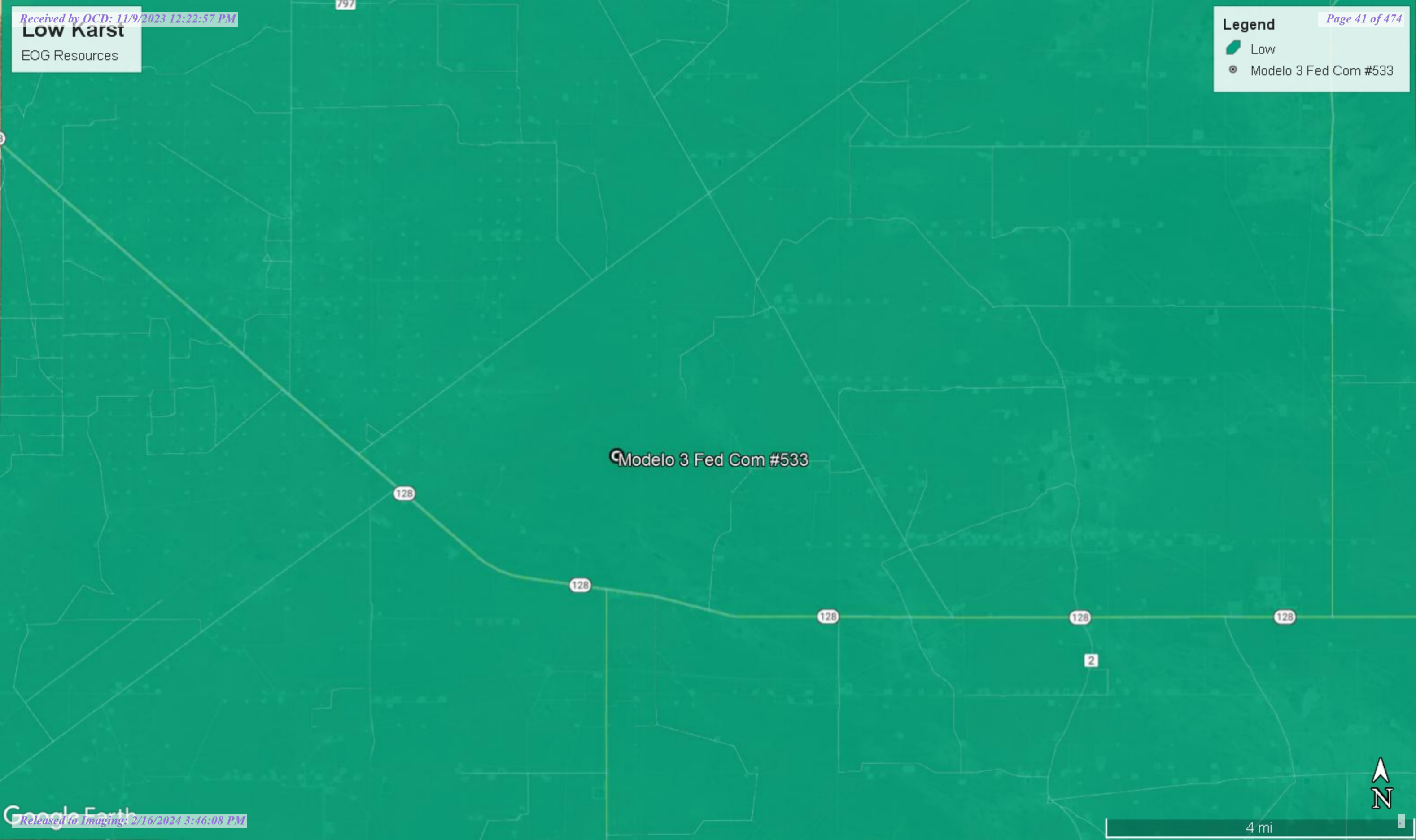
133' - Drilled 2012

LOW KARST

EOG Resources

Legend

-  Low
-  Modelo 3 Fed Com #533



4 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
C 03527 POD1	C	LE		1	2	3	03	24S	32E	625770	3568487	675	500		
C 02350	CUB	ED		4	3	10	24S	32E	625826	3566333*	1601	60			
C 03528 POD1	C	LE		1	1	2	15	24S	32E	626040	3566129	1856	541	133	408
C 03555 POD1	C	LE		2	2	1	05	24S	32E	622748	3569233	3019	600	380	220
C 01932	C	ED		3	1	12	24S	32E	628633	3567188*	3257	492			

Average Depth to Water: **256 feet**
 Minimum Depth: **133 feet**
 Maximum Depth: **380 feet**

Record Count: 5

UTMNAD83 Radius Search (in meters):

Easting (X): 625452.46

Northing (Y): 3567890.78

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.



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National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater Geographic Area: New Mexico GO

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

Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs
site_no list = 321428103395801

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

USGS 321428103395801 24S.32E.03.32124

Lea County, New Mexico
Latitude 32°14'28", Longitude 103°39'58" NAD27
Land-surface elevation 3,653 feet above NAVD88
The depth of the well is 550 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

Output formats

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

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	Status	Method of measurement	Measuring agency	Source measu
1976-01-22			D 62610		3196.84	NGVD29	1		Z	
1976-01-22			D 62611		3198.57	NAVD88	1		Z	
1976-01-22			D 72019	454.43			1		Z	

Explanation

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

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

- [Questions about sites/data?](#)
- [Feedback on this web site](#)
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Title: Groundwater for New Mexico: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>



Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2022-11-02 11:12:43 EDT

0.28 0.25 nadww02



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National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater Geographic Area: New Mexico GO

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

Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 321312103395601

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

USGS 321312103395601 24S.32E.10.344333

Lea County, New Mexico
Latitude 32°13'30.4", Longitude 103°39'52.7" NAD83
Land-surface elevation 3,589.00 feet above NGVD29
The depth of the well is 60 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	Status	Method of measurement	Measuring agency	Source measu
1950-04-13			D 62610		3555.36	NGVD29	1	Z		
1950-04-13			D 62611		3557.09	NAVD88	1	Z		
1950-04-13			D 72019	33.64			1	Z		
1955-06-03			D 62610		3557.10	NGVD29	P	Z		
1955-06-03			D 62611		3558.83	NAVD88	P	Z		
1955-06-03			D 72019	31.90			P	Z		
1976-01-22			D 62610		3557.20	NGVD29	1	Z		
1976-01-22			D 62611		3558.93	NAVD88	1	Z		
1976-01-22			D 72019	31.80			1	Z		
1981-03-20			D 62610		3569.07	NGVD29	1	Z		
1981-03-20			D 62611		3570.80	NAVD88	1	Z		
1981-03-20			D 72019	19.93			1	Z		

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1986-03-18		D	62610		3551.84	NGVD29	1	Z		
1986-03-18		D	62611		3553.57	NAVD88	1	Z		
1986-03-18		D	72019	37.16			1	Z		
1991-05-29		D	62610		3549.36	NGVD29	1	Z		
1991-05-29		D	62611		3551.09	NAVD88	1	Z		
1991-05-29		D	72019	39.64			1	Z		
1996-03-14		D	62610		3550.80	NGVD29	1	S		
1996-03-14		D	62611		3552.53	NAVD88	1	S		
1996-03-14		D	72019	38.20			1	S		
2001-02-27		D	62610		3552.42	NGVD29	1	S		
2001-02-27		D	62611		3554.15	NAVD88	1	S		
2001-02-27		D	72019	36.58			1	S		
2006-02-07	16:30 UTC	m	62610		3569.60	NGVD29	1	S		USGS
2006-02-07	16:30 UTC	m	62611		3571.33	NAVD88	1	S		USGS
2006-02-07	16:30 UTC	m	72019	19.40			1	S		USGS
2010-12-16	22:30 UTC	m	62610		3555.04	NGVD29	1	S		USGS
2010-12-16	22:30 UTC	m	62611		3556.77	NAVD88	1	S		USGS
2010-12-16	22:30 UTC	m	72019	33.96			1	S		USGS

Explanation

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

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Title: Groundwater for New Mexico: Water Levels

URL: [https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?](https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?site_no=321312103395601&agency_cd=USGS&format=html)



Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2022-11-02 11:14:45 EDT

0.31 0.27 nadww02



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)							
		(quarters are smallest to largest)						(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tw	Rng	X	Y
C	03528 POD1	1	1	2	15	24S	32E	626040	3566129

Driller License: 1682	Driller Company: HUNGRY HORSE, LLC.	
Driller Name: NORRIS, JOHN D. (LD)		
Drill Start Date: 02/20/2012	Drill Finish Date: 03/12/2012	Plug Date:
Log File Date: 04/30/2012	PCW Rev Date:	Source: Shallow
Pump Type: SUBMER	Pipe Discharge Size:	Estimated Yield:
Casing Size: 6.38	Depth Well: 541 feet	Depth Water: 133 feet

Water Bearing Stratifications:	Top	Bottom	Description
	133	152	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom	
	0	541	

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11/2/22 9:09 AM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)							
		(quarters are smallest to largest)						(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tw	Rng	X	Y
NA	C 03555 POD1	2	2	1	05	24S	32E	622748	3569233

Driller License: 1654	Driller Company: NOT WORKING FOR HIRE--SIRMAN DRILLING AND CONSTRUC	
Driller Name:		
Drill Start Date: 10/20/2013	Drill Finish Date: 10/21/2013	Plug Date:
Log File Date: 11/07/2013	PCW Rev Date:	Source: Shallow
Pump Type:	Pipe Discharge Size:	Estimated Yield: 5 GPM
Casing Size: 6.00	Depth Well: 600 feet	Depth Water: 380 feet

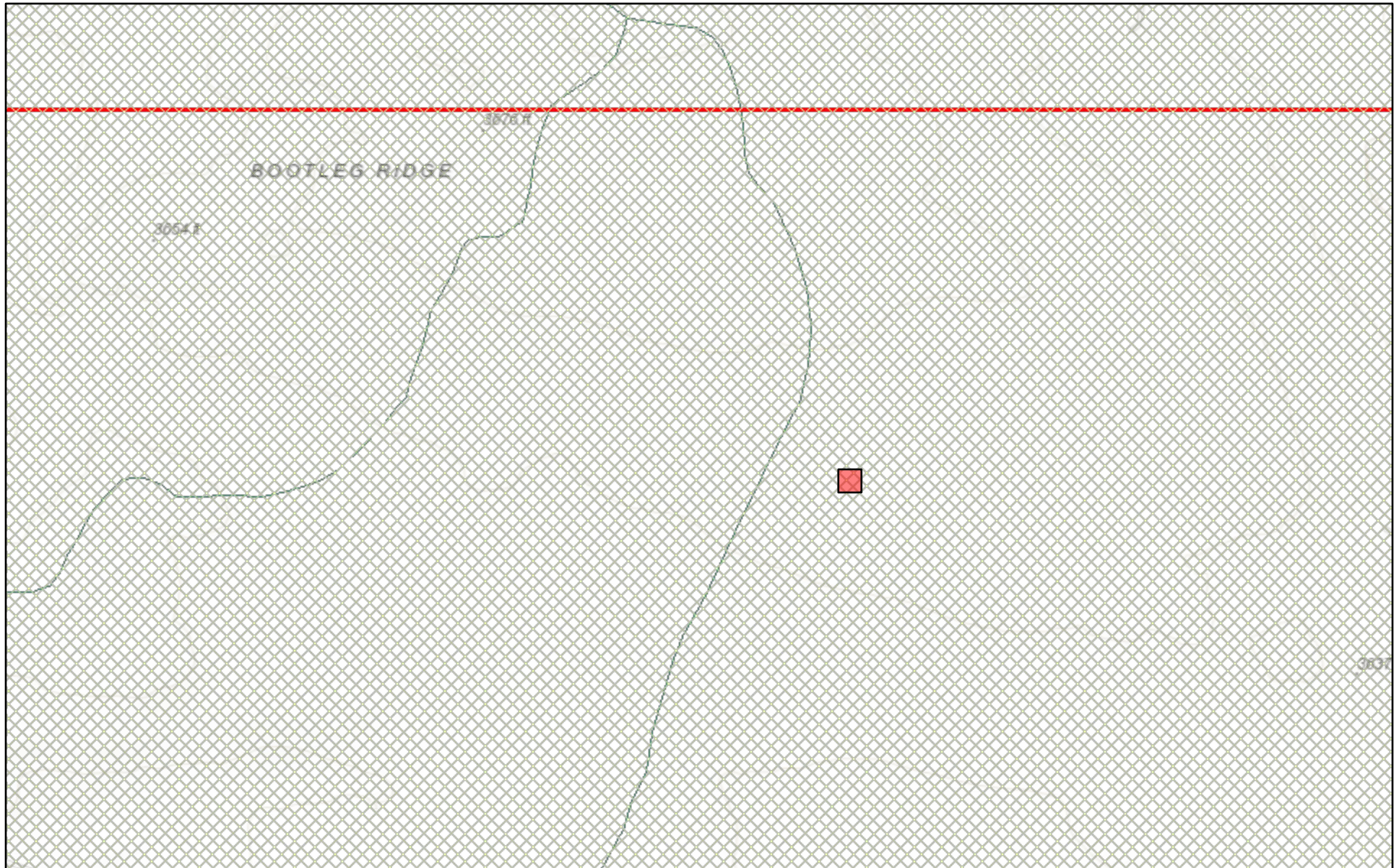
Water Bearing Stratifications:	Top	Bottom	Description
	475	550	Sandstone/Gravel/Conglomerate
<hr/>			
Casing Perforations:	Top	Bottom	
	460	520	

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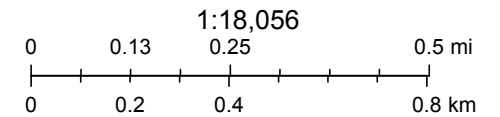
11/2/22 9:11 AM

POINT OF DIVERSION SUMMARY

New Mexico NFHL Data



November 2, 2022



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

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APPENDIX E

CARMONA RESOURCES





Environment Testing

ANALYTICAL REPORT

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-21184-1
Laboratory Sample Delivery Group: Lea County, New Mexico
Client Project/Site: Modelo 533 Release

For:
Carmona Resources
310 W Wall St
Ste 415
Midland, Texas 79701

Attn: Conner Moehring

Authorized for release by:
11/9/2022 1:25:24 PM
Jessica Kramer, Project Manager
(432)704-5440
Jessica.Kramer@et.eurofinsus.com



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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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.

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- 14

Client: Carmona Resources
Project/Site: Modelo 533 Release

Laboratory Job ID: 880-21184-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21184-1
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
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
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: Modelo 533 Release

Job ID: 880-21184-1
SDG: Lea County, New Mexico

Job ID: 880-21184-1

Laboratory: Eurofins Midland**Narrative****Job Narrative
880-21184-1****Receipt**

The samples were received on 11/7/2022 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 5.5°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: T-1 (0-1') (880-21184-1), T-1 (1.5') (880-21184-2), T-1 (2') (880-21184-3), T-1 (3') (880-21184-4), T-1 (4') (880-21184-5), T-2 (0-1') (880-21184-6), T-2 (1.5') (880-21184-7), T-2 (2') (880-21184-8), T-2 (3') (880-21184-9), T-2 (4') (880-21184-10), H-1 (0-0.5') (880-21184-11), H-2 (0-0.5') (880-21184-12), H-3 (0-0.5') (880-21184-13) and H-4 (0-0.5') (880-21184-14).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-38879 and analytical batch 880-38951 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-38871 and analytical batch 880-38798 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

HPLC/IC

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: Modelo 533 Release

Job ID: 880-21184-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-21184-1

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 09:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F2 F1	0.00200		mg/Kg		11/07/22 13:22	11/08/22 12:30	1
Toluene	<0.00200	U F2 F1	0.00200		mg/Kg		11/07/22 13:22	11/08/22 12:30	1
Ethylbenzene	<0.00200	U F1	0.00200		mg/Kg		11/07/22 13:22	11/08/22 12:30	1
m-Xylene & p-Xylene	<0.00401	U F2 F1	0.00401		mg/Kg		11/07/22 13:22	11/08/22 12:30	1
o-Xylene	<0.00200	U F1	0.00200		mg/Kg		11/07/22 13:22	11/08/22 12:30	1
Xylenes, Total	<0.00401	U F1	0.00401		mg/Kg		11/07/22 13:22	11/08/22 12:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	11/07/22 13:22	11/08/22 12:30	1
1,4-Difluorobenzene (Surr)	88		70 - 130	11/07/22 13:22	11/08/22 12:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			11/09/22 14:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	3150		50.0		mg/Kg			11/08/22 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	50.0		mg/Kg		11/07/22 11:47	11/07/22 21:11	1
Diesel Range Organics (Over C10-C28)	3150	F1	50.0		mg/Kg		11/07/22 11:47	11/07/22 21:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/07/22 21:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	11/07/22 11:47	11/07/22 21:11	1
o-Terphenyl	98		70 - 130	11/07/22 11:47	11/07/22 21:11	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	366		4.97		mg/Kg			11/09/22 02:47	1

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-21184-2

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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		11/07/22 13:22	11/08/22 12:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/07/22 13:22	11/08/22 12:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/07/22 13:22	11/08/22 12:56	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/07/22 13:22	11/08/22 12:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/07/22 13:22	11/08/22 12:56	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/07/22 13:22	11/08/22 12:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	11/07/22 13:22	11/08/22 12:56	1
1,4-Difluorobenzene (Surr)	91		70 - 130	11/07/22 13:22	11/08/22 12:56	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-21184-1
 SDG: Lea County, New Mexico

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-21184-2

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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			11/09/22 14:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/08/22 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/07/22 11:47	11/07/22 22:16	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/07/22 11:47	11/07/22 22:16	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/07/22 11:47	11/07/22 22:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	11/07/22 11:47	11/07/22 22:16	1
o-Terphenyl	91		70 - 130	11/07/22 11:47	11/07/22 22:16	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	356		4.96		mg/Kg			11/09/22 03:09	1

Client Sample ID: T-1 (2')

Lab Sample ID: 880-21184-3

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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		11/07/22 13:22	11/08/22 13:22	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/07/22 13:22	11/08/22 13:22	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/07/22 13:22	11/08/22 13:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/07/22 13:22	11/08/22 13:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/07/22 13:22	11/08/22 13:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/07/22 13:22	11/08/22 13:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	11/07/22 13:22	11/08/22 13:22	1
1,4-Difluorobenzene (Surr)	89		70 - 130	11/07/22 13:22	11/08/22 13:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/09/22 14:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/08/22 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/07/22 11:47	11/07/22 22:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/07/22 11:47	11/07/22 22:38	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-21184-1
 SDG: Lea County, New Mexico

Client Sample ID: T-1 (2')

Lab Sample ID: 880-21184-3

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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		11/07/22 11:47	11/07/22 22:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				11/07/22 11:47	11/07/22 22:38	1
o-Terphenyl	90		70 - 130				11/07/22 11:47	11/07/22 22:38	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	792		5.00		mg/Kg			11/09/22 03:16	1

Client Sample ID: T-1 (3')

Lab Sample ID: 880-21184-4

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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		11/07/22 13:22	11/08/22 13:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/07/22 13:22	11/08/22 13:48	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/07/22 13:22	11/08/22 13:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/07/22 13:22	11/08/22 13:48	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/07/22 13:22	11/08/22 13:48	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/07/22 13:22	11/08/22 13:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				11/07/22 13:22	11/08/22 13:48	1
1,4-Difluorobenzene (Surr)	90		70 - 130				11/07/22 13:22	11/08/22 13:48	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			11/09/22 14:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/08/22 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/07/22 22:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/07/22 22:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/07/22 22:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				11/07/22 11:47	11/07/22 22:59	1
o-Terphenyl	100		70 - 130				11/07/22 11:47	11/07/22 22:59	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	772		5.03		mg/Kg			11/09/22 03:23	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-21184-1
 SDG: Lea County, New Mexico

Client Sample ID: T-1 (4')

Lab Sample ID: 880-21184-5

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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		11/07/22 13:22	11/08/22 14:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/07/22 13:22	11/08/22 14:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/07/22 13:22	11/08/22 14:14	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/07/22 13:22	11/08/22 14:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/07/22 13:22	11/08/22 14:14	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/07/22 13:22	11/08/22 14:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	11/07/22 13:22	11/08/22 14:14	1
1,4-Difluorobenzene (Surr)	94		70 - 130	11/07/22 13:22	11/08/22 14:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/09/22 14:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/08/22 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/07/22 23:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/07/22 23:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/07/22 23:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	11/07/22 11:47	11/07/22 23:21	1
o-Terphenyl	83		70 - 130	11/07/22 11:47	11/07/22 23:21	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	164		5.05		mg/Kg			11/09/22 03:31	1

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

Lab Sample ID: 880-21184-6

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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		11/07/22 13:22	11/08/22 14:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/07/22 13:22	11/08/22 14:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/07/22 13:22	11/08/22 14:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/07/22 13:22	11/08/22 14:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/07/22 13:22	11/08/22 14:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/07/22 13:22	11/08/22 14:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	11/07/22 13:22	11/08/22 14:40	1
1,4-Difluorobenzene (Surr)	94		70 - 130	11/07/22 13:22	11/08/22 14:40	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-21184-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-21184-6

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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			11/09/22 14:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1650		49.9		mg/Kg			11/08/22 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/07/22 11:47	11/07/22 23:43	1
Diesel Range Organics (Over C10-C28)	1650		49.9		mg/Kg		11/07/22 11:47	11/07/22 23:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/07/22 11:47	11/07/22 23:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				11/07/22 11:47	11/07/22 23:43	1
o-Terphenyl	87		70 - 130				11/07/22 11:47	11/07/22 23:43	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2430		25.1		mg/Kg			11/09/22 03:53	5

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-21184-7

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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		11/07/22 13:22	11/08/22 15:06	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/07/22 13:22	11/08/22 15:06	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/07/22 13:22	11/08/22 15:06	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/07/22 13:22	11/08/22 15:06	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/07/22 13:22	11/08/22 15:06	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/07/22 13:22	11/08/22 15:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				11/07/22 13:22	11/08/22 15:06	1
1,4-Difluorobenzene (Surr)	92		70 - 130				11/07/22 13:22	11/08/22 15:06	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			11/09/22 14:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/08/22 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/07/22 11:47	11/08/22 00:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/07/22 11:47	11/08/22 00:04	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-21184-1
 SDG: Lea County, New Mexico

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-21184-7

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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		11/07/22 11:47	11/08/22 00:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				11/07/22 11:47	11/08/22 00:04	1
o-Terphenyl	94		70 - 130				11/07/22 11:47	11/08/22 00:04	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	901		4.98		mg/Kg			11/09/22 04:00	1

Client Sample ID: T-2 (2')

Lab Sample ID: 880-21184-8

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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		11/07/22 13:22	11/08/22 15:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/07/22 13:22	11/08/22 15:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/07/22 13:22	11/08/22 15:32	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/07/22 13:22	11/08/22 15:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/07/22 13:22	11/08/22 15:32	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/07/22 13:22	11/08/22 15:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				11/07/22 13:22	11/08/22 15:32	1
1,4-Difluorobenzene (Surr)	97		70 - 130				11/07/22 13:22	11/08/22 15:32	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			11/09/22 14:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/08/22 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/07/22 11:47	11/08/22 00:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/07/22 11:47	11/08/22 00:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/07/22 11:47	11/08/22 00:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				11/07/22 11:47	11/08/22 00:25	1
o-Terphenyl	92		70 - 130				11/07/22 11:47	11/08/22 00:25	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1890		24.9		mg/Kg			11/09/22 04:07	5

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-21184-1
 SDG: Lea County, New Mexico

Client Sample ID: T-2 (3')

Lab Sample ID: 880-21184-9

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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		11/07/22 13:22	11/08/22 15:58	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/07/22 13:22	11/08/22 15:58	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/07/22 13:22	11/08/22 15:58	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/07/22 13:22	11/08/22 15:58	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/07/22 13:22	11/08/22 15:58	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/07/22 13:22	11/08/22 15:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	11/07/22 13:22	11/08/22 15:58	1
1,4-Difluorobenzene (Surr)	84		70 - 130	11/07/22 13:22	11/08/22 15:58	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			11/09/22 14:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/08/22 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/08/22 00:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/08/22 00:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/08/22 00:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130	11/07/22 11:47	11/08/22 00:46	1
o-Terphenyl	108		70 - 130	11/07/22 11:47	11/08/22 00:46	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2950		25.1		mg/Kg			11/09/22 04:14	5

Client Sample ID: T-2 (4')

Lab Sample ID: 880-21184-10

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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		11/07/22 13:22	11/08/22 16:24	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/07/22 13:22	11/08/22 16:24	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/07/22 13:22	11/08/22 16:24	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		11/07/22 13:22	11/08/22 16:24	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/07/22 13:22	11/08/22 16:24	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		11/07/22 13:22	11/08/22 16:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	11/07/22 13:22	11/08/22 16:24	1
1,4-Difluorobenzene (Surr)	94		70 - 130	11/07/22 13:22	11/08/22 16:24	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-21184-1
 SDG: Lea County, New Mexico

Client Sample ID: T-2 (4')

Lab Sample ID: 880-21184-10

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 09:05

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			11/09/22 14:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/08/22 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/07/22 11:47	11/08/22 01:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/07/22 11:47	11/08/22 01:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/07/22 11:47	11/08/22 01:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				11/07/22 11:47	11/08/22 01:08	1
o-Terphenyl	84		70 - 130				11/07/22 11:47	11/08/22 01:08	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	147		4.98		mg/Kg			11/09/22 04:21	1

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

Lab Sample ID: 880-21184-11

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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		11/07/22 13:22	11/08/22 18:09	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/07/22 13:22	11/08/22 18:09	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/07/22 13:22	11/08/22 18:09	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/07/22 13:22	11/08/22 18:09	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/07/22 13:22	11/08/22 18:09	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/07/22 13:22	11/08/22 18:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				11/07/22 13:22	11/08/22 18:09	1
1,4-Difluorobenzene (Surr)	82		70 - 130				11/07/22 13:22	11/08/22 18:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/09/22 14:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/08/22 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/08/22 01:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/08/22 01:50	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-21184-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-21184-11

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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		11/07/22 11:47	11/08/22 01:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				11/07/22 11:47	11/08/22 01:50	1
o-Terphenyl	91		70 - 130				11/07/22 11:47	11/08/22 01:50	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.6		5.03		mg/Kg			11/09/22 04:29	1

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

Lab Sample ID: 880-21184-12

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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		11/07/22 13:22	11/08/22 18:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/07/22 13:22	11/08/22 18:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/07/22 13:22	11/08/22 18:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/07/22 13:22	11/08/22 18:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/07/22 13:22	11/08/22 18:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/07/22 13:22	11/08/22 18:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				11/07/22 13:22	11/08/22 18:35	1
1,4-Difluorobenzene (Surr)	115		70 - 130				11/07/22 13:22	11/08/22 18:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/09/22 14:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/08/22 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/08/22 02:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/08/22 02:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/08/22 02:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				11/07/22 11:47	11/08/22 02:11	1
o-Terphenyl	89		70 - 130				11/07/22 11:47	11/08/22 02:11	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.2		5.02		mg/Kg			11/09/22 04:50	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-21184-1
 SDG: Lea County, New Mexico

Client Sample ID: H-3 (0-0.5')

Lab Sample ID: 880-21184-13

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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		11/07/22 13:22	11/08/22 19:01	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/07/22 13:22	11/08/22 19:01	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/07/22 13:22	11/08/22 19:01	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/07/22 13:22	11/08/22 19:01	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/07/22 13:22	11/08/22 19:01	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/07/22 13:22	11/08/22 19:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	11/07/22 13:22	11/08/22 19:01	1
1,4-Difluorobenzene (Surr)	89		70 - 130	11/07/22 13:22	11/08/22 19:01	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			11/09/22 14:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/08/22 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/08/22 02:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/08/22 02:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/08/22 02:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	11/07/22 11:47	11/08/22 02:33	1
o-Terphenyl	86		70 - 130	11/07/22 11:47	11/08/22 02:33	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.4		5.04		mg/Kg			11/09/22 04:57	1

Client Sample ID: H-4 (0-0.5')

Lab Sample ID: 880-21184-14

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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		11/07/22 13:22	11/08/22 19:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/07/22 13:22	11/08/22 19:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/07/22 13:22	11/08/22 19:27	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/07/22 13:22	11/08/22 19:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/07/22 13:22	11/08/22 19:27	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/07/22 13:22	11/08/22 19:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	11/07/22 13:22	11/08/22 19:27	1
1,4-Difluorobenzene (Surr)	85		70 - 130	11/07/22 13:22	11/08/22 19:27	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-21184-1
 SDG: Lea County, New Mexico

Client Sample ID: H-4 (0-0.5')

Lab Sample ID: 880-21184-14

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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			11/09/22 14:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/09/22 09:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/07/22 10:40	11/08/22 18:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/07/22 10:40	11/08/22 18:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 10:40	11/08/22 18:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				11/07/22 10:40	11/08/22 18:24	1
o-Terphenyl	90		70 - 130				11/07/22 10:40	11/08/22 18:24	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.3		4.97		mg/Kg			11/09/22 05:19	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21184-1
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)
880-21184-1	T-1 (0-1')	101	88
880-21184-1 MS	T-1 (0-1')	85	78
880-21184-1 MSD	T-1 (0-1')	90	91
880-21184-2	T-1 (1.5')	106	91
880-21184-3	T-1 (2')	107	89
880-21184-4	T-1 (3')	108	90
880-21184-5	T-1 (4')	105	94
880-21184-6	T-2 (0-1')	91	94
880-21184-7	T-2 (1.5')	110	92
880-21184-8	T-2 (2')	116	97
880-21184-9	T-2 (3')	114	84
880-21184-10	T-2 (4')	115	94
880-21184-11	H-1 (0-0.5')	101	82
880-21184-12	H-2 (0-0.5')	110	115
880-21184-13	H-3 (0-0.5')	101	89
880-21184-14	H-4 (0-0.5')	96	85
LCS 880-38879/1-A	Lab Control Sample	100	97
LCSD 880-38879/2-A	Lab Control Sample Dup	104	105
MB 880-38879/5-A	Method Blank	71	83

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)
880-21183-A-1-C MS	Matrix Spike	99	93
880-21183-A-1-D MSD	Matrix Spike Duplicate	98	91
880-21184-1	T-1 (0-1')	104	98
880-21184-1 MS	T-1 (0-1')	98	80
880-21184-1 MSD	T-1 (0-1')	85	80
880-21184-2	T-1 (1.5')	98	91
880-21184-3	T-1 (2')	98	90
880-21184-4	T-1 (3')	108	100
880-21184-5	T-1 (4')	89	83
880-21184-6	T-2 (0-1')	95	87
880-21184-7	T-2 (1.5')	98	94
880-21184-8	T-2 (2')	100	92
880-21184-9	T-2 (3')	114	108
880-21184-10	T-2 (4')	90	84
880-21184-11	H-1 (0-0.5')	99	91
880-21184-12	H-2 (0-0.5')	96	89
880-21184-13	H-3 (0-0.5')	96	86
880-21184-14	H-4 (0-0.5')	90	90
LCS 880-38848/2-A	Lab Control Sample	105	113
LCS 880-38871/2-A	Lab Control Sample	100	98

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Surrogate Summary

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21184-1
SDG: Lea County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
LCSD 880-38848/3-A	Lab Control Sample Dup	90	95
LCSD 880-38871/3-A	Lab Control Sample Dup	120	99
MB 880-38848/1-A	Method Blank	108	116
MB 880-38871/1-A	Method Blank	115	111

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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

QC Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-21184-1
 SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-38879/5-A
 Matrix: Solid
 Analysis Batch: 38951

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 38879

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/07/22 13:22	11/08/22 12:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/07/22 13:22	11/08/22 12:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/07/22 13:22	11/08/22 12:04	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/07/22 13:22	11/08/22 12:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/07/22 13:22	11/08/22 12:04	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/07/22 13:22	11/08/22 12:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	71		70 - 130	11/07/22 13:22	11/08/22 12:04	1
1,4-Difluorobenzene (Surr)	83		70 - 130	11/07/22 13:22	11/08/22 12:04	1

Lab Sample ID: LCS 880-38879/1-A
 Matrix: Solid
 Analysis Batch: 38951

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 38879

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09770		mg/Kg		98	70 - 130
Toluene	0.100	0.08450		mg/Kg		85	70 - 130
Ethylbenzene	0.100	0.09055		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	0.200	0.1839		mg/Kg		92	70 - 130
o-Xylene	0.100	0.09137		mg/Kg		91	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: LCSD 880-38879/2-A
 Matrix: Solid
 Analysis Batch: 38951

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 38879

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.08845		mg/Kg		88	70 - 130	10	35
Toluene	0.100	0.07938		mg/Kg		79	70 - 130	6	35
Ethylbenzene	0.100	0.08151		mg/Kg		82	70 - 130	10	35
m-Xylene & p-Xylene	0.200	0.1653		mg/Kg		83	70 - 130	11	35
o-Xylene	0.100	0.08686		mg/Kg		87	70 - 130	5	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 880-21184-1 MS
 Matrix: Solid
 Analysis Batch: 38951

Client Sample ID: T-1 (0-1')
 Prep Type: Total/NA
 Prep Batch: 38879

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F2 F1	0.100	0.02005	F1	mg/Kg		20	70 - 130
Toluene	<0.00200	U F2 F1	0.100	0.01536	F1	mg/Kg		15	70 - 130

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QC Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-21184-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-21184-1 MS
 Matrix: Solid
 Analysis Batch: 38951

Client Sample ID: T-1 (0-1')
 Prep Type: Total/NA
 Prep Batch: 38879

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier		Result	Qualifier				
Ethylbenzene	<0.00200	U F1	0.100	0.01384	F1	mg/Kg		14	70 - 130
m-Xylene & p-Xylene	<0.00401	U F2 F1	0.200	0.01902	F1	mg/Kg		9	70 - 130
o-Xylene	<0.00200	U F1	0.100	0.01517	F1	mg/Kg		15	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	85		70 - 130
1,4-Difluorobenzene (Surr)	78		70 - 130

Lab Sample ID: 880-21184-1 MSD
 Matrix: Solid
 Analysis Batch: 38951

Client Sample ID: T-1 (0-1')
 Prep Type: Total/NA
 Prep Batch: 38879

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier		Result	Qualifier						
Benzene	<0.00200	U F2 F1	0.101	0.03420	F2 F1	mg/Kg		34	70 - 130	52	35
Toluene	<0.00200	U F2 F1	0.101	0.02308	F2 F1	mg/Kg		23	70 - 130	40	35
Ethylbenzene	<0.00200	U F1	0.101	0.01966	F1	mg/Kg		20	70 - 130	35	35
m-Xylene & p-Xylene	<0.00401	U F2 F1	0.202	0.02899	F2 F1	mg/Kg		14	70 - 130	42	35
o-Xylene	<0.00200	U F1	0.101	0.01890	F1	mg/Kg		19	70 - 130	22	35

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	90		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

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

Lab Sample ID: MB 880-38848/1-A
 Matrix: Solid
 Analysis Batch: 38949

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 38848

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		11/07/22 10:40	11/08/22 08:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/07/22 10:40	11/08/22 08:45	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 10:40	11/08/22 08:45	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	108		70 - 130	11/07/22 10:40	11/08/22 08:45	1
o-Terphenyl	116		70 - 130	11/07/22 10:40	11/08/22 08:45	1

Lab Sample ID: LCS 880-38848/2-A
 Matrix: Solid
 Analysis Batch: 38949

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 38848

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	1000	866.4		mg/Kg		87	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1060		mg/Kg		106	70 - 130

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QC Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-21184-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-38848/2-A
Matrix: Solid
Analysis Batch: 38949

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 38848

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	105		70 - 130
o-Terphenyl	113		70 - 130

Lab Sample ID: LCSD 880-38848/3-A
Matrix: Solid
Analysis Batch: 38949

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 38848

Analyte	Spike Added	LCSD		Unit	D	%Rec	%Rec		RPD	Limit
		Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	1000	1020		mg/Kg		102	70 - 130	16	20	
Diesel Range Organics (Over C10-C28)	1000	890.6		mg/Kg		89	70 - 130	17	20	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	90		70 - 130
o-Terphenyl	95		70 - 130

Lab Sample ID: 880-21183-A-1-C MS
Matrix: Solid
Analysis Batch: 38949

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 38848

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	%Rec	
				Result	Qualifier				Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	921.8		mg/Kg		90	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U	997	1047		mg/Kg		103	70 - 130	

Surrogate	MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	99		70 - 130
o-Terphenyl	93		70 - 130

Lab Sample ID: 880-21183-A-1-D MSD
Matrix: Solid
Analysis Batch: 38949

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 38848

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	964.9		mg/Kg		94	70 - 130	5	20	
Diesel Range Organics (Over C10-C28)	<50.0	U	999	1043		mg/Kg		103	70 - 130	0	20	

Surrogate	MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	98		70 - 130
o-Terphenyl	91		70 - 130

QC Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-21184-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-38871/1-A
 Matrix: Solid
 Analysis Batch: 38798

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 38871

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		11/07/22 11:47	11/07/22 20:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/07/22 20:06	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/07/22 20:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130	11/07/22 11:47	11/07/22 20:06	1
o-Terphenyl	111		70 - 130	11/07/22 11:47	11/07/22 20:06	1

Lab Sample ID: LCS 880-38871/2-A
 Matrix: Solid
 Analysis Batch: 38798

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 38871

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	824.5		mg/Kg		82	70 - 130
Diesel Range Organics (Over C10-C28)	1000	900.5		mg/Kg		90	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	98		70 - 130

Lab Sample ID: LCSD 880-38871/3-A
 Matrix: Solid
 Analysis Batch: 38798

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 38871

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	809.3		mg/Kg		81	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	903.5		mg/Kg		90	70 - 130	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	120		70 - 130
o-Terphenyl	99		70 - 130

Lab Sample ID: 880-21184-1 MS
 Matrix: Solid
 Analysis Batch: 38798

Client Sample ID: T-1 (0-1')
 Prep Type: Total/NA
 Prep Batch: 38871

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	997	669.3	F1	mg/Kg		67	70 - 130
Diesel Range Organics (Over C10-C28)	3150	F1	997	3119	F1	mg/Kg		-3	70 - 130

QC Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-21184-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-21184-1 MS
 Matrix: Solid
 Analysis Batch: 38798

Client Sample ID: T-1 (0-1')
 Prep Type: Total/NA
 Prep Batch: 38871

Surrogate	%Recovery	MS MS Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	80		70 - 130

Lab Sample ID: 880-21184-1 MSD
 Matrix: Solid
 Analysis Batch: 38798

Client Sample ID: T-1 (0-1')
 Prep Type: Total/NA
 Prep Batch: 38871

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	999	689.0	F1	mg/Kg		69	70 - 130	3	20	
Diesel Range Organics (Over C10-C28)	3150	F1	999	3106	F1	mg/Kg		-4	70 - 130	0	20	

Surrogate	%Recovery	MSD MSD Qualifier	Limits
1-Chlorooctane	85		70 - 130
o-Terphenyl	80		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-38847/1-A
 Matrix: Solid
 Analysis Batch: 38928

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			11/09/22 02:26	1

Lab Sample ID: LCS 880-38847/2-A
 Matrix: Solid
 Analysis Batch: 38928

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	259.8		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-38847/3-A
 Matrix: Solid
 Analysis Batch: 38928

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Chloride	250	259.0		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 880-21184-1 MS
 Matrix: Solid
 Analysis Batch: 38928

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	366		249	616.4		mg/Kg		101	90 - 110

Eurofins Midland

QC Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-21184-1
 SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-21184-1 MSD
Matrix: Solid
Analysis Batch: 38928

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	366		249	597.4		mg/Kg		93	90 - 110	3	20

Lab Sample ID: 880-21184-11 MS
Matrix: Solid
Analysis Batch: 38928

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	15.6		252	265.8		mg/Kg		99	90 - 110		

Lab Sample ID: 880-21184-11 MSD
Matrix: Solid
Analysis Batch: 38928

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	15.6		252	263.1		mg/Kg		98	90 - 110	1	20

QC Association Summary

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-21184-1
 SDG: Lea County, New Mexico

GC VOA

Prep Batch: 38879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21184-1	T-1 (0-1')	Total/NA	Solid	5035	
880-21184-2	T-1 (1.5')	Total/NA	Solid	5035	
880-21184-3	T-1 (2')	Total/NA	Solid	5035	
880-21184-4	T-1 (3')	Total/NA	Solid	5035	
880-21184-5	T-1 (4')	Total/NA	Solid	5035	
880-21184-6	T-2 (0-1')	Total/NA	Solid	5035	
880-21184-7	T-2 (1.5')	Total/NA	Solid	5035	
880-21184-8	T-2 (2')	Total/NA	Solid	5035	
880-21184-9	T-2 (3')	Total/NA	Solid	5035	
880-21184-10	T-2 (4')	Total/NA	Solid	5035	
880-21184-11	H-1 (0-0.5')	Total/NA	Solid	5035	
880-21184-12	H-2 (0-0.5')	Total/NA	Solid	5035	
880-21184-13	H-3 (0-0.5')	Total/NA	Solid	5035	
880-21184-14	H-4 (0-0.5')	Total/NA	Solid	5035	
MB 880-38879/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-38879/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-38879/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-21184-1 MS	T-1 (0-1')	Total/NA	Solid	5035	
880-21184-1 MSD	T-1 (0-1')	Total/NA	Solid	5035	

Analysis Batch: 38951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21184-1	T-1 (0-1')	Total/NA	Solid	8021B	38879
880-21184-2	T-1 (1.5')	Total/NA	Solid	8021B	38879
880-21184-3	T-1 (2')	Total/NA	Solid	8021B	38879
880-21184-4	T-1 (3')	Total/NA	Solid	8021B	38879
880-21184-5	T-1 (4')	Total/NA	Solid	8021B	38879
880-21184-6	T-2 (0-1')	Total/NA	Solid	8021B	38879
880-21184-7	T-2 (1.5')	Total/NA	Solid	8021B	38879
880-21184-8	T-2 (2')	Total/NA	Solid	8021B	38879
880-21184-9	T-2 (3')	Total/NA	Solid	8021B	38879
880-21184-10	T-2 (4')	Total/NA	Solid	8021B	38879
880-21184-11	H-1 (0-0.5')	Total/NA	Solid	8021B	38879
880-21184-12	H-2 (0-0.5')	Total/NA	Solid	8021B	38879
880-21184-13	H-3 (0-0.5')	Total/NA	Solid	8021B	38879
880-21184-14	H-4 (0-0.5')	Total/NA	Solid	8021B	38879
MB 880-38879/5-A	Method Blank	Total/NA	Solid	8021B	38879
LCS 880-38879/1-A	Lab Control Sample	Total/NA	Solid	8021B	38879
LCSD 880-38879/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	38879
880-21184-1 MS	T-1 (0-1')	Total/NA	Solid	8021B	38879
880-21184-1 MSD	T-1 (0-1')	Total/NA	Solid	8021B	38879

Analysis Batch: 39119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21184-1	T-1 (0-1')	Total/NA	Solid	Total BTEX	
880-21184-2	T-1 (1.5')	Total/NA	Solid	Total BTEX	
880-21184-3	T-1 (2')	Total/NA	Solid	Total BTEX	
880-21184-4	T-1 (3')	Total/NA	Solid	Total BTEX	
880-21184-5	T-1 (4')	Total/NA	Solid	Total BTEX	
880-21184-6	T-2 (0-1')	Total/NA	Solid	Total BTEX	
880-21184-7	T-2 (1.5')	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21184-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Analysis Batch: 39119 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21184-8	T-2 (2')	Total/NA	Solid	Total BTEX	
880-21184-9	T-2 (3')	Total/NA	Solid	Total BTEX	
880-21184-10	T-2 (4')	Total/NA	Solid	Total BTEX	
880-21184-11	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-21184-12	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-21184-13	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-21184-14	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 38798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21184-1	T-1 (0-1')	Total/NA	Solid	8015B NM	38871
880-21184-2	T-1 (1.5')	Total/NA	Solid	8015B NM	38871
880-21184-3	T-1 (2')	Total/NA	Solid	8015B NM	38871
880-21184-4	T-1 (3')	Total/NA	Solid	8015B NM	38871
880-21184-5	T-1 (4')	Total/NA	Solid	8015B NM	38871
880-21184-6	T-2 (0-1')	Total/NA	Solid	8015B NM	38871
880-21184-7	T-2 (1.5')	Total/NA	Solid	8015B NM	38871
880-21184-8	T-2 (2')	Total/NA	Solid	8015B NM	38871
880-21184-9	T-2 (3')	Total/NA	Solid	8015B NM	38871
880-21184-10	T-2 (4')	Total/NA	Solid	8015B NM	38871
880-21184-11	H-1 (0-0.5')	Total/NA	Solid	8015B NM	38871
880-21184-12	H-2 (0-0.5')	Total/NA	Solid	8015B NM	38871
880-21184-13	H-3 (0-0.5')	Total/NA	Solid	8015B NM	38871
MB 880-38871/1-A	Method Blank	Total/NA	Solid	8015B NM	38871
LCS 880-38871/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	38871
LCSD 880-38871/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	38871
880-21184-1 MS	T-1 (0-1')	Total/NA	Solid	8015B NM	38871
880-21184-1 MSD	T-1 (0-1')	Total/NA	Solid	8015B NM	38871

Prep Batch: 38848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21184-14	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-38848/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-38848/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-38848/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-21183-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-21183-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 38871

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21184-1	T-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-21184-2	T-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-21184-3	T-1 (2')	Total/NA	Solid	8015NM Prep	
880-21184-4	T-1 (3')	Total/NA	Solid	8015NM Prep	
880-21184-5	T-1 (4')	Total/NA	Solid	8015NM Prep	
880-21184-6	T-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-21184-7	T-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-21184-8	T-2 (2')	Total/NA	Solid	8015NM Prep	
880-21184-9	T-2 (3')	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21184-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 38871 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21184-10	T-2 (4')	Total/NA	Solid	8015NM Prep	
880-21184-11	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-21184-12	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-21184-13	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-38871/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-38871/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-38871/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-21184-1 MS	T-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-21184-1 MSD	T-1 (0-1')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 38949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21184-14	H-4 (0-0.5')	Total/NA	Solid	8015B NM	38848
MB 880-38848/1-A	Method Blank	Total/NA	Solid	8015B NM	38848
LCS 880-38848/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	38848
LCSD 880-38848/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	38848
880-21183-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	38848
880-21183-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	38848

Analysis Batch: 38991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21184-1	T-1 (0-1')	Total/NA	Solid	8015 NM	
880-21184-2	T-1 (1.5')	Total/NA	Solid	8015 NM	
880-21184-3	T-1 (2')	Total/NA	Solid	8015 NM	
880-21184-4	T-1 (3')	Total/NA	Solid	8015 NM	
880-21184-5	T-1 (4')	Total/NA	Solid	8015 NM	
880-21184-6	T-2 (0-1')	Total/NA	Solid	8015 NM	
880-21184-7	T-2 (1.5')	Total/NA	Solid	8015 NM	
880-21184-8	T-2 (2')	Total/NA	Solid	8015 NM	
880-21184-9	T-2 (3')	Total/NA	Solid	8015 NM	
880-21184-10	T-2 (4')	Total/NA	Solid	8015 NM	
880-21184-11	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-21184-12	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-21184-13	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-21184-14	H-4 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 38847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21184-1	T-1 (0-1')	Soluble	Solid	DI Leach	
880-21184-2	T-1 (1.5')	Soluble	Solid	DI Leach	
880-21184-3	T-1 (2')	Soluble	Solid	DI Leach	
880-21184-4	T-1 (3')	Soluble	Solid	DI Leach	
880-21184-5	T-1 (4')	Soluble	Solid	DI Leach	
880-21184-6	T-2 (0-1')	Soluble	Solid	DI Leach	
880-21184-7	T-2 (1.5')	Soluble	Solid	DI Leach	
880-21184-8	T-2 (2')	Soluble	Solid	DI Leach	
880-21184-9	T-2 (3')	Soluble	Solid	DI Leach	
880-21184-10	T-2 (4')	Soluble	Solid	DI Leach	
880-21184-11	H-1 (0-0.5')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-21184-1
 SDG: Lea County, New Mexico

HPLC/IC (Continued)

Leach Batch: 38847 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21184-12	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-21184-13	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-21184-14	H-4 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-38847/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-38847/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-38847/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-21184-1 MS	T-1 (0-1')	Soluble	Solid	DI Leach	
880-21184-1 MSD	T-1 (0-1')	Soluble	Solid	DI Leach	
880-21184-11 MS	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-21184-11 MSD	H-1 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 38928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21184-1	T-1 (0-1')	Soluble	Solid	300.0	38847
880-21184-2	T-1 (1.5')	Soluble	Solid	300.0	38847
880-21184-3	T-1 (2')	Soluble	Solid	300.0	38847
880-21184-4	T-1 (3')	Soluble	Solid	300.0	38847
880-21184-5	T-1 (4')	Soluble	Solid	300.0	38847
880-21184-6	T-2 (0-1')	Soluble	Solid	300.0	38847
880-21184-7	T-2 (1.5')	Soluble	Solid	300.0	38847
880-21184-8	T-2 (2')	Soluble	Solid	300.0	38847
880-21184-9	T-2 (3')	Soluble	Solid	300.0	38847
880-21184-10	T-2 (4')	Soluble	Solid	300.0	38847
880-21184-11	H-1 (0-0.5')	Soluble	Solid	300.0	38847
880-21184-12	H-2 (0-0.5')	Soluble	Solid	300.0	38847
880-21184-13	H-3 (0-0.5')	Soluble	Solid	300.0	38847
880-21184-14	H-4 (0-0.5')	Soluble	Solid	300.0	38847
MB 880-38847/1-A	Method Blank	Soluble	Solid	300.0	38847
LCS 880-38847/2-A	Lab Control Sample	Soluble	Solid	300.0	38847
LCSD 880-38847/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	38847
880-21184-1 MS	T-1 (0-1')	Soluble	Solid	300.0	38847
880-21184-1 MSD	T-1 (0-1')	Soluble	Solid	300.0	38847
880-21184-11 MS	H-1 (0-0.5')	Soluble	Solid	300.0	38847
880-21184-11 MSD	H-1 (0-0.5')	Soluble	Solid	300.0	38847

Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-21184-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-21184-1

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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	38879	11/07/22 13:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38951	11/08/22 12:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39119	11/09/22 14:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38991	11/08/22 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38871	11/07/22 11:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38798	11/07/22 21:11	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	38847	11/07/22 10:40	SMC	EET MID
Soluble	Analysis	300.0		1			38928	11/09/22 02:47	CH	EET MID

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-21184-2

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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	38879	11/07/22 13:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38951	11/08/22 12:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39119	11/09/22 14:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38991	11/08/22 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	38871	11/07/22 11:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38798	11/07/22 22:16	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	38847	11/07/22 10:40	SMC	EET MID
Soluble	Analysis	300.0		1			38928	11/09/22 03:09	CH	EET MID

Client Sample ID: T-1 (2')

Lab Sample ID: 880-21184-3

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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	38879	11/07/22 13:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38951	11/08/22 13:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39119	11/09/22 14:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38991	11/08/22 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	38871	11/07/22 11:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38798	11/07/22 22:38	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	38847	11/07/22 10:40	SMC	EET MID
Soluble	Analysis	300.0		1			38928	11/09/22 03:16	CH	EET MID

Client Sample ID: T-1 (3')

Lab Sample ID: 880-21184-4

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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	38879	11/07/22 13:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38951	11/08/22 13:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39119	11/09/22 14:12	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-21184-1
 SDG: Lea County, New Mexico

Client Sample ID: T-1 (3')

Lab Sample ID: 880-21184-4

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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			38991	11/08/22 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38871	11/07/22 11:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38798	11/07/22 22:59	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	38847	11/07/22 10:40	SMC	EET MID
Soluble	Analysis	300.0		1			38928	11/09/22 03:23	CH	EET MID

Client Sample ID: T-1 (4')

Lab Sample ID: 880-21184-5

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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	38879	11/07/22 13:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38951	11/08/22 14:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39119	11/09/22 14:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38991	11/08/22 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	38871	11/07/22 11:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38798	11/07/22 23:21	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	38847	11/07/22 10:40	SMC	EET MID
Soluble	Analysis	300.0		1			38928	11/09/22 03:31	CH	EET MID

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

Lab Sample ID: 880-21184-6

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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	38879	11/07/22 13:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38951	11/08/22 14:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39119	11/09/22 14:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38991	11/08/22 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	38871	11/07/22 11:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38798	11/07/22 23:43	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	38847	11/07/22 10:40	SMC	EET MID
Soluble	Analysis	300.0		5			38928	11/09/22 03:53	CH	EET MID

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-21184-7

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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	38879	11/07/22 13:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38951	11/08/22 15:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39119	11/09/22 14:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38991	11/08/22 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	38871	11/07/22 11:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38798	11/08/22 00:04	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-21184-1
 SDG: Lea County, New Mexico

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-21184-7

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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	38847	11/07/22 10:40	SMC	EET MID
Soluble	Analysis	300.0		1			38928	11/09/22 04:00	CH	EET MID

Client Sample ID: T-2 (2')

Lab Sample ID: 880-21184-8

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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	38879	11/07/22 13:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38951	11/08/22 15:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39119	11/09/22 14:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38991	11/08/22 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	38871	11/07/22 11:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38798	11/08/22 00:25	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	38847	11/07/22 10:40	SMC	EET MID
Soluble	Analysis	300.0		5			38928	11/09/22 04:07	CH	EET MID

Client Sample ID: T-2 (3')

Lab Sample ID: 880-21184-9

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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			4.98 g	5 mL	38879	11/07/22 13:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38951	11/08/22 15:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39119	11/09/22 14:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38991	11/08/22 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38871	11/07/22 11:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38798	11/08/22 00:46	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	38847	11/07/22 10:40	SMC	EET MID
Soluble	Analysis	300.0		5			38928	11/09/22 04:14	CH	EET MID

Client Sample ID: T-2 (4')

Lab Sample ID: 880-21184-10

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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			4.96 g	5 mL	38879	11/07/22 13:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38951	11/08/22 16:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39119	11/09/22 14:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38991	11/08/22 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	38871	11/07/22 11:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38798	11/08/22 01:08	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	38847	11/07/22 10:40	SMC	EET MID
Soluble	Analysis	300.0		1			38928	11/09/22 04:21	CH	EET MID

Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-21184-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-21184-11

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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	38879	11/07/22 13:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38951	11/08/22 18:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39119	11/09/22 14:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38991	11/08/22 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38871	11/07/22 11:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38798	11/08/22 01:50	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	38847	11/07/22 10:40	SMC	EET MID
Soluble	Analysis	300.0		1			38928	11/09/22 04:29	CH	EET MID

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

Lab Sample ID: 880-21184-12

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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	38879	11/07/22 13:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38951	11/08/22 18:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39119	11/09/22 14:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38991	11/08/22 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	38871	11/07/22 11:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38798	11/08/22 02:11	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	38847	11/07/22 10:40	SMC	EET MID
Soluble	Analysis	300.0		1			38928	11/09/22 04:50	CH	EET MID

Client Sample ID: H-3 (0-0.5')

Lab Sample ID: 880-21184-13

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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	38879	11/07/22 13:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38951	11/08/22 19:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39119	11/09/22 14:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38991	11/08/22 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	38871	11/07/22 11:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38798	11/08/22 02:33	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	38847	11/07/22 10:40	SMC	EET MID
Soluble	Analysis	300.0		1			38928	11/09/22 04:57	CH	EET MID

Client Sample ID: H-4 (0-0.5')

Lab Sample ID: 880-21184-14

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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	38879	11/07/22 13:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38951	11/08/22 19:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39119	11/09/22 14:12	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-21184-1
 SDG: Lea County, New Mexico

Client Sample ID: H-4 (0-0.5')

Lab Sample ID: 880-21184-14

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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			38991	11/09/22 09:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	38848	11/07/22 10:40	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38949	11/08/22 18:24	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	38847	11/07/22 10:40	SMC	EET MID
Soluble	Analysis	300.0		1			38928	11/09/22 05:19	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: Modelo 533 Release

Job ID: 880-21184-1
 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	T104704400-22-24	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
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

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Method Summary

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-21184-1
 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	MCAWW	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
- MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
- 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: Modelo 533 Release

Job ID: 880-21184-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-21184-1	T-1 (0-1')	Solid	11/04/22 00:00	11/07/22 09:05
880-21184-2	T-1 (1.5')	Solid	11/04/22 00:00	11/07/22 09:05
880-21184-3	T-1 (2')	Solid	11/04/22 00:00	11/07/22 09:05
880-21184-4	T-1 (3')	Solid	11/04/22 00:00	11/07/22 09:05
880-21184-5	T-1 (4')	Solid	11/04/22 00:00	11/07/22 09:05
880-21184-6	T-2 (0-1')	Solid	11/04/22 00:00	11/07/22 09:05
880-21184-7	T-2 (1.5')	Solid	11/04/22 00:00	11/07/22 09:05
880-21184-8	T-2 (2')	Solid	11/04/22 00:00	11/07/22 09:05
880-21184-9	T-2 (3')	Solid	11/04/22 00:00	11/07/22 09:05
880-21184-10	T-2 (4')	Solid	11/04/22 00:00	11/07/22 09:05
880-21184-11	H-1 (0-0.5')	Solid	11/04/22 00:00	11/07/22 09:05
880-21184-12	H-2 (0-0.5')	Solid	11/04/22 00:00	11/07/22 09:05
880-21184-13	H-3 (0-0.5')	Solid	11/04/22 00:00	11/07/22 09:05
880-21184-14	H-4 (0-0.5')	Solid	11/04/22 00:00	11/07/22 09:05

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Project Manager	Conner Moehring	Bill to (if different)	Todd Wells
Company Name	Carmona Resources	Company Name	EOG Resources
Address	310 W Wall St Ste 415	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland TX 79706
Phone	432-813-6823	Email	Todd Wells@eogresources.com

Work Order Comments	
Program: UST/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
Deliverables EDD	<input type="checkbox"/> ADAPT <input type="checkbox"/> Other

Project Name	Modelo 533 Release	Turn Around		Pres. Code	ANALYSIS REQUEST			Preservative Codes	
		<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush						
Project Number	1171							None NO	DI Water H ₂ O
Project Location	Lea County, New Mexico	Due Date	72 Hrs					Cool Cool	MeOH Me
Sampler's Name	CRM							HCL, HC	HNO ₃ HN
PO #								H ₂ SO ₄ H ₂	NaOH Na
SAMPLE RECEIPT	Temp Blank	Yes	No	Wet Ice	Yes	No		H ₃ PO ₄ HP	
Received Intact	Yes	No	N/A	Thermometer ID				NaHSO ₄ NABIS	
Cooler Custody Seals	Yes	No	N/A	Correction Factor				Na ₂ S ₂ O ₃ NaSO ₃	
Sample Custody Seals	Yes	No	N/A	Temperature Reading				Zn Acetate+NaOH Zn	
Total Containers				Corrected Temperature				NaOH+Ascorbic Acid SAPC	
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters		Sample Comments
T-1 (0-1')	11/4/2022		X		G	1	BTEX 8021B		HOZ
T-1 (1-5')	11/4/2022		X		G	1	TPH 8015M (GRO + DRO + MRO)		
T-1 (2')	11/4/2022		X		G	1	Chloride 300.0		
T-1 (3')	11/4/2022		X		G	1			
T-1 (4')	11/4/2022		X		G	1			
T-2 (0-1')	11/4/2022		X		G	1			
T-2 (1-5')	11/4/2022		X		G	1			
T-2 (2')	11/4/2022		X		G	1			
T-2 (3')	11/4/2022		X		G	1			
T-2 (4')	11/4/2022		X		G	1			

Comments: Email to Mike Carmona / mcarmona@carmonarresources.com and Conner Moehring / cmoehring@carmonarresources.com

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
<i>Conner Moehring</i>	11/7/22 9:05	<i>[Signature]</i>	



Work Order No: 21184

Page 1 of 2

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-21184-1
SDG Number: Lea County, New Mexico

Login Number: 21184

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

ANALYTICAL REPORT

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-21185-1
Laboratory Sample Delivery Group: Lea County, New Mexico
Client Project/Site: Modelo 533 Release

For:
Carmona Resources
310 W Wall St
Ste 415
Midland, Texas 79701

Attn: Conner Moehring

Authorized for release by:
11/9/2022 11:39:56 AM

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

LINKS

Review your project results through



Have a Question?



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www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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.

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Client: Carmona Resources
Project/Site: Modelo 533 Release

Laboratory Job ID: 880-21185-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21185-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
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: Modelo 533 Release

Job ID: 880-21185-1
SDG: Lea County, New Mexico

Job ID: 880-21185-1

Laboratory: Eurofins Midland**Narrative****Job Narrative
880-21185-1****Receipt**

The samples were received on 11/7/2022 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 5.5°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: T-3 (0-1') (880-21185-1), T-3 (1.5') (880-21185-2), T-3 (2') (880-21185-3), T-3 (3') (880-21185-4), T-4 (0-1') (880-21185-5), T-5 (0-1') (880-21185-6), T-5 (1.5') (880-21185-7), T-6 (0-1') (880-21185-8), T-6 (1.5') (880-21185-9), T-6 (2') (880-21185-10), T-6 (3') (880-21185-11), H-5 (0-0.5') (880-21185-12), H-6 (0-0.5') (880-21185-13), H-7 (0-0.5') (880-21185-14), H-8 (0-0.5') (880-21185-15), H-9 (0-0.5') (880-21185-16) and H-10 (0-0.5') (880-21185-17).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-38855 and analytical batch 880-38810 were outside control limits. Sample matrix interference and/or non-homogeneity are 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: T-3 (1.5') (880-21185-2). Evidence of matrix interferences is not obvious.

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

GC Semi VOA

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-38871 and analytical batch 880-38798 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-38872 and analytical batch 880-38801 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 880-38872 and analytical batch 880-38801 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

HPLC/IC

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: Modelo 533 Release

Job ID: 880-21185-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-21185-1

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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		11/07/22 11:02	11/07/22 15:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/07/22 11:02	11/07/22 15:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/07/22 11:02	11/07/22 15:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/07/22 11:02	11/07/22 15:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/07/22 11:02	11/07/22 15:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/07/22 11:02	11/07/22 15:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	11/07/22 11:02	11/07/22 15:27	1
1,4-Difluorobenzene (Surr)	95		70 - 130	11/07/22 11:02	11/07/22 15:27	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			11/08/22 13:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	6990		50.0		mg/Kg			11/08/22 12:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		11/07/22 11:51	11/07/22 22:16	1
Diesel Range Organics (Over C10-C28)	6700		50.0		mg/Kg		11/07/22 11:51	11/07/22 22:16	1
Oil Range Organics (Over C28-C36)	292		50.0		mg/Kg		11/07/22 11:51	11/07/22 22:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	11/07/22 11:51	11/07/22 22:16	1
o-Terphenyl	120		70 - 130	11/07/22 11:51	11/07/22 22:16	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8150		101		mg/Kg			11/09/22 05:26	20

Client Sample ID: T-3 (1.5')

Lab Sample ID: 880-21185-2

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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		11/07/22 11:02	11/07/22 15:47	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/07/22 11:02	11/07/22 15:47	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/07/22 11:02	11/07/22 15:47	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		11/07/22 11:02	11/07/22 15:47	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/07/22 11:02	11/07/22 15:47	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		11/07/22 11:02	11/07/22 15:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130	11/07/22 11:02	11/07/22 15:47	1
1,4-Difluorobenzene (Surr)	92		70 - 130	11/07/22 11:02	11/07/22 15:47	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-21185-1
 SDG: Lea County, New Mexico

Client Sample ID: T-3 (1.5')

Lab Sample ID: 880-21185-2

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 09:05

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			11/08/22 13:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1190		49.8		mg/Kg			11/08/22 12:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *1	49.8		mg/Kg		11/07/22 11:51	11/07/22 21:11	1
Diesel Range Organics (Over C10-C28)	1010	F1	49.8		mg/Kg		11/07/22 11:51	11/07/22 21:11	1
Oil Range Organics (Over C28-C36)	182		49.8		mg/Kg		11/07/22 11:51	11/07/22 21:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				11/07/22 11:51	11/07/22 21:11	1
o-Terphenyl	113		70 - 130				11/07/22 11:51	11/07/22 21:11	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3280		50.4		mg/Kg			11/09/22 05:34	10

Client Sample ID: T-3 (2')

Lab Sample ID: 880-21185-3

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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		11/07/22 11:02	11/07/22 16:08	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/07/22 11:02	11/07/22 16:08	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/07/22 11:02	11/07/22 16:08	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/07/22 11:02	11/07/22 16:08	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/07/22 11:02	11/07/22 16:08	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/07/22 11:02	11/07/22 16:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				11/07/22 11:02	11/07/22 16:08	1
1,4-Difluorobenzene (Surr)	98		70 - 130				11/07/22 11:02	11/07/22 16:08	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			11/08/22 13:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/08/22 12:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		11/07/22 11:51	11/07/22 22:38	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-21185-1
 SDG: Lea County, New Mexico

Client Sample ID: T-3 (2')

Lab Sample ID: 880-21185-3

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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)	<49.9	U	49.9		mg/Kg		11/07/22 11:51	11/07/22 22:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/07/22 11:51	11/07/22 22:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				11/07/22 11:51	11/07/22 22:38	1
o-Terphenyl	94		70 - 130				11/07/22 11:51	11/07/22 22:38	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5450		49.9		mg/Kg			11/09/22 05:41	10

Client Sample ID: T-3 (3')

Lab Sample ID: 880-21185-4

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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		11/07/22 11:02	11/07/22 16:28	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/07/22 11:02	11/07/22 16:28	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/07/22 11:02	11/07/22 16:28	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		11/07/22 11:02	11/07/22 16:28	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/07/22 11:02	11/07/22 16:28	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		11/07/22 11:02	11/07/22 16:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				11/07/22 11:02	11/07/22 16:28	1
1,4-Difluorobenzene (Surr)	106		70 - 130				11/07/22 11:02	11/07/22 16:28	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			11/08/22 13:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/08/22 12:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		11/07/22 11:51	11/07/22 22:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/07/22 11:51	11/07/22 22:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 11:51	11/07/22 22:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				11/07/22 11:51	11/07/22 22:59	1
o-Terphenyl	108		70 - 130				11/07/22 11:51	11/07/22 22:59	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	421		5.00		mg/Kg			11/09/22 05:48	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-21185-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-21185-5

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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		11/07/22 11:02	11/07/22 16:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/07/22 11:02	11/07/22 16:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/07/22 11:02	11/07/22 16:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/07/22 11:02	11/07/22 16:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/07/22 11:02	11/07/22 16:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/07/22 11:02	11/07/22 16:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	11/07/22 11:02	11/07/22 16:49	1
1,4-Difluorobenzene (Surr)	106		70 - 130	11/07/22 11:02	11/07/22 16:49	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			11/08/22 13:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	865		50.0		mg/Kg			11/08/22 12:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		11/07/22 11:51	11/07/22 23:21	1
Diesel Range Organics (Over C10-C28)	476		50.0		mg/Kg		11/07/22 11:51	11/07/22 23:21	1
Oil Range Organics (Over C28-C36)	389		50.0		mg/Kg		11/07/22 11:51	11/07/22 23:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	11/07/22 11:51	11/07/22 23:21	1
o-Terphenyl	97		70 - 130	11/07/22 11:51	11/07/22 23:21	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3540		24.9		mg/Kg			11/09/22 05:55	5

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

Lab Sample ID: 880-21185-6

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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		11/07/22 11:02	11/07/22 17:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/07/22 11:02	11/07/22 17:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/07/22 11:02	11/07/22 17:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/07/22 11:02	11/07/22 17:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/07/22 11:02	11/07/22 17:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/07/22 11:02	11/07/22 17:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	11/07/22 11:02	11/07/22 17:09	1
1,4-Difluorobenzene (Surr)	98		70 - 130	11/07/22 11:02	11/07/22 17:09	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-21185-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-21185-6

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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			11/08/22 13:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	460		49.9		mg/Kg			11/08/22 12:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		11/07/22 11:51	11/07/22 23:43	1
Diesel Range Organics (Over C10-C28)	358		49.9		mg/Kg		11/07/22 11:51	11/07/22 23:43	1
Oil Range Organics (Over C28-C36)	102		49.9		mg/Kg		11/07/22 11:51	11/07/22 23:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				11/07/22 11:51	11/07/22 23:43	1
o-Terphenyl	101		70 - 130				11/07/22 11:51	11/07/22 23:43	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5360		49.6		mg/Kg			11/09/22 06:02	10

Client Sample ID: T-5 (1.5')

Lab Sample ID: 880-21185-7

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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		11/07/22 11:02	11/07/22 17:30	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/07/22 11:02	11/07/22 17:30	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/07/22 11:02	11/07/22 17:30	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/07/22 11:02	11/07/22 17:30	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/07/22 11:02	11/07/22 17:30	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/07/22 11:02	11/07/22 17:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				11/07/22 11:02	11/07/22 17:30	1
1,4-Difluorobenzene (Surr)	106		70 - 130				11/07/22 11:02	11/07/22 17:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/08/22 13:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/08/22 12:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		11/07/22 11:51	11/08/22 00:04	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-21185-1
 SDG: Lea County, New Mexico

Client Sample ID: T-5 (1.5')

Lab Sample ID: 880-21185-7

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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)	<49.9	U	49.9		mg/Kg		11/07/22 11:51	11/08/22 00:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/07/22 11:51	11/08/22 00:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				11/07/22 11:51	11/08/22 00:04	1
o-Terphenyl	99		70 - 130				11/07/22 11:51	11/08/22 00:04	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4070		24.9		mg/Kg			11/09/22 01:45	5

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

Lab Sample ID: 880-21185-8

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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		11/07/22 11:02	11/07/22 17:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/07/22 11:02	11/07/22 17:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/07/22 11:02	11/07/22 17:50	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/07/22 11:02	11/07/22 17:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/07/22 11:02	11/07/22 17:50	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/07/22 11:02	11/07/22 17:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				11/07/22 11:02	11/07/22 17:50	1
1,4-Difluorobenzene (Surr)	103		70 - 130				11/07/22 11:02	11/07/22 17:50	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			11/08/22 13:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	2290		49.9		mg/Kg			11/08/22 12:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		11/07/22 11:51	11/08/22 00:25	1
Diesel Range Organics (Over C10-C28)	1760		49.9		mg/Kg		11/07/22 11:51	11/08/22 00:25	1
Oil Range Organics (Over C28-C36)	532		49.9		mg/Kg		11/07/22 11:51	11/08/22 00:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				11/07/22 11:51	11/08/22 00:25	1
o-Terphenyl	108		70 - 130				11/07/22 11:51	11/08/22 00:25	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14600		101		mg/Kg			11/09/22 01:59	20

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Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-21185-1
 SDG: Lea County, New Mexico

Client Sample ID: T-6 (1.5')

Lab Sample ID: 880-21185-9

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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		11/07/22 11:02	11/07/22 18:10	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/07/22 11:02	11/07/22 18:10	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/07/22 11:02	11/07/22 18:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/07/22 11:02	11/07/22 18:10	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/07/22 11:02	11/07/22 18:10	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/07/22 11:02	11/07/22 18:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	11/07/22 11:02	11/07/22 18:10	1
1,4-Difluorobenzene (Surr)	108		70 - 130	11/07/22 11:02	11/07/22 18:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/08/22 13:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/08/22 12:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		11/07/22 11:51	11/08/22 00:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/07/22 11:51	11/08/22 00:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 11:51	11/08/22 00:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	11/07/22 11:51	11/08/22 00:46	1
o-Terphenyl	116		70 - 130	11/07/22 11:51	11/08/22 00:46	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	107		5.00		mg/Kg			11/09/22 02:04	1

Client Sample ID: T-6 (2')

Lab Sample ID: 880-21185-10

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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		11/07/22 11:02	11/07/22 20:00	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/07/22 11:02	11/07/22 20:00	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/07/22 11:02	11/07/22 20:00	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		11/07/22 11:02	11/07/22 20:00	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/07/22 11:02	11/07/22 20:00	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		11/07/22 11:02	11/07/22 20:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	11/07/22 11:02	11/07/22 20:00	1
1,4-Difluorobenzene (Surr)	90		70 - 130	11/07/22 11:02	11/07/22 20:00	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-21185-1
 SDG: Lea County, New Mexico

Client Sample ID: T-6 (2')

Lab Sample ID: 880-21185-10

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 09:05

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			11/08/22 13:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/08/22 12:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		11/07/22 11:51	11/08/22 01:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/07/22 11:51	11/08/22 01:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/07/22 11:51	11/08/22 01:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	11/07/22 11:51	11/08/22 01:08	1
o-Terphenyl	101		70 - 130	11/07/22 11:51	11/08/22 01:08	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.5		4.98		mg/Kg			11/09/22 02:09	1

Client Sample ID: T-6 (3')

Lab Sample ID: 880-21185-11

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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		11/07/22 11:02	11/07/22 20:21	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/07/22 11:02	11/07/22 20:21	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/07/22 11:02	11/07/22 20:21	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/07/22 11:02	11/07/22 20:21	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/07/22 11:02	11/07/22 20:21	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/07/22 11:02	11/07/22 20:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	11/07/22 11:02	11/07/22 20:21	1
1,4-Difluorobenzene (Surr)	97		70 - 130	11/07/22 11:02	11/07/22 20:21	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			11/08/22 13:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/08/22 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/07/22 11:47	11/08/22 02:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/07/22 11:47	11/08/22 02:54	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-21185-1
 SDG: Lea County, New Mexico

Client Sample ID: T-6 (3')

Lab Sample ID: 880-21185-11

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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		11/07/22 11:47	11/08/22 02:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				11/07/22 11:47	11/08/22 02:54	1
o-Terphenyl	93		70 - 130				11/07/22 11:47	11/08/22 02:54	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	229		4.97		mg/Kg			11/09/22 02:14	1

Client Sample ID: H-5 (0-0.5')

Lab Sample ID: 880-21185-12

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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		11/07/22 11:02	11/07/22 20:41	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/07/22 11:02	11/07/22 20:41	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/07/22 11:02	11/07/22 20:41	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		11/07/22 11:02	11/07/22 20:41	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/07/22 11:02	11/07/22 20:41	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		11/07/22 11:02	11/07/22 20:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				11/07/22 11:02	11/07/22 20:41	1
1,4-Difluorobenzene (Surr)	103		70 - 130				11/07/22 11:02	11/07/22 20:41	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			11/08/22 13:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/08/22 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/08/22 03:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/08/22 03:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/08/22 03:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				11/07/22 11:47	11/08/22 03:15	1
o-Terphenyl	94		70 - 130				11/07/22 11:47	11/08/22 03:15	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.5		5.05		mg/Kg			11/09/22 02:29	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-21185-1
 SDG: Lea County, New Mexico

Client Sample ID: H-6 (0-0.5')

Lab Sample ID: 880-21185-13

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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		11/07/22 11:02	11/07/22 21:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/07/22 11:02	11/07/22 21:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/07/22 11:02	11/07/22 21:02	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/07/22 11:02	11/07/22 21:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/07/22 11:02	11/07/22 21:02	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/07/22 11:02	11/07/22 21:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	11/07/22 11:02	11/07/22 21:02	1
1,4-Difluorobenzene (Surr)	105		70 - 130	11/07/22 11:02	11/07/22 21:02	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			11/08/22 13:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/08/22 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/08/22 03:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/08/22 03:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/08/22 03:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	11/07/22 11:47	11/08/22 03:37	1
o-Terphenyl	86		70 - 130	11/07/22 11:47	11/08/22 03:37	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.3		5.04		mg/Kg			11/09/22 02:34	1

Client Sample ID: H-7 (0-0.5')

Lab Sample ID: 880-21185-14

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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		11/07/22 11:02	11/07/22 21:22	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/07/22 11:02	11/07/22 21:22	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/07/22 11:02	11/07/22 21:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/07/22 11:02	11/07/22 21:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/07/22 11:02	11/07/22 21:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/07/22 11:02	11/07/22 21:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	11/07/22 11:02	11/07/22 21:22	1
1,4-Difluorobenzene (Surr)	101		70 - 130	11/07/22 11:02	11/07/22 21:22	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-21185-1
 SDG: Lea County, New Mexico

Client Sample ID: H-7 (0-0.5')

Lab Sample ID: 880-21185-14

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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			11/08/22 13:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/08/22 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/07/22 11:47	11/08/22 03:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/07/22 11:47	11/08/22 03:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/07/22 11:47	11/08/22 03:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	11/07/22 11:47	11/08/22 03:58	1
o-Terphenyl	87		70 - 130	11/07/22 11:47	11/08/22 03:58	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.6		5.02		mg/Kg			11/09/22 02:39	1

Client Sample ID: H-8 (0-0.5')

Lab Sample ID: 880-21185-15

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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		11/07/22 11:02	11/07/22 21:43	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/07/22 11:02	11/07/22 21:43	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/07/22 11:02	11/07/22 21:43	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/07/22 11:02	11/07/22 21:43	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/07/22 11:02	11/07/22 21:43	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/07/22 11:02	11/07/22 21:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	11/07/22 11:02	11/07/22 21:43	1
1,4-Difluorobenzene (Surr)	102		70 - 130	11/07/22 11:02	11/07/22 21:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/08/22 13:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/08/22 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/07/22 11:47	11/08/22 04:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/07/22 11:47	11/08/22 04:19	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-21185-1
 SDG: Lea County, New Mexico

Client Sample ID: H-8 (0-0.5')

Lab Sample ID: 880-21185-15

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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		11/07/22 11:47	11/08/22 04:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				11/07/22 11:47	11/08/22 04:19	1
o-Terphenyl	101		70 - 130				11/07/22 11:47	11/08/22 04:19	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.9		5.01		mg/Kg			11/09/22 02:44	1

Client Sample ID: H-9 (0-0.5')

Lab Sample ID: 880-21185-16

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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		11/07/22 11:02	11/07/22 22:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/07/22 11:02	11/07/22 22:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/07/22 11:02	11/07/22 22:03	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/07/22 11:02	11/07/22 22:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/07/22 11:02	11/07/22 22:03	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/07/22 11:02	11/07/22 22:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				11/07/22 11:02	11/07/22 22:03	1
1,4-Difluorobenzene (Surr)	102		70 - 130				11/07/22 11:02	11/07/22 22:03	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			11/08/22 13:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/08/22 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/08/22 04:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/08/22 04:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/08/22 04:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				11/07/22 11:47	11/08/22 04:40	1
o-Terphenyl	89		70 - 130				11/07/22 11:47	11/08/22 04:40	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.5		5.00		mg/Kg			11/09/22 02:49	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-21185-1
 SDG: Lea County, New Mexico

Client Sample ID: H-10 (0-0.5')

Lab Sample ID: 880-21185-17

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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		11/07/22 11:02	11/07/22 22:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/07/22 11:02	11/07/22 22:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/07/22 11:02	11/07/22 22:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/07/22 11:02	11/07/22 22:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/07/22 11:02	11/07/22 22:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/07/22 11:02	11/07/22 22:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	11/07/22 11:02	11/07/22 22:24	1
1,4-Difluorobenzene (Surr)	102		70 - 130	11/07/22 11:02	11/07/22 22:24	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			11/08/22 13:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/08/22 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/08/22 05:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/08/22 05:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/08/22 05:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	11/07/22 11:47	11/08/22 05:01	1
o-Terphenyl	98		70 - 130	11/07/22 11:47	11/08/22 05:01	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.1		4.99		mg/Kg			11/09/22 02:54	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21185-1
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)
880-21185-1	T-3 (0-1')	106	95
880-21185-2	T-3 (1.5')	136 S1+	92
880-21185-3	T-3 (2')	106	98
880-21185-4	T-3 (3')	119	106
880-21185-5	T-4 (0-1')	115	106
880-21185-6	T-5 (0-1')	123	98
880-21185-7	T-5 (1.5')	105	106
880-21185-8	T-6 (0-1')	114	103
880-21185-9	T-6 (1.5')	108	108
880-21185-10	T-6 (2')	112	90
880-21185-11	T-6 (3')	113	97
880-21185-12	H-5 (0-0.5')	112	103
880-21185-13	H-6 (0-0.5')	111	105
880-21185-14	H-7 (0-0.5')	125	101
880-21185-15	H-8 (0-0.5')	115	102
880-21185-16	H-9 (0-0.5')	121	102
880-21185-17	H-10 (0-0.5')	116	102
890-3376-A-1-F MS	Matrix Spike	97	100
890-3376-A-1-G MSD	Matrix Spike Duplicate	112	95
LCS 880-38855/1-A	Lab Control Sample	108	93
LCSD 880-38855/2-A	Lab Control Sample Dup	97	99
MB 880-38855/5-A	Method Blank	84	101

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)
880-21184-A-1-E MS	Matrix Spike	98	80
880-21184-A-1-F MSD	Matrix Spike Duplicate	85	80
880-21185-1	T-3 (0-1')	112	120
880-21185-2	T-3 (1.5')	111	113
880-21185-2 MS	T-3 (1.5')	84	77
880-21185-2 MSD	T-3 (1.5')	82	75
880-21185-3	T-3 (2')	91	94
880-21185-4	T-3 (3')	105	108
880-21185-5	T-4 (0-1')	97	97
880-21185-6	T-5 (0-1')	101	101
880-21185-7	T-5 (1.5')	95	99
880-21185-8	T-6 (0-1')	108	108
880-21185-9	T-6 (1.5')	112	116
880-21185-10	T-6 (2')	97	101
880-21185-11	T-6 (3')	100	93
880-21185-12	H-5 (0-0.5')	102	94
880-21185-13	H-6 (0-0.5')	96	86

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Surrogate Summary

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-21185-1
 SDG: Lea County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-21185-14	H-7 (0-0.5')	93	87
880-21185-15	H-8 (0-0.5')	108	101
880-21185-16	H-9 (0-0.5')	97	89
880-21185-17	H-10 (0-0.5')	106	98
LCS 880-38871/2-A	Lab Control Sample	100	98
LCS 880-38872/2-A	Lab Control Sample	91	95
LCSD 880-38871/3-A	Lab Control Sample Dup	120	99
LCSD 880-38872/3-A	Lab Control Sample Dup	104	111
MB 880-38871/1-A	Method Blank	115	111
MB 880-38872/1-A	Method Blank	102	110

Surrogate Legend

1CO = 1-Chlorooctane
 OTPH = o-Terphenyl

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

QC Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-21185-1
 SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-38855/5-A
 Matrix: Solid
 Analysis Batch: 38810

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 38855

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/07/22 11:02	11/07/22 14:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/07/22 11:02	11/07/22 14:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/07/22 11:02	11/07/22 14:38	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/07/22 11:02	11/07/22 14:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/07/22 11:02	11/07/22 14:38	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/07/22 11:02	11/07/22 14:38	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	11/07/22 11:02	11/07/22 14:38	1
1,4-Difluorobenzene (Surr)	101		70 - 130	11/07/22 11:02	11/07/22 14:38	1

Lab Sample ID: LCS 880-38855/1-A
 Matrix: Solid
 Analysis Batch: 38810

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 38855

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1042		mg/Kg		104	70 - 130
Toluene	0.100	0.1138		mg/Kg		114	70 - 130
Ethylbenzene	0.100	0.1111		mg/Kg		111	70 - 130
m-Xylene & p-Xylene	0.200	0.1994		mg/Kg		100	70 - 130
o-Xylene	0.100	0.09890		mg/Kg		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: LCSD 880-38855/2-A
 Matrix: Solid
 Analysis Batch: 38810

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 38855

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.09577		mg/Kg		96	70 - 130	8	35
Toluene	0.100	0.1047		mg/Kg		105	70 - 130	8	35
Ethylbenzene	0.100	0.09891		mg/Kg		99	70 - 130	12	35
m-Xylene & p-Xylene	0.200	0.1722		mg/Kg		86	70 - 130	15	35
o-Xylene	0.100	0.08427		mg/Kg		84	70 - 130	16	35

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

Lab Sample ID: 890-3376-A-1-F MS
 Matrix: Solid
 Analysis Batch: 38810

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 38855

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.101	0.09235		mg/Kg		91	70 - 130
Toluene	<0.00202	U	0.101	0.09881		mg/Kg		97	70 - 130

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QC Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-21185-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 890-3376-A-1-F MS
 Matrix: Solid
 Analysis Batch: 38810

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 38855

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier		Result	Qualifier				
Ethylbenzene	0.0177	F1	0.101	0.08335	F1	mg/Kg		65	70 - 130
m-Xylene & p-Xylene	0.00451	F1	0.202	0.1199	F1	mg/Kg		57	70 - 130
o-Xylene	0.0143	F1	0.101	0.07681	F1	mg/Kg		62	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 890-3376-A-1-G MSD
 Matrix: Solid
 Analysis Batch: 38810

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 38855

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier		Result	Qualifier						
Benzene	<0.00202	U	0.0994	0.1011		mg/Kg		101	70 - 130	9	35
Toluene	<0.00202	U	0.0994	0.1115		mg/Kg		112	70 - 130	12	35
Ethylbenzene	0.0177	F1	0.0994	0.09824		mg/Kg		81	70 - 130	16	35
m-Xylene & p-Xylene	0.00451	F1	0.199	0.1351	F1	mg/Kg		66	70 - 130	12	35
o-Xylene	0.0143	F1	0.0994	0.08784		mg/Kg		74	70 - 130	13	35

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

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

Lab Sample ID: MB 880-38871/1-A
 Matrix: Solid
 Analysis Batch: 38798

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 38871

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		11/07/22 11:47	11/07/22 20:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/07/22 20:06	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/07/22 20:06	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	115		70 - 130	11/07/22 11:47	11/07/22 20:06	1
o-Terphenyl	111		70 - 130	11/07/22 11:47	11/07/22 20:06	1

Lab Sample ID: LCS 880-38871/2-A
 Matrix: Solid
 Analysis Batch: 38798

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 38871

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
Gasoline Range Organics (GRO)-C6-C10	1000	824.5		mg/Kg		82	70 - 130
Diesel Range Organics (Over C10-C28)	1000	900.5		mg/Kg		90	70 - 130

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QC Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-21185-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-38871/2-A
Matrix: Solid
Analysis Batch: 38798

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 38871

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	100		70 - 130
o-Terphenyl	98		70 - 130

Lab Sample ID: LCSD 880-38871/3-A
Matrix: Solid
Analysis Batch: 38798

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 38871

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec		RPD	Limit
		Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	1000	809.3		mg/Kg		81	70 - 130	2	20	
Diesel Range Organics (Over C10-C28)	1000	903.5		mg/Kg		90	70 - 130	0	20	

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	120		70 - 130
o-Terphenyl	99		70 - 130

Lab Sample ID: 880-21184-A-1-E MS
Matrix: Solid
Analysis Batch: 38798

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 38871

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec	
				Result	Qualifier				Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	997	669.3	F1	mg/Kg		67	70 - 130	
Diesel Range Organics (Over C10-C28)	3150	F1	997	3119	F1	mg/Kg		-3	70 - 130	

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	98		70 - 130
o-Terphenyl	80		70 - 130

Lab Sample ID: 880-21184-A-1-F MSD
Matrix: Solid
Analysis Batch: 38798

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 38871

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD MSD		Unit	D	%Rec	%Rec	
				Result	Qualifier				Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	999	689.0	F1	mg/Kg		69	70 - 130	3
Diesel Range Organics (Over C10-C28)	3150	F1	999	3106	F1	mg/Kg		-4	70 - 130	0

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	85		70 - 130
o-Terphenyl	80		70 - 130

QC Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-21185-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-38872/1-A
Matrix: Solid
Analysis Batch: 38801

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 38872

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		11/07/22 11:51	11/07/22 20:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/07/22 11:51	11/07/22 20:06	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 11:51	11/07/22 20:06	1
Surrogate	MB MB		Limits			Prepared	Analyzed	Dil Fac	
%Recovery	Qualifier								
1-Chlorooctane	102		70 - 130			11/07/22 11:51	11/07/22 20:06	1	
o-Terphenyl	110		70 - 130			11/07/22 11:51	11/07/22 20:06	1	

Lab Sample ID: LCS 880-38872/2-A
Matrix: Solid
Analysis Batch: 38801

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 38872

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	1000	921.8		mg/Kg		92	70 - 130
Diesel Range Organics (Over C10-C28)	1000	898.3		mg/Kg		90	70 - 130
Surrogate	LCS LCS		Limits			%Rec	
%Recovery	Qualifier						
1-Chlorooctane	91		70 - 130				
o-Terphenyl	95		70 - 130				

Lab Sample ID: LCSD 880-38872/3-A
Matrix: Solid
Analysis Batch: 38801

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 38872

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec Limits	RPD	
		Result	Qualifier					RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1286	*1	mg/Kg		129	70 - 130	33	20
Diesel Range Organics (Over C10-C28)	1000	1033		mg/Kg		103	70 - 130	14	20
Surrogate	LCSD LCSD		Limits			%Rec			
%Recovery	Qualifier								
1-Chlorooctane	104		70 - 130						
o-Terphenyl	111		70 - 130						

Lab Sample ID: 880-21185-2 MS
Matrix: Solid
Analysis Batch: 38801

Client Sample ID: T-3 (1.5')
Prep Type: Total/NA
Prep Batch: 38872

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec Limits
				Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *1	997	1095		mg/Kg		106	70 - 130
Diesel Range Organics (Over C10-C28)	1010	F1	997	1316	F1	mg/Kg		30	70 - 130

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QC Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-21185-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-21185-2 MS
 Matrix: Solid
 Analysis Batch: 38801

Client Sample ID: T-3 (1.5')
 Prep Type: Total/NA
 Prep Batch: 38872

Surrogate	%Recovery	MS MS Qualifier	Limits
1-Chlorooctane	84		70 - 130
o-Terphenyl	77		70 - 130

Lab Sample ID: 880-21185-2 MSD
 Matrix: Solid
 Analysis Batch: 38801

Client Sample ID: T-3 (1.5')
 Prep Type: Total/NA
 Prep Batch: 38872

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *1	999	1066		mg/Kg		103	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1010	F1	999	1293	F1	mg/Kg		28	70 - 130	2	20

Surrogate	%Recovery	MSD MSD Qualifier	Limits
1-Chlorooctane	82		70 - 130
o-Terphenyl	75		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-38847/1-A
 Matrix: Solid
 Analysis Batch: 38928

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			11/09/22 02:26	1

Lab Sample ID: LCS 880-38847/2-A
 Matrix: Solid
 Analysis Batch: 38928

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	259.8		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-38847/3-A
 Matrix: Solid
 Analysis Batch: 38928

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	259.0		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 880-21184-A-11-B MS
 Matrix: Solid
 Analysis Batch: 38928

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	15.6		252	265.8		mg/Kg		99	90 - 110

QC Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-21185-1
 SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-21184-A-11-C MSD
Matrix: Solid
Analysis Batch: 38928

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	15.6		252	263.1		mg/Kg		98	90 - 110	1	20

Lab Sample ID: MB 880-38854/1-A
Matrix: Solid
Analysis Batch: 38929

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			11/09/22 01:30	1

Lab Sample ID: LCS 880-38854/2-A
Matrix: Solid
Analysis Batch: 38929

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	260.7		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-38854/3-A
Matrix: Solid
Analysis Batch: 38929

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	274.1		mg/Kg		110	90 - 110	5	20

Lab Sample ID: 880-21185-7 MS
Matrix: Solid
Analysis Batch: 38929

Client Sample ID: T-5 (1.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	4070		1250	5390		mg/Kg		106	90 - 110

Lab Sample ID: 880-21185-7 MSD
Matrix: Solid
Analysis Batch: 38929

Client Sample ID: T-5 (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	4070		1250	5374		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 880-21185-17 MS
Matrix: Solid
Analysis Batch: 38929

Client Sample ID: H-10 (0-0.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	19.1		250	272.9		mg/Kg		102	90 - 110

Lab Sample ID: 880-21185-17 MSD
Matrix: Solid
Analysis Batch: 38929

Client Sample ID: H-10 (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	19.1		250	269.4		mg/Kg		100	90 - 110	1	20

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QC Association Summary

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-21185-1
 SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 38810

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21185-1	T-3 (0-1')	Total/NA	Solid	8021B	38855
880-21185-2	T-3 (1.5')	Total/NA	Solid	8021B	38855
880-21185-3	T-3 (2')	Total/NA	Solid	8021B	38855
880-21185-4	T-3 (3')	Total/NA	Solid	8021B	38855
880-21185-5	T-4 (0-1')	Total/NA	Solid	8021B	38855
880-21185-6	T-5 (0-1')	Total/NA	Solid	8021B	38855
880-21185-7	T-5 (1.5')	Total/NA	Solid	8021B	38855
880-21185-8	T-6 (0-1')	Total/NA	Solid	8021B	38855
880-21185-9	T-6 (1.5')	Total/NA	Solid	8021B	38855
880-21185-10	T-6 (2')	Total/NA	Solid	8021B	38855
880-21185-11	T-6 (3')	Total/NA	Solid	8021B	38855
880-21185-12	H-5 (0-0.5')	Total/NA	Solid	8021B	38855
880-21185-13	H-6 (0-0.5')	Total/NA	Solid	8021B	38855
880-21185-14	H-7 (0-0.5')	Total/NA	Solid	8021B	38855
880-21185-15	H-8 (0-0.5')	Total/NA	Solid	8021B	38855
880-21185-16	H-9 (0-0.5')	Total/NA	Solid	8021B	38855
880-21185-17	H-10 (0-0.5')	Total/NA	Solid	8021B	38855
MB 880-38855/5-A	Method Blank	Total/NA	Solid	8021B	38855
LCS 880-38855/1-A	Lab Control Sample	Total/NA	Solid	8021B	38855
LCSD 880-38855/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	38855
890-3376-A-1-F MS	Matrix Spike	Total/NA	Solid	8021B	38855
890-3376-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	38855

Prep Batch: 38855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21185-1	T-3 (0-1')	Total/NA	Solid	5035	
880-21185-2	T-3 (1.5')	Total/NA	Solid	5035	
880-21185-3	T-3 (2')	Total/NA	Solid	5035	
880-21185-4	T-3 (3')	Total/NA	Solid	5035	
880-21185-5	T-4 (0-1')	Total/NA	Solid	5035	
880-21185-6	T-5 (0-1')	Total/NA	Solid	5035	
880-21185-7	T-5 (1.5')	Total/NA	Solid	5035	
880-21185-8	T-6 (0-1')	Total/NA	Solid	5035	
880-21185-9	T-6 (1.5')	Total/NA	Solid	5035	
880-21185-10	T-6 (2')	Total/NA	Solid	5035	
880-21185-11	T-6 (3')	Total/NA	Solid	5035	
880-21185-12	H-5 (0-0.5')	Total/NA	Solid	5035	
880-21185-13	H-6 (0-0.5')	Total/NA	Solid	5035	
880-21185-14	H-7 (0-0.5')	Total/NA	Solid	5035	
880-21185-15	H-8 (0-0.5')	Total/NA	Solid	5035	
880-21185-16	H-9 (0-0.5')	Total/NA	Solid	5035	
880-21185-17	H-10 (0-0.5')	Total/NA	Solid	5035	
MB 880-38855/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-38855/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-38855/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3376-A-1-F MS	Matrix Spike	Total/NA	Solid	5035	
890-3376-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 39004

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21185-1	T-3 (0-1')	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21185-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Analysis Batch: 39004 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21185-2	T-3 (1.5')	Total/NA	Solid	Total BTEX	
880-21185-3	T-3 (2')	Total/NA	Solid	Total BTEX	
880-21185-4	T-3 (3')	Total/NA	Solid	Total BTEX	
880-21185-5	T-4 (0-1')	Total/NA	Solid	Total BTEX	
880-21185-6	T-5 (0-1')	Total/NA	Solid	Total BTEX	
880-21185-7	T-5 (1.5')	Total/NA	Solid	Total BTEX	
880-21185-8	T-6 (0-1')	Total/NA	Solid	Total BTEX	
880-21185-9	T-6 (1.5')	Total/NA	Solid	Total BTEX	
880-21185-10	T-6 (2')	Total/NA	Solid	Total BTEX	
880-21185-11	T-6 (3')	Total/NA	Solid	Total BTEX	
880-21185-12	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-21185-13	H-6 (0-0.5')	Total/NA	Solid	Total BTEX	
880-21185-14	H-7 (0-0.5')	Total/NA	Solid	Total BTEX	
880-21185-15	H-8 (0-0.5')	Total/NA	Solid	Total BTEX	
880-21185-16	H-9 (0-0.5')	Total/NA	Solid	Total BTEX	
880-21185-17	H-10 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 38798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21185-11	T-6 (3')	Total/NA	Solid	8015B NM	38871
880-21185-12	H-5 (0-0.5')	Total/NA	Solid	8015B NM	38871
880-21185-13	H-6 (0-0.5')	Total/NA	Solid	8015B NM	38871
880-21185-14	H-7 (0-0.5')	Total/NA	Solid	8015B NM	38871
880-21185-15	H-8 (0-0.5')	Total/NA	Solid	8015B NM	38871
880-21185-16	H-9 (0-0.5')	Total/NA	Solid	8015B NM	38871
880-21185-17	H-10 (0-0.5')	Total/NA	Solid	8015B NM	38871
MB 880-38871/1-A	Method Blank	Total/NA	Solid	8015B NM	38871
LCS 880-38871/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	38871
LCSD 880-38871/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	38871
880-21184-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	38871
880-21184-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	38871

Analysis Batch: 38801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21185-1	T-3 (0-1')	Total/NA	Solid	8015B NM	38872
880-21185-2	T-3 (1.5')	Total/NA	Solid	8015B NM	38872
880-21185-3	T-3 (2')	Total/NA	Solid	8015B NM	38872
880-21185-4	T-3 (3')	Total/NA	Solid	8015B NM	38872
880-21185-5	T-4 (0-1')	Total/NA	Solid	8015B NM	38872
880-21185-6	T-5 (0-1')	Total/NA	Solid	8015B NM	38872
880-21185-7	T-5 (1.5')	Total/NA	Solid	8015B NM	38872
880-21185-8	T-6 (0-1')	Total/NA	Solid	8015B NM	38872
880-21185-9	T-6 (1.5')	Total/NA	Solid	8015B NM	38872
880-21185-10	T-6 (2')	Total/NA	Solid	8015B NM	38872
MB 880-38872/1-A	Method Blank	Total/NA	Solid	8015B NM	38872
LCS 880-38872/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	38872
LCSD 880-38872/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	38872
880-21185-2 MS	T-3 (1.5')	Total/NA	Solid	8015B NM	38872
880-21185-2 MSD	T-3 (1.5')	Total/NA	Solid	8015B NM	38872

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QC Association Summary

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-21185-1
 SDG: Lea County, New Mexico

GC Semi VOA

Prep Batch: 38871

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21185-11	T-6 (3')	Total/NA	Solid	8015NM Prep	
880-21185-12	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-21185-13	H-6 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-21185-14	H-7 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-21185-15	H-8 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-21185-16	H-9 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-21185-17	H-10 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-38871/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-38871/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCS 880-38871/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-21184-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-21184-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 38872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21185-1	T-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-21185-2	T-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-21185-3	T-3 (2')	Total/NA	Solid	8015NM Prep	
880-21185-4	T-3 (3')	Total/NA	Solid	8015NM Prep	
880-21185-5	T-4 (0-1')	Total/NA	Solid	8015NM Prep	
880-21185-6	T-5 (0-1')	Total/NA	Solid	8015NM Prep	
880-21185-7	T-5 (1.5')	Total/NA	Solid	8015NM Prep	
880-21185-8	T-6 (0-1')	Total/NA	Solid	8015NM Prep	
880-21185-9	T-6 (1.5')	Total/NA	Solid	8015NM Prep	
880-21185-10	T-6 (2')	Total/NA	Solid	8015NM Prep	
MB 880-38872/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-38872/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCS 880-38872/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-21185-2 MS	T-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-21185-2 MSD	T-3 (1.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 38992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21185-1	T-3 (0-1')	Total/NA	Solid	8015 NM	
880-21185-2	T-3 (1.5')	Total/NA	Solid	8015 NM	
880-21185-3	T-3 (2')	Total/NA	Solid	8015 NM	
880-21185-4	T-3 (3')	Total/NA	Solid	8015 NM	
880-21185-5	T-4 (0-1')	Total/NA	Solid	8015 NM	
880-21185-6	T-5 (0-1')	Total/NA	Solid	8015 NM	
880-21185-7	T-5 (1.5')	Total/NA	Solid	8015 NM	
880-21185-8	T-6 (0-1')	Total/NA	Solid	8015 NM	
880-21185-9	T-6 (1.5')	Total/NA	Solid	8015 NM	
880-21185-10	T-6 (2')	Total/NA	Solid	8015 NM	
880-21185-11	T-6 (3')	Total/NA	Solid	8015 NM	
880-21185-12	H-5 (0-0.5')	Total/NA	Solid	8015 NM	
880-21185-13	H-6 (0-0.5')	Total/NA	Solid	8015 NM	
880-21185-14	H-7 (0-0.5')	Total/NA	Solid	8015 NM	
880-21185-15	H-8 (0-0.5')	Total/NA	Solid	8015 NM	
880-21185-16	H-9 (0-0.5')	Total/NA	Solid	8015 NM	
880-21185-17	H-10 (0-0.5')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21185-1
SDG: Lea County, New Mexico

HPLC/IC

Leach Batch: 38847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21185-1	T-3 (0-1')	Soluble	Solid	DI Leach	
880-21185-2	T-3 (1.5')	Soluble	Solid	DI Leach	
880-21185-3	T-3 (2')	Soluble	Solid	DI Leach	
880-21185-4	T-3 (3')	Soluble	Solid	DI Leach	
880-21185-5	T-4 (0-1')	Soluble	Solid	DI Leach	
880-21185-6	T-5 (0-1')	Soluble	Solid	DI Leach	
MB 880-38847/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-38847/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-38847/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-21184-A-11-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-21184-A-11-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 38854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21185-7	T-5 (1.5')	Soluble	Solid	DI Leach	
880-21185-8	T-6 (0-1')	Soluble	Solid	DI Leach	
880-21185-9	T-6 (1.5')	Soluble	Solid	DI Leach	
880-21185-10	T-6 (2')	Soluble	Solid	DI Leach	
880-21185-11	T-6 (3')	Soluble	Solid	DI Leach	
880-21185-12	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-21185-13	H-6 (0-0.5')	Soluble	Solid	DI Leach	
880-21185-14	H-7 (0-0.5')	Soluble	Solid	DI Leach	
880-21185-15	H-8 (0-0.5')	Soluble	Solid	DI Leach	
880-21185-16	H-9 (0-0.5')	Soluble	Solid	DI Leach	
880-21185-17	H-10 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-38854/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-38854/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-38854/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-21185-7 MS	T-5 (1.5')	Soluble	Solid	DI Leach	
880-21185-7 MSD	T-5 (1.5')	Soluble	Solid	DI Leach	
880-21185-17 MS	H-10 (0-0.5')	Soluble	Solid	DI Leach	
880-21185-17 MSD	H-10 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 38928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21185-1	T-3 (0-1')	Soluble	Solid	300.0	38847
880-21185-2	T-3 (1.5')	Soluble	Solid	300.0	38847
880-21185-3	T-3 (2')	Soluble	Solid	300.0	38847
880-21185-4	T-3 (3')	Soluble	Solid	300.0	38847
880-21185-5	T-4 (0-1')	Soluble	Solid	300.0	38847
880-21185-6	T-5 (0-1')	Soluble	Solid	300.0	38847
MB 880-38847/1-A	Method Blank	Soluble	Solid	300.0	38847
LCS 880-38847/2-A	Lab Control Sample	Soluble	Solid	300.0	38847
LCSD 880-38847/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	38847
880-21184-A-11-B MS	Matrix Spike	Soluble	Solid	300.0	38847
880-21184-A-11-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	38847

Analysis Batch: 38929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21185-7	T-5 (1.5')	Soluble	Solid	300.0	38854
880-21185-8	T-6 (0-1')	Soluble	Solid	300.0	38854

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-21185-1
 SDG: Lea County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 38929 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21185-9	T-6 (1.5')	Soluble	Solid	300.0	38854
880-21185-10	T-6 (2')	Soluble	Solid	300.0	38854
880-21185-11	T-6 (3')	Soluble	Solid	300.0	38854
880-21185-12	H-5 (0-0.5')	Soluble	Solid	300.0	38854
880-21185-13	H-6 (0-0.5')	Soluble	Solid	300.0	38854
880-21185-14	H-7 (0-0.5')	Soluble	Solid	300.0	38854
880-21185-15	H-8 (0-0.5')	Soluble	Solid	300.0	38854
880-21185-16	H-9 (0-0.5')	Soluble	Solid	300.0	38854
880-21185-17	H-10 (0-0.5')	Soluble	Solid	300.0	38854
MB 880-38854/1-A	Method Blank	Soluble	Solid	300.0	38854
LCS 880-38854/2-A	Lab Control Sample	Soluble	Solid	300.0	38854
LCSD 880-38854/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	38854
880-21185-7 MS	T-5 (1.5')	Soluble	Solid	300.0	38854
880-21185-7 MSD	T-5 (1.5')	Soluble	Solid	300.0	38854
880-21185-17 MS	H-10 (0-0.5')	Soluble	Solid	300.0	38854
880-21185-17 MSD	H-10 (0-0.5')	Soluble	Solid	300.0	38854

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Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-21185-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-21185-1

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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	38855	11/07/22 11:02	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38810	11/07/22 15:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39004	11/08/22 13:40	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38992	11/08/22 12:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38872	11/07/22 11:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38801	11/07/22 22:16	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	38847	11/07/22 10:40	SMC	EET MID
Soluble	Analysis	300.0		20			38928	11/09/22 05:26	CH	EET MID

Client Sample ID: T-3 (1.5')

Lab Sample ID: 880-21185-2

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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	38855	11/07/22 11:02	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38810	11/07/22 15:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39004	11/08/22 13:40	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38992	11/08/22 12:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	38872	11/07/22 11:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38801	11/07/22 21:11	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	38847	11/07/22 10:40	SMC	EET MID
Soluble	Analysis	300.0		10			38928	11/09/22 05:34	CH	EET MID

Client Sample ID: T-3 (2')

Lab Sample ID: 880-21185-3

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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			4.98 g	5 mL	38855	11/07/22 11:02	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38810	11/07/22 16:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39004	11/08/22 13:40	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38992	11/08/22 12:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	38872	11/07/22 11:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38801	11/07/22 22:38	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	38847	11/07/22 10:40	SMC	EET MID
Soluble	Analysis	300.0		10			38928	11/09/22 05:41	CH	EET MID

Client Sample ID: T-3 (3')

Lab Sample ID: 880-21185-4

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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	38855	11/07/22 11:02	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38810	11/07/22 16:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39004	11/08/22 13:40	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-21185-1
 SDG: Lea County, New Mexico

Client Sample ID: T-3 (3')

Lab Sample ID: 880-21185-4

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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			38992	11/08/22 12:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38872	11/07/22 11:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38801	11/07/22 22:59	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	38847	11/07/22 10:40	SMC	EET MID
Soluble	Analysis	300.0		1			38928	11/09/22 05:48	CH	EET MID

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

Lab Sample ID: 880-21185-5

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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			5.00 g	5 mL	38855	11/07/22 11:02	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38810	11/07/22 16:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39004	11/08/22 13:40	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38992	11/08/22 12:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	38872	11/07/22 11:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38801	11/07/22 23:21	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	38847	11/07/22 10:40	SMC	EET MID
Soluble	Analysis	300.0		5			38928	11/09/22 05:55	CH	EET MID

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

Lab Sample ID: 880-21185-6

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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	38855	11/07/22 11:02	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38810	11/07/22 17:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39004	11/08/22 13:40	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38992	11/08/22 12:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	38872	11/07/22 11:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38801	11/07/22 23:43	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	38847	11/07/22 10:40	SMC	EET MID
Soluble	Analysis	300.0		10			38928	11/09/22 06:02	CH	EET MID

Client Sample ID: T-5 (1.5')

Lab Sample ID: 880-21185-7

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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	38855	11/07/22 11:02	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38810	11/07/22 17:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39004	11/08/22 13:40	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38992	11/08/22 12:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	38872	11/07/22 11:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38801	11/08/22 00:04	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-21185-1
 SDG: Lea County, New Mexico

Client Sample ID: T-5 (1.5')

Lab Sample ID: 880-21185-7

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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	38854	11/07/22 10:48	SMC	EET MID
Soluble	Analysis	300.0		5			38929	11/09/22 01:45	CH	EET MID

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

Lab Sample ID: 880-21185-8

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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	38855	11/07/22 11:02	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38810	11/07/22 17:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39004	11/08/22 13:40	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38992	11/08/22 12:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	38872	11/07/22 11:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38801	11/08/22 00:25	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	38854	11/07/22 10:48	SMC	EET MID
Soluble	Analysis	300.0		20			38929	11/09/22 01:59	CH	EET MID

Client Sample ID: T-6 (1.5')

Lab Sample ID: 880-21185-9

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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	38855	11/07/22 11:02	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38810	11/07/22 18:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39004	11/08/22 13:40	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38992	11/08/22 12:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38872	11/07/22 11:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38801	11/08/22 00:46	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	38854	11/07/22 10:48	SMC	EET MID
Soluble	Analysis	300.0		1			38929	11/09/22 02:04	CH	EET MID

Client Sample ID: T-6 (2')

Lab Sample ID: 880-21185-10

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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			5.04 g	5 mL	38855	11/07/22 11:02	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38810	11/07/22 20:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39004	11/08/22 13:40	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38992	11/08/22 12:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	38872	11/07/22 11:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38801	11/08/22 01:08	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	38854	11/07/22 10:48	SMC	EET MID
Soluble	Analysis	300.0		1			38929	11/09/22 02:09	CH	EET MID

Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-21185-1
 SDG: Lea County, New Mexico

Client Sample ID: T-6 (3')

Lab Sample ID: 880-21185-11

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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			4.98 g	5 mL	38855	11/07/22 11:02	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38810	11/07/22 20:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39004	11/08/22 13:40	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38992	11/08/22 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	38871	11/07/22 11:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38798	11/08/22 02:54	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	38854	11/07/22 10:48	SMC	EET MID
Soluble	Analysis	300.0		1			38929	11/09/22 02:14	CH	EET MID

Client Sample ID: H-5 (0-0.5')

Lab Sample ID: 880-21185-12

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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	38855	11/07/22 11:02	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38810	11/07/22 20:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39004	11/08/22 13:40	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38992	11/08/22 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38871	11/07/22 11:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38798	11/08/22 03:15	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	38854	11/07/22 10:48	SMC	EET MID
Soluble	Analysis	300.0		1			38929	11/09/22 02:29	CH	EET MID

Client Sample ID: H-6 (0-0.5')

Lab Sample ID: 880-21185-13

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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			5.00 g	5 mL	38855	11/07/22 11:02	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38810	11/07/22 21:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39004	11/08/22 13:40	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38992	11/08/22 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	38871	11/07/22 11:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38798	11/08/22 03:37	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	38854	11/07/22 10:48	SMC	EET MID
Soluble	Analysis	300.0		1			38929	11/09/22 02:34	CH	EET MID

Client Sample ID: H-7 (0-0.5')

Lab Sample ID: 880-21185-14

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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	38855	11/07/22 11:02	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38810	11/07/22 21:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39004	11/08/22 13:40	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-21185-1
 SDG: Lea County, New Mexico

Client Sample ID: H-7 (0-0.5')

Lab Sample ID: 880-21185-14

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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			38992	11/08/22 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	38871	11/07/22 11:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38798	11/08/22 03:58	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	38854	11/07/22 10:48	SMC	EET MID
Soluble	Analysis	300.0		1			38929	11/09/22 02:39	CH	EET MID

Client Sample ID: H-8 (0-0.5')

Lab Sample ID: 880-21185-15

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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	38855	11/07/22 11:02	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38810	11/07/22 21:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39004	11/08/22 13:40	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38992	11/08/22 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	38871	11/07/22 11:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38798	11/08/22 04:19	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	38854	11/07/22 10:48	SMC	EET MID
Soluble	Analysis	300.0		1			38929	11/09/22 02:44	CH	EET MID

Client Sample ID: H-9 (0-0.5')

Lab Sample ID: 880-21185-16

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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	38855	11/07/22 11:02	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38810	11/07/22 22:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39004	11/08/22 13:40	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38992	11/08/22 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38871	11/07/22 11:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38798	11/08/22 04:40	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	38854	11/07/22 10:48	SMC	EET MID
Soluble	Analysis	300.0		1			38929	11/09/22 02:49	CH	EET MID

Client Sample ID: H-10 (0-0.5')

Lab Sample ID: 880-21185-17

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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	38855	11/07/22 11:02	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38810	11/07/22 22:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39004	11/08/22 13:40	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38992	11/08/22 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	38871	11/07/22 11:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38798	11/08/22 05:01	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21185-1
SDG: Lea County, New Mexico

Client Sample ID: H-10 (0-0.5')

Lab Sample ID: 880-21185-17

Date Collected: 11/04/22 00:00

Matrix: Solid

Date Received: 11/07/22 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	38854	11/07/22 10:48	SMC	EET MID
Soluble	Analysis	300.0		1			38929	11/09/22 02:54	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: Modelo 533 Release

Job ID: 880-21185-1
 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	T104704400-22-24	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
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

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Method Summary

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-21185-1
 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	MCAWW	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
- MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
- 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: Modelo 533 Release

Job ID: 880-21185-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-21185-1	T-3 (0-1')	Solid	11/04/22 00:00	11/07/22 09:05
880-21185-2	T-3 (1.5')	Solid	11/04/22 00:00	11/07/22 09:05
880-21185-3	T-3 (2')	Solid	11/04/22 00:00	11/07/22 09:05
880-21185-4	T-3 (3')	Solid	11/04/22 00:00	11/07/22 09:05
880-21185-5	T-4 (0-1')	Solid	11/04/22 00:00	11/07/22 09:05
880-21185-6	T-5 (0-1')	Solid	11/04/22 00:00	11/07/22 09:05
880-21185-7	T-5 (1.5')	Solid	11/04/22 00:00	11/07/22 09:05
880-21185-8	T-6 (0-1')	Solid	11/04/22 00:00	11/07/22 09:05
880-21185-9	T-6 (1.5')	Solid	11/04/22 00:00	11/07/22 09:05
880-21185-10	T-6 (2')	Solid	11/04/22 00:00	11/07/22 09:05
880-21185-11	T-6 (3')	Solid	11/04/22 00:00	11/07/22 09:05
880-21185-12	H-5 (0-0.5')	Solid	11/04/22 00:00	11/07/22 09:05
880-21185-13	H-6 (0-0.5')	Solid	11/04/22 00:00	11/07/22 09:05
880-21185-14	H-7 (0-0.5')	Solid	11/04/22 00:00	11/07/22 09:05
880-21185-15	H-8 (0-0.5')	Solid	11/04/22 00:00	11/07/22 09:05
880-21185-16	H-9 (0-0.5')	Solid	11/04/22 00:00	11/07/22 09:05
880-21185-17	H-10 (0-0.5')	Solid	11/04/22 00:00	11/07/22 09:05

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Project Manager	Conner Moehring	Bill to (if different)	Todd Wells
Company Name	Carmona Resources	Company Name	EOG Resources
Address	310 W Wall St Ste 415	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland, TX 79706
Phone	432-813-6823	Email	Todd Wells@eogresources.com

Work Order No: 21185

Page 1 of 2

Work Order Comments

Program: UST/PST PRP Brownfields RC Partund

State of Project

Reporting Level II Level III ST/UST RRP Level IV

Deliverables EDD ADAPT Other

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters			Preservative Codes
							BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0	
T-3 (0-1')	11/4/2022		X		G	1	X	X	X	None NO DI Water- H ₂ O
T-3 (1.5')	11/4/2022		X		G	1	X	X	X	Cool Cool MeOH Me
T-3 (2')	11/4/2022		X		G	1	X	X	X	HCL HC HNO ₃ HN
T-3 (3')	11/4/2022		X		G	1	X	X	X	H ₂ SO ₄ H ₂ NaOH Na
T-4 (0-1')	11/4/2022		X		G	1	X	X	X	H ₃ PO ₄ , HP NaHSO ₄ , NABIS
T-5 (0-1')	11/4/2022		X		G	1	X	X	X	Na ₂ S ₂ O ₃ , NaSO ₃ Zn Acetate+NaOH Zn
T-5 (1.5')	11/4/2022		X		G	1	X	X	X	NaOH+Ascorbic Acid SAPC
T-6 (0-1')	11/4/2022		X		G	1	X	X	X	
T-6 (1.5')	11/4/2022		X		G	1	X	X	X	
T-6 (2')	11/4/2022		X		G	1	X	X	X	

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com



Sample Comments
UDZ

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
<i>[Signature]</i>	11/12/22	<i>[Signature]</i>	

Project Manager	Conner Moehring	Bill To (if different)	Todd Wells
Company Name	Carmona Resources	Company Name	EOG Resources
Address	310 W Wall St Ste 415	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland, TX 79706
Phone	432-813-6823	Email	Todd Wells@eogresources.com

Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> State of Project: <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other <input type="checkbox"/>	Work Order Comments <input type="checkbox"/> IBC <input type="checkbox"/> Inperfund <input type="checkbox"/> Level IV
--	---

Project Name	Modelo 533 Release	
Project Number	1171	Turn Around <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush
Project Location	Lea County, New Mexico	Due Date
Sample's Name	CRM	72 Hrs
PO #		
SAMPLE RECEIPT	Temp Blank	Yes No
Received In tact:	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

Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0
Pres. Code			

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	ANALYSIS REQUEST										Preservative Codes	
T-6 (3')	11/4/2022		X		G	1	X	X	X	X								None NO DI Water H ₂ O
H-5 (0-0 5')	11/4/2022		X		G	1	X	X	X	X								Cool Cool MeOH Me
H-6 (0-0 5')	11/4/2022		X		G	1	X	X	X	X								HCL HC HNO ₃ HN
H-7 (0-0 5')	11/4/2022		X		G	1	X	X	X	X								H ₂ SO ₄ H ₂ NaOH Na
H-8 (0-0 5')	11/4/2022		X		G	1	X	X	X	X								H ₃ PO ₄ HP
H-9 (0-0 5')	11/4/2022		X		G	1	X	X	X	X								NaHSO ₄ NABIS
H-10 (0-0 5')	11/4/2022		X		G	1	X	X	X	X								Na ₂ S ₂ O ₃ NaSO ₃

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>Conner Moehring</i>	11/1/23 9 05	<i>[Signature]</i>	

Loc: 880
21185

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Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-21185-1
SDG Number: Lea County, New Mexico

Login Number: 21185

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 8/9/2023 9:18:43 PM

JOB DESCRIPTION

Modelo 533 Release
 SDG NUMBER Lea County, New Mexico

JOB NUMBER

880-31820-1

Eurofins Midland
 1211 W. Florida Ave
 Midland TX 79701



Eurofins Midland

Job Notes

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

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

Authorization



Generated
8/9/2023 9:18:43 PM

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

Client: Carmona Resources
Project/Site: Modelo 533 Release

Laboratory Job ID: 880-31820-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-31820-1
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.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-31820-1
SDG: Lea County, New Mexico

Job ID: 880-31820-1**Laboratory: Eurofins Midland****Narrative**

Job Narrative
880-31820-1

Receipt

The samples were received on 8/8/2023 3:57 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.6°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS-1 (4') (880-31820-1), CS-2 (4') (880-31820-2), CS-3 (4') (880-31820-3), CS-4 (4') (880-31820-4), CS-5 (4') (880-31820-5), CS-6 (4') (880-31820-6), CS-7 (4') (880-31820-7), CS-8 (4') (880-31820-8), CS-9 (4') (880-31820-9), CS-10 (4') (880-31820-10), CS-11 (4') (880-31820-11), CS-12 (4') (880-31820-12), CS-13 (4') (880-31820-13), CS-14 (3.5') (880-31820-14), CS-15 (3.5') (880-31820-15), CS-16 (3.5') (880-31820-16), CS-17 (3.5') (880-31820-17), CS-18 (3') (880-31820-18), CS-19 (3') (880-31820-19), CS-20 (3') (880-31820-20), CS-21 (3') (880-31820-21), CS-22 (3') (880-31820-22), CS-23 (3') (880-31820-23), CS-24 (3') (880-31820-24), SW-1 (4') (880-31820-25), SW-2 (4') (880-31820-26), SW-3 (4') (880-31820-27), SW-4 (4') (880-31820-28), SW-5 (4') (880-31820-29), SW-6 (4') (880-31820-30), SW-7 (3.5') (880-31820-31), SW-8 (3.5') (880-31820-32), SW-9 (3.5') (880-31820-33), SW-10 (0.5') (880-31820-34), SW-11 (0.5') (880-31820-35), SW-12 (0.5') (880-31820-36), SW-13 (3') (880-31820-37), SW-14 (3') (880-31820-38) and SW-15 (3') (880-31820-39).

GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-59697 recovered above the upper control limit for Benzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-59697/20).

Method 8021B: Surrogate recovery for the following samples were outside control limits: SW-3 (4') (880-31820-27), SW-4 (4') (880-31820-28) and SW-5 (4') (880-31820-29). 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: SW-8 (3.5') (880-31820-32), SW-10 (0.5') (880-31820-34), SW-13 (3') (880-31820-37) and SW-15 (3') (880-31820-39). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-59696 recovered above the upper control limit for Benzene and m-Xylene & p-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-59696/2).

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-9 (4') (880-31820-9), CS-13 (4') (880-31820-13), CS-15 (3.5') (880-31820-15), CS-19 (3') (880-31820-19) and CS-20 (3') (880-31820-20). 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: (CCV 880-59689/20), (CCV 880-59689/31), (CCV 880-59689/5), (LCS 880-59654/2-A) and (LCSD 880-59654/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-59656 and analytical batch 880-59691 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SW-3 (4') (880-31820-27) and SW-13 (3') (880-31820-37). 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: (CCV 880-59691/20), (CCV 880-59691/31) and (CCV 880-59691/5). Evidence of matrix interferences is not obvious.

Case Narrative

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-31820-1
SDG: Lea County, New Mexico

Job ID: 880-31820-1 (Continued)

Laboratory: Eurofins Midland (Continued)

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 880-59675 and 880-59675 and analytical batch 880-59729 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.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-59676 and analytical batch 880-59731 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

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Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-1 (4')

Lab Sample ID: 880-31820-1

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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		08/09/23 09:04	08/09/23 12:14	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/09/23 09:04	08/09/23 12:14	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/09/23 09:04	08/09/23 12:14	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/09/23 09:04	08/09/23 12:14	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/09/23 09:04	08/09/23 12:14	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/09/23 09:04	08/09/23 12:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130	08/09/23 09:04	08/09/23 12:14	1
1,4-Difluorobenzene (Surr)	106		70 - 130	08/09/23 09:04	08/09/23 12:14	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			08/09/23 21:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			08/09/23 22:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		08/08/23 16:25	08/09/23 10:18	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		08/08/23 16:25	08/09/23 10:18	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		08/08/23 16:25	08/09/23 10:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130	08/08/23 16:25	08/09/23 10:18	1
o-Terphenyl	102		70 - 130	08/08/23 16:25	08/09/23 10:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	172	F1	5.02		mg/Kg			08/08/23 22:59	1

Client Sample ID: CS-2 (4')

Lab Sample ID: 880-31820-2

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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		08/09/23 09:04	08/09/23 12:35	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/09/23 09:04	08/09/23 12:35	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/09/23 09:04	08/09/23 12:35	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/09/23 09:04	08/09/23 12:35	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/09/23 09:04	08/09/23 12:35	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/09/23 09:04	08/09/23 12:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	08/09/23 09:04	08/09/23 12:35	1
1,4-Difluorobenzene (Surr)	113		70 - 130	08/09/23 09:04	08/09/23 12:35	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-2 (4')

Lab Sample ID: 880-31820-2

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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			08/09/23 21:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/09/23 22:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/08/23 16:25	08/09/23 11:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/08/23 16:25	08/09/23 11:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/08/23 16:25	08/09/23 11:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				08/08/23 16:25	08/09/23 11:26	1
o-Terphenyl	93		70 - 130				08/08/23 16:25	08/09/23 11:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	434		4.98		mg/Kg			08/08/23 23:14	1

Client Sample ID: CS-3 (4')

Lab Sample ID: 880-31820-3

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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		08/09/23 09:04	08/09/23 12:55	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/09/23 09:04	08/09/23 12:55	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/09/23 09:04	08/09/23 12:55	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/09/23 09:04	08/09/23 12:55	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/09/23 09:04	08/09/23 12:55	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/09/23 09:04	08/09/23 12:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				08/09/23 09:04	08/09/23 12:55	1
1,4-Difluorobenzene (Surr)	108		70 - 130				08/09/23 09:04	08/09/23 12:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/09/23 21:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/09/23 22:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/08/23 16:25	08/09/23 11:48	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/08/23 16:25	08/09/23 11:48	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-3 (4')

Lab Sample ID: 880-31820-3

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/08/23 16:25	08/09/23 11:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130				08/08/23 16:25	08/09/23 11:48	1
o-Terphenyl	104		70 - 130				08/08/23 16:25	08/09/23 11:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	185		5.05		mg/Kg			08/08/23 23:19	1

Client Sample ID: CS-4 (4')

Lab Sample ID: 880-31820-4

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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		08/09/23 09:04	08/09/23 13:16	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/09/23 09:04	08/09/23 13:16	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/09/23 09:04	08/09/23 13:16	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/09/23 09:04	08/09/23 13:16	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/09/23 09:04	08/09/23 13:16	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/09/23 09:04	08/09/23 13:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				08/09/23 09:04	08/09/23 13:16	1
1,4-Difluorobenzene (Surr)	120		70 - 130				08/09/23 09:04	08/09/23 13:16	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/09/23 21:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			08/09/23 22:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		08/08/23 16:25	08/09/23 12:10	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		08/08/23 16:25	08/09/23 12:10	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/08/23 16:25	08/09/23 12:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				08/08/23 16:25	08/09/23 12:10	1
o-Terphenyl	84		70 - 130				08/08/23 16:25	08/09/23 12:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	119		4.99		mg/Kg			08/08/23 23:24	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-5 (4')

Lab Sample ID: 880-31820-5

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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		08/09/23 09:04	08/09/23 13:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/09/23 09:04	08/09/23 13:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/09/23 09:04	08/09/23 13:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/09/23 09:04	08/09/23 13:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/09/23 09:04	08/09/23 13:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/09/23 09:04	08/09/23 13:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	08/09/23 09:04	08/09/23 13:37	1
1,4-Difluorobenzene (Surr)	113		70 - 130	08/09/23 09:04	08/09/23 13:37	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			08/09/23 21:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			08/09/23 22:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		08/08/23 16:25	08/09/23 12:33	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		08/08/23 16:25	08/09/23 12:33	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/08/23 16:25	08/09/23 12:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130	08/08/23 16:25	08/09/23 12:33	1
o-Terphenyl	100		70 - 130	08/08/23 16:25	08/09/23 12:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	188		4.97		mg/Kg			08/08/23 23:29	1

Client Sample ID: CS-6 (4')

Lab Sample ID: 880-31820-6

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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		08/09/23 09:04	08/09/23 13:57	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/09/23 09:04	08/09/23 13:57	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/09/23 09:04	08/09/23 13:57	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/09/23 09:04	08/09/23 13:57	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/09/23 09:04	08/09/23 13:57	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/09/23 09:04	08/09/23 13:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	08/09/23 09:04	08/09/23 13:57	1
1,4-Difluorobenzene (Surr)	116		70 - 130	08/09/23 09:04	08/09/23 13:57	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-6 (4')

Lab Sample ID: 880-31820-6

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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			08/09/23 21:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/09/23 22:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/08/23 16:25	08/09/23 12:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/08/23 16:25	08/09/23 12:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/08/23 16:25	08/09/23 12:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130	08/08/23 16:25	08/09/23 12:55	1
o-Terphenyl	108		70 - 130	08/08/23 16:25	08/09/23 12:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	319		5.04		mg/Kg			08/08/23 23:44	1

Client Sample ID: CS-7 (4')

Lab Sample ID: 880-31820-7

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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		08/09/23 09:04	08/09/23 14:18	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/09/23 09:04	08/09/23 14:18	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/09/23 09:04	08/09/23 14:18	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/09/23 09:04	08/09/23 14:18	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/09/23 09:04	08/09/23 14:18	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/09/23 09:04	08/09/23 14:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	08/09/23 09:04	08/09/23 14:18	1
1,4-Difluorobenzene (Surr)	114		70 - 130	08/09/23 09:04	08/09/23 14:18	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			08/09/23 21:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			08/09/23 22:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		08/08/23 16:25	08/09/23 13:17	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		08/08/23 16:25	08/09/23 13:17	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-7 (4')

Lab Sample ID: 880-31820-7

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/08/23 16:25	08/09/23 13:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				08/08/23 16:25	08/09/23 13:17	1
o-Terphenyl	95		70 - 130				08/08/23 16:25	08/09/23 13:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	125		4.95		mg/Kg			08/08/23 23:49	1

Client Sample ID: CS-8 (4')

Lab Sample ID: 880-31820-8

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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		08/09/23 09:04	08/09/23 14:39	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/09/23 09:04	08/09/23 14:39	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/09/23 09:04	08/09/23 14:39	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/09/23 09:04	08/09/23 14:39	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/09/23 09:04	08/09/23 14:39	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/09/23 09:04	08/09/23 14:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130				08/09/23 09:04	08/09/23 14:39	1
1,4-Difluorobenzene (Surr)	113		70 - 130				08/09/23 09:04	08/09/23 14:39	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			08/09/23 21:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	89.8		50.4		mg/Kg			08/09/23 22:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		08/08/23 16:25	08/09/23 13:39	1
Diesel Range Organics (Over C10-C28)	89.8		50.4		mg/Kg		08/08/23 16:25	08/09/23 13:39	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/08/23 16:25	08/09/23 13:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				08/08/23 16:25	08/09/23 13:39	1
o-Terphenyl	101		70 - 130				08/08/23 16:25	08/09/23 13:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	289		4.98		mg/Kg			08/08/23 23:54	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-9 (4')

Lab Sample ID: 880-31820-9

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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		08/09/23 09:04	08/09/23 15:00	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/09/23 09:04	08/09/23 15:00	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/09/23 09:04	08/09/23 15:00	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/09/23 09:04	08/09/23 15:00	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/09/23 09:04	08/09/23 15:00	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/09/23 09:04	08/09/23 15:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	08/09/23 09:04	08/09/23 15:00	1
1,4-Difluorobenzene (Surr)	115		70 - 130	08/09/23 09:04	08/09/23 15:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/09/23 21:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			08/09/23 22:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		08/08/23 16:25	08/09/23 14:01	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		08/08/23 16:25	08/09/23 14:01	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		08/08/23 16:25	08/09/23 14:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130	08/08/23 16:25	08/09/23 14:01	1
o-Terphenyl	116		70 - 130	08/08/23 16:25	08/09/23 14:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	252		4.96		mg/Kg			08/08/23 23:59	1

Client Sample ID: CS-10 (4')

Lab Sample ID: 880-31820-10

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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		08/09/23 09:04	08/09/23 15:20	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/09/23 09:04	08/09/23 15:20	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/09/23 09:04	08/09/23 15:20	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/09/23 09:04	08/09/23 15:20	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/09/23 09:04	08/09/23 15:20	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/09/23 09:04	08/09/23 15:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130	08/09/23 09:04	08/09/23 15:20	1
1,4-Difluorobenzene (Surr)	112		70 - 130	08/09/23 09:04	08/09/23 15:20	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-10 (4')

Lab Sample ID: 880-31820-10

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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			08/09/23 21:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			08/09/23 22:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		08/08/23 16:25	08/09/23 14:24	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		08/08/23 16:25	08/09/23 14:24	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/08/23 16:25	08/09/23 14:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130	08/08/23 16:25	08/09/23 14:24	1
o-Terphenyl	104		70 - 130	08/08/23 16:25	08/09/23 14:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.4		5.02		mg/Kg			08/09/23 00:04	1

Client Sample ID: CS-11 (4')

Lab Sample ID: 880-31820-11

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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		08/09/23 09:04	08/09/23 16:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/09/23 09:04	08/09/23 16:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/09/23 09:04	08/09/23 16:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/09/23 09:04	08/09/23 16:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/09/23 09:04	08/09/23 16:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/09/23 09:04	08/09/23 16:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130	08/09/23 09:04	08/09/23 16:43	1
1,4-Difluorobenzene (Surr)	106		70 - 130	08/09/23 09:04	08/09/23 16:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			08/09/23 21:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/09/23 22:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/08/23 16:25	08/09/23 15:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/08/23 16:25	08/09/23 15:55	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-11 (4')

Lab Sample ID: 880-31820-11

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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		08/08/23 16:25	08/09/23 15:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				08/08/23 16:25	08/09/23 15:55	1
o-Terphenyl	100		70 - 130				08/08/23 16:25	08/09/23 15:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	335	F1	4.97		mg/Kg			08/09/23 00:09	1

Client Sample ID: CS-12 (4')

Lab Sample ID: 880-31820-12

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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		08/09/23 09:04	08/09/23 17:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/09/23 09:04	08/09/23 17:04	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/09/23 09:04	08/09/23 17:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/09/23 09:04	08/09/23 17:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/09/23 09:04	08/09/23 17:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/09/23 09:04	08/09/23 17:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				08/09/23 09:04	08/09/23 17:04	1
1,4-Difluorobenzene (Surr)	113		70 - 130				08/09/23 09:04	08/09/23 17:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/09/23 21:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	62.9		49.9		mg/Kg			08/09/23 22:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/08/23 16:25	08/09/23 16:18	1
Diesel Range Organics (Over C10-C28)	62.9		49.9		mg/Kg		08/08/23 16:25	08/09/23 16:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/08/23 16:25	08/09/23 16:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				08/08/23 16:25	08/09/23 16:18	1
o-Terphenyl	97		70 - 130				08/08/23 16:25	08/09/23 16:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	230		5.03		mg/Kg			08/09/23 00:24	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-13 (4')

Lab Sample ID: 880-31820-13

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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		08/09/23 09:04	08/09/23 17:25	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/09/23 09:04	08/09/23 17:25	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/09/23 09:04	08/09/23 17:25	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/09/23 09:04	08/09/23 17:25	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/09/23 09:04	08/09/23 17:25	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/09/23 09:04	08/09/23 17:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	08/09/23 09:04	08/09/23 17:25	1
1,4-Difluorobenzene (Surr)	114		70 - 130	08/09/23 09:04	08/09/23 17:25	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			08/09/23 21:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	235		50.3		mg/Kg			08/09/23 22:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		08/08/23 16:25	08/09/23 16:40	1
Diesel Range Organics (Over C10-C28)	235		50.3		mg/Kg		08/08/23 16:25	08/09/23 16:40	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		08/08/23 16:25	08/09/23 16:40	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	183	S1+	70 - 130	08/08/23 16:25	08/09/23 16:40	1			
o-Terphenyl	133	S1+	70 - 130	08/08/23 16:25	08/09/23 16:40	1			

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	189		5.05		mg/Kg			08/09/23 00:29	1

Client Sample ID: CS-14 (3.5')

Lab Sample ID: 880-31820-14

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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		08/09/23 09:04	08/09/23 17:46	1
Toluene	0.00232		0.00200		mg/Kg		08/09/23 09:04	08/09/23 17:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/09/23 09:04	08/09/23 17:46	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/09/23 09:04	08/09/23 17:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/09/23 09:04	08/09/23 17:46	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/09/23 09:04	08/09/23 17:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	08/09/23 09:04	08/09/23 17:46	1
1,4-Difluorobenzene (Surr)	116		70 - 130	08/09/23 09:04	08/09/23 17:46	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-14 (3.5')

Lab Sample ID: 880-31820-14

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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			08/09/23 21:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	91.8		49.7		mg/Kg			08/09/23 22:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/08/23 16:25	08/09/23 17:03	1
Diesel Range Organics (Over C10-C28)	91.8		49.7		mg/Kg		08/08/23 16:25	08/09/23 17:03	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/08/23 16:25	08/09/23 17:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130				08/08/23 16:25	08/09/23 17:03	1
o-Terphenyl	95		70 - 130				08/08/23 16:25	08/09/23 17:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	470		4.99		mg/Kg			08/09/23 00:43	1

Client Sample ID: CS-15 (3.5')

Lab Sample ID: 880-31820-15

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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		08/09/23 09:04	08/09/23 18:07	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/09/23 09:04	08/09/23 18:07	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/09/23 09:04	08/09/23 18:07	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		08/09/23 09:04	08/09/23 18:07	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/09/23 09:04	08/09/23 18:07	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		08/09/23 09:04	08/09/23 18:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130				08/09/23 09:04	08/09/23 18:07	1
1,4-Difluorobenzene (Surr)	118		70 - 130				08/09/23 09:04	08/09/23 18:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			08/09/23 21:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	70.4		50.5		mg/Kg			08/09/23 22:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		08/08/23 16:25	08/09/23 17:25	1
Diesel Range Organics (Over C10-C28)	70.4		50.5		mg/Kg		08/08/23 16:25	08/09/23 17:25	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-15 (3.5')

Lab Sample ID: 880-31820-15

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		08/08/23 16:25	08/09/23 17:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130				08/08/23 16:25	08/09/23 17:25	1
o-Terphenyl	61	S1-	70 - 130				08/08/23 16:25	08/09/23 17:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	222		5.00		mg/Kg			08/09/23 00:48	1

Client Sample ID: CS-16 (3.5')

Lab Sample ID: 880-31820-16

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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		08/09/23 09:04	08/09/23 18:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/09/23 09:04	08/09/23 18:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/09/23 09:04	08/09/23 18:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/09/23 09:04	08/09/23 18:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/09/23 09:04	08/09/23 18:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/09/23 09:04	08/09/23 18:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				08/09/23 09:04	08/09/23 18:27	1
1,4-Difluorobenzene (Surr)	115		70 - 130				08/09/23 09:04	08/09/23 18:27	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			08/09/23 21:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	97.9		50.2		mg/Kg			08/09/23 22:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		08/08/23 16:25	08/09/23 17:47	1
Diesel Range Organics (Over C10-C28)	97.9		50.2		mg/Kg		08/08/23 16:25	08/09/23 17:47	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		08/08/23 16:25	08/09/23 17:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				08/08/23 16:25	08/09/23 17:47	1
o-Terphenyl	98		70 - 130				08/08/23 16:25	08/09/23 17:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	377		5.01		mg/Kg			08/09/23 00:53	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-17 (3.5')

Lab Sample ID: 880-31820-17

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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		08/09/23 09:04	08/09/23 18:48	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/09/23 09:04	08/09/23 18:48	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/09/23 09:04	08/09/23 18:48	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/09/23 09:04	08/09/23 18:48	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/09/23 09:04	08/09/23 18:48	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/09/23 09:04	08/09/23 18:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130	08/09/23 09:04	08/09/23 18:48	1
1,4-Difluorobenzene (Surr)	114		70 - 130	08/09/23 09:04	08/09/23 18:48	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			08/09/23 21:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			08/09/23 22:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		08/08/23 16:25	08/09/23 18:10	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		08/08/23 16:25	08/09/23 18:10	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		08/08/23 16:25	08/09/23 18:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130	08/08/23 16:25	08/09/23 18:10	1
o-Terphenyl	104		70 - 130	08/08/23 16:25	08/09/23 18:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	68.7		4.98		mg/Kg			08/09/23 00:58	1

Client Sample ID: CS-18 (3')

Lab Sample ID: 880-31820-18

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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		08/09/23 09:04	08/09/23 19:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/09/23 09:04	08/09/23 19:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/09/23 09:04	08/09/23 19:09	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/09/23 09:04	08/09/23 19:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/09/23 09:04	08/09/23 19:09	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/09/23 09:04	08/09/23 19:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	08/09/23 09:04	08/09/23 19:09	1
1,4-Difluorobenzene (Surr)	112		70 - 130	08/09/23 09:04	08/09/23 19:09	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-18 (3')

Lab Sample ID: 880-31820-18

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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			08/09/23 21:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/09/23 22:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/08/23 16:25	08/09/23 18:32	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/08/23 16:25	08/09/23 18:32	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/08/23 16:25	08/09/23 18:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				08/08/23 16:25	08/09/23 18:32	1
o-Terphenyl	107		70 - 130				08/08/23 16:25	08/09/23 18:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	79.8		4.96		mg/Kg			08/09/23 01:03	1

Client Sample ID: CS-19 (3')

Lab Sample ID: 880-31820-19

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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		08/09/23 09:04	08/09/23 19:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/09/23 09:04	08/09/23 19:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/09/23 09:04	08/09/23 19:30	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/09/23 09:04	08/09/23 19:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/09/23 09:04	08/09/23 19:30	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/09/23 09:04	08/09/23 19:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130				08/09/23 09:04	08/09/23 19:30	1
1,4-Difluorobenzene (Surr)	114		70 - 130				08/09/23 09:04	08/09/23 19:30	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			08/09/23 21:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/09/23 22:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/08/23 16:25	08/09/23 18:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/08/23 16:25	08/09/23 18:54	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-19 (3')

Lab Sample ID: 880-31820-19

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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		08/08/23 16:25	08/09/23 18:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	155	S1+	70 - 130				08/08/23 16:25	08/09/23 18:54	1
o-Terphenyl	126		70 - 130				08/08/23 16:25	08/09/23 18:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	126		4.97		mg/Kg			08/09/23 01:08	1

Client Sample ID: CS-20 (3')

Lab Sample ID: 880-31820-20

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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		08/09/23 09:04	08/09/23 19:50	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/09/23 09:04	08/09/23 19:50	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/09/23 09:04	08/09/23 19:50	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/09/23 09:04	08/09/23 19:50	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/09/23 09:04	08/09/23 19:50	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/09/23 09:04	08/09/23 19:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				08/09/23 09:04	08/09/23 19:50	1
1,4-Difluorobenzene (Surr)	111		70 - 130				08/09/23 09:04	08/09/23 19:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/09/23 21:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/09/23 22:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/08/23 16:25	08/09/23 19:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/08/23 16:25	08/09/23 19:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/08/23 16:25	08/09/23 19:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	66	S1-	70 - 130				08/08/23 16:25	08/09/23 19:17	1
o-Terphenyl	55	S1-	70 - 130				08/08/23 16:25	08/09/23 19:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	35.9		4.95		mg/Kg			08/09/23 01:13	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-21 (3')

Lab Sample ID: 880-31820-21

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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		08/09/23 09:11	08/09/23 13:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/09/23 09:11	08/09/23 13:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/09/23 09:11	08/09/23 13:11	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/09/23 09:11	08/09/23 13:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/09/23 09:11	08/09/23 13:11	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/09/23 09:11	08/09/23 13:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	08/09/23 09:11	08/09/23 13:11	1
1,4-Difluorobenzene (Surr)	88		70 - 130	08/09/23 09:11	08/09/23 13:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/09/23 21:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			08/09/23 22:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		08/08/23 16:35	08/09/23 10:18	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		08/08/23 16:35	08/09/23 10:18	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/08/23 16:35	08/09/23 10:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	08/08/23 16:35	08/09/23 10:18	1
o-Terphenyl	110		70 - 130	08/08/23 16:35	08/09/23 10:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	189	F1	5.01		mg/Kg			08/09/23 01:53	1

Client Sample ID: CS-22 (3')

Lab Sample ID: 880-31820-22

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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		08/09/23 09:11	08/09/23 13:31	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/09/23 09:11	08/09/23 13:31	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/09/23 09:11	08/09/23 13:31	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/09/23 09:11	08/09/23 13:31	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/09/23 09:11	08/09/23 13:31	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/09/23 09:11	08/09/23 13:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	08/09/23 09:11	08/09/23 13:31	1
1,4-Difluorobenzene (Surr)	75		70 - 130	08/09/23 09:11	08/09/23 13:31	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-22 (3')

Lab Sample ID: 880-31820-22

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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			08/09/23 21:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	64.3		50.3		mg/Kg			08/09/23 22:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		08/08/23 16:35	08/09/23 11:26	1
Diesel Range Organics (Over C10-C28)	64.3		50.3		mg/Kg		08/08/23 16:35	08/09/23 11:26	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		08/08/23 16:35	08/09/23 11:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				08/08/23 16:35	08/09/23 11:26	1
o-Terphenyl	109		70 - 130				08/08/23 16:35	08/09/23 11:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	26.3		4.98		mg/Kg			08/09/23 02:08	1

Client Sample ID: CS-23 (3')

Lab Sample ID: 880-31820-23

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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		08/09/23 09:11	08/09/23 13:52	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/09/23 09:11	08/09/23 13:52	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/09/23 09:11	08/09/23 13:52	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/09/23 09:11	08/09/23 13:52	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/09/23 09:11	08/09/23 13:52	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/09/23 09:11	08/09/23 13:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130				08/09/23 09:11	08/09/23 13:52	1
1,4-Difluorobenzene (Surr)	77		70 - 130				08/09/23 09:11	08/09/23 13:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/09/23 21:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	104		50.5		mg/Kg			08/09/23 22:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		08/08/23 16:35	08/09/23 11:48	1
Diesel Range Organics (Over C10-C28)	104		50.5		mg/Kg		08/08/23 16:35	08/09/23 11:48	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-23 (3')

Lab Sample ID: 880-31820-23

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		08/08/23 16:35	08/09/23 11:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				08/08/23 16:35	08/09/23 11:48	1
o-Terphenyl	95		70 - 130				08/08/23 16:35	08/09/23 11:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	35.2		4.97		mg/Kg			08/09/23 02:13	1

Client Sample ID: CS-24 (3')

Lab Sample ID: 880-31820-24

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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		08/09/23 09:11	08/09/23 14:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/09/23 09:11	08/09/23 14:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/09/23 09:11	08/09/23 14:13	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/09/23 09:11	08/09/23 14:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/09/23 09:11	08/09/23 14:13	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/09/23 09:11	08/09/23 14:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				08/09/23 09:11	08/09/23 14:13	1
1,4-Difluorobenzene (Surr)	85		70 - 130				08/09/23 09:11	08/09/23 14:13	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			08/09/23 21:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	61.0		50.5		mg/Kg			08/09/23 22:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		08/08/23 16:35	08/09/23 12:10	1
Diesel Range Organics (Over C10-C28)	61.0		50.5		mg/Kg		08/08/23 16:35	08/09/23 12:10	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		08/08/23 16:35	08/09/23 12:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				08/08/23 16:35	08/09/23 12:10	1
o-Terphenyl	96		70 - 130				08/08/23 16:35	08/09/23 12:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.3		5.02		mg/Kg			08/09/23 02:18	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

Client Sample ID: SW-1 (4')

Lab Sample ID: 880-31820-25

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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		08/09/23 09:11	08/09/23 14:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/09/23 09:11	08/09/23 14:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/09/23 09:11	08/09/23 14:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/09/23 09:11	08/09/23 14:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/09/23 09:11	08/09/23 14:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/09/23 09:11	08/09/23 14:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	08/09/23 09:11	08/09/23 14:33	1
1,4-Difluorobenzene (Surr)	81		70 - 130	08/09/23 09:11	08/09/23 14:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/09/23 21:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/09/23 22:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/08/23 16:35	08/09/23 12:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/08/23 16:35	08/09/23 12:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/08/23 16:35	08/09/23 12:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	08/08/23 16:35	08/09/23 12:33	1
o-Terphenyl	118		70 - 130	08/08/23 16:35	08/09/23 12:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	161		4.95		mg/Kg			08/09/23 02:23	1

Client Sample ID: SW-2 (4')

Lab Sample ID: 880-31820-26

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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		08/09/23 09:11	08/09/23 14:54	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/09/23 09:11	08/09/23 14:54	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/09/23 09:11	08/09/23 14:54	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/09/23 09:11	08/09/23 14:54	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/09/23 09:11	08/09/23 14:54	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/09/23 09:11	08/09/23 14:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	08/09/23 09:11	08/09/23 14:54	1
1,4-Difluorobenzene (Surr)	87		70 - 130	08/09/23 09:11	08/09/23 14:54	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

Client Sample ID: SW-2 (4')

Lab Sample ID: 880-31820-26

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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			08/09/23 21:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			08/09/23 22:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		08/08/23 16:35	08/09/23 12:55	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		08/08/23 16:35	08/09/23 12:55	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/08/23 16:35	08/09/23 12:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				08/08/23 16:35	08/09/23 12:55	1
o-Terphenyl	113		70 - 130				08/08/23 16:35	08/09/23 12:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	213		5.04		mg/Kg			08/09/23 02:37	1

Client Sample ID: SW-3 (4')

Lab Sample ID: 880-31820-27

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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		08/09/23 09:11	08/09/23 15:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/09/23 09:11	08/09/23 15:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/09/23 09:11	08/09/23 15:14	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/09/23 09:11	08/09/23 15:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/09/23 09:11	08/09/23 15:14	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/09/23 09:11	08/09/23 15:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				08/09/23 09:11	08/09/23 15:14	1
1,4-Difluorobenzene (Surr)	68	S1-	70 - 130				08/09/23 09:11	08/09/23 15:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			08/09/23 21:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			08/09/23 22:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/08/23 16:35	08/09/23 13:17	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/08/23 16:35	08/09/23 13:17	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

Client Sample ID: SW-3 (4')

Lab Sample ID: 880-31820-27

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/08/23 16:35	08/09/23 13:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130				08/08/23 16:35	08/09/23 13:17	1
o-Terphenyl	140	S1+	70 - 130				08/08/23 16:35	08/09/23 13:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	242		4.99		mg/Kg			08/09/23 02:42	1

Client Sample ID: SW-4 (4')

Lab Sample ID: 880-31820-28

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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		08/09/23 09:11	08/09/23 15:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/09/23 09:11	08/09/23 15:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/09/23 09:11	08/09/23 15:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/09/23 09:11	08/09/23 15:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/09/23 09:11	08/09/23 15:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/09/23 09:11	08/09/23 15:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130				08/09/23 09:11	08/09/23 15:35	1
1,4-Difluorobenzene (Surr)	58	S1-	70 - 130				08/09/23 09:11	08/09/23 15:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/09/23 21:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/09/23 22:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/08/23 16:35	08/09/23 13:39	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/08/23 16:35	08/09/23 13:39	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/08/23 16:35	08/09/23 13:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				08/08/23 16:35	08/09/23 13:39	1
o-Terphenyl	109		70 - 130				08/08/23 16:35	08/09/23 13:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	137		4.98		mg/Kg			08/09/23 02:48	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

Client Sample ID: SW-5 (4')

Lab Sample ID: 880-31820-29

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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		08/09/23 09:11	08/09/23 15:55	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/09/23 09:11	08/09/23 15:55	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/09/23 09:11	08/09/23 15:55	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/09/23 09:11	08/09/23 15:55	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/09/23 09:11	08/09/23 15:55	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/09/23 09:11	08/09/23 15:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	08/09/23 09:11	08/09/23 15:55	1
1,4-Difluorobenzene (Surr)	62	S1-	70 - 130	08/09/23 09:11	08/09/23 15:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/09/23 21:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	372		49.7		mg/Kg			08/09/23 22:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/08/23 16:35	08/09/23 14:01	1
Diesel Range Organics (Over C10-C28)	261		49.7		mg/Kg		08/08/23 16:35	08/09/23 14:01	1
Oil Range Organics (Over C28-C36)	111		49.7		mg/Kg		08/08/23 16:35	08/09/23 14:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130	08/08/23 16:35	08/09/23 14:01	1
o-Terphenyl	122		70 - 130	08/08/23 16:35	08/09/23 14:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	109		4.96		mg/Kg			08/09/23 02:53	1

Client Sample ID: SW-6 (4')

Lab Sample ID: 880-31820-30

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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		08/09/23 09:11	08/09/23 16:16	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/09/23 09:11	08/09/23 16:16	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/09/23 09:11	08/09/23 16:16	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/09/23 09:11	08/09/23 16:16	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/09/23 09:11	08/09/23 16:16	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/09/23 09:11	08/09/23 16:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	08/09/23 09:11	08/09/23 16:16	1
1,4-Difluorobenzene (Surr)	75		70 - 130	08/09/23 09:11	08/09/23 16:16	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

Client Sample ID: SW-6 (4')

Lab Sample ID: 880-31820-30

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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			08/09/23 21:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	421		50.3		mg/Kg			08/09/23 22:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		08/08/23 16:35	08/09/23 14:24	1
Diesel Range Organics (Over C10-C28)	362		50.3		mg/Kg		08/08/23 16:35	08/09/23 14:24	1
Oil Range Organics (Over C28-C36)	59.3		50.3		mg/Kg		08/08/23 16:35	08/09/23 14:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				08/08/23 16:35	08/09/23 14:24	1
o-Terphenyl	94		70 - 130				08/08/23 16:35	08/09/23 14:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	191		5.02		mg/Kg			08/09/23 02:58	1

Client Sample ID: SW-7 (3.5')

Lab Sample ID: 880-31820-31

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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		08/09/23 09:11	08/09/23 17:39	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/09/23 09:11	08/09/23 17:39	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/09/23 09:11	08/09/23 17:39	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/09/23 09:11	08/09/23 17:39	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/09/23 09:11	08/09/23 17:39	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/09/23 09:11	08/09/23 17:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				08/09/23 09:11	08/09/23 17:39	1
1,4-Difluorobenzene (Surr)	80		70 - 130				08/09/23 09:11	08/09/23 17:39	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/09/23 21:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			08/09/23 22:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		08/08/23 16:35	08/09/23 15:55	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

Client Sample ID: SW-7 (3.5')

Lab Sample ID: 880-31820-31

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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)	<50.4	U	50.4		mg/Kg		08/08/23 16:35	08/09/23 15:55	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/08/23 16:35	08/09/23 15:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				08/08/23 16:35	08/09/23 15:55	1
o-Terphenyl	106		70 - 130				08/08/23 16:35	08/09/23 15:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	179	F1	4.97		mg/Kg			08/09/23 03:02	1

Client Sample ID: SW-8 (3.5')

Lab Sample ID: 880-31820-32

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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		08/09/23 09:11	08/09/23 18:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/09/23 09:11	08/09/23 18:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/09/23 09:11	08/09/23 18:00	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/09/23 09:11	08/09/23 18:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/09/23 09:11	08/09/23 18:00	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/09/23 09:11	08/09/23 18:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				08/09/23 09:11	08/09/23 18:00	1
1,4-Difluorobenzene (Surr)	62	S1-	70 - 130				08/09/23 09:11	08/09/23 18:00	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			08/09/23 21:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			08/09/23 22:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		08/08/23 16:35	08/09/23 16:18	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		08/08/23 16:35	08/09/23 16:18	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/08/23 16:35	08/09/23 16:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				08/08/23 16:35	08/09/23 16:18	1
o-Terphenyl	116		70 - 130				08/08/23 16:35	08/09/23 16:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	311		5.00		mg/Kg			08/09/23 03:17	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

Client Sample ID: SW-9 (3.5')

Lab Sample ID: 880-31820-33

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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		08/09/23 09:11	08/09/23 18:21	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/09/23 09:11	08/09/23 18:21	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/09/23 09:11	08/09/23 18:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/09/23 09:11	08/09/23 18:21	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/09/23 09:11	08/09/23 18:21	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/09/23 09:11	08/09/23 18:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130	08/09/23 09:11	08/09/23 18:21	1
1,4-Difluorobenzene (Surr)	77		70 - 130	08/09/23 09:11	08/09/23 18:21	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			08/09/23 21:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			08/09/23 22:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		08/08/23 16:35	08/09/23 16:40	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		08/08/23 16:35	08/09/23 16:40	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/08/23 16:35	08/09/23 16:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	08/08/23 16:35	08/09/23 16:40	1
o-Terphenyl	120		70 - 130	08/08/23 16:35	08/09/23 16:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	136		4.99		mg/Kg			08/09/23 03:22	1

Client Sample ID: SW-10 (0.5')

Lab Sample ID: 880-31820-34

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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		08/09/23 09:11	08/09/23 18:41	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/09/23 09:11	08/09/23 18:41	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/09/23 09:11	08/09/23 18:41	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/09/23 09:11	08/09/23 18:41	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/09/23 09:11	08/09/23 18:41	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/09/23 09:11	08/09/23 18:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	08/09/23 09:11	08/09/23 18:41	1
1,4-Difluorobenzene (Surr)	62	S1-	70 - 130	08/09/23 09:11	08/09/23 18:41	1

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

Client Sample ID: SW-10 (0.5')

Lab Sample ID: 880-31820-34

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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			08/09/23 21:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/09/23 22:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/08/23 16:35	08/09/23 17:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/08/23 16:35	08/09/23 17:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/08/23 16:35	08/09/23 17:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				08/08/23 16:35	08/09/23 17:03	1
o-Terphenyl	119		70 - 130				08/08/23 16:35	08/09/23 17:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	374		5.01		mg/Kg			08/09/23 03:37	1

Client Sample ID: SW-11 (0.5')

Lab Sample ID: 880-31820-35

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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		08/09/23 09:11	08/09/23 19:02	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/09/23 09:11	08/09/23 19:02	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/09/23 09:11	08/09/23 19:02	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/09/23 09:11	08/09/23 19:02	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/09/23 09:11	08/09/23 19:02	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/09/23 09:11	08/09/23 19:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				08/09/23 09:11	08/09/23 19:02	1
1,4-Difluorobenzene (Surr)	77		70 - 130				08/09/23 09:11	08/09/23 19:02	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			08/09/23 21:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	63.5		50.0		mg/Kg			08/09/23 22:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/08/23 16:35	08/09/23 17:25	1
Diesel Range Organics (Over C10-C28)	63.5		50.0		mg/Kg		08/08/23 16:35	08/09/23 17:25	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

Client Sample ID: SW-11 (0.5')

Lab Sample ID: 880-31820-35

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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		08/08/23 16:35	08/09/23 17:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				08/08/23 16:35	08/09/23 17:25	1
o-Terphenyl	106		70 - 130				08/08/23 16:35	08/09/23 17:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	381		5.03		mg/Kg			08/09/23 03:42	1

Client Sample ID: SW-12 (0.5')

Lab Sample ID: 880-31820-36

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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		08/09/23 09:11	08/09/23 19:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/09/23 09:11	08/09/23 19:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/09/23 09:11	08/09/23 19:22	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/09/23 09:11	08/09/23 19:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/09/23 09:11	08/09/23 19:22	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/09/23 09:11	08/09/23 19:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				08/09/23 09:11	08/09/23 19:22	1
1,4-Difluorobenzene (Surr)	77		70 - 130				08/09/23 09:11	08/09/23 19:22	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			08/09/23 21:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			08/09/23 22:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		08/08/23 16:35	08/09/23 17:47	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		08/08/23 16:35	08/09/23 17:47	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/08/23 16:35	08/09/23 17:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				08/08/23 16:35	08/09/23 17:47	1
o-Terphenyl	122		70 - 130				08/08/23 16:35	08/09/23 17:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	82.9		5.00		mg/Kg			08/09/23 03:47	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

Client Sample ID: SW-13 (3')

Lab Sample ID: 880-31820-37

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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		08/09/23 09:11	08/09/23 19:43	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/09/23 09:11	08/09/23 19:43	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/09/23 09:11	08/09/23 19:43	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		08/09/23 09:11	08/09/23 19:43	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/09/23 09:11	08/09/23 19:43	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		08/09/23 09:11	08/09/23 19:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	48	S1-	70 - 130	08/09/23 09:11	08/09/23 19:43	1
1,4-Difluorobenzene (Surr)	104		70 - 130	08/09/23 09:11	08/09/23 19:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			08/09/23 21:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			08/09/23 22:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		08/08/23 16:35	08/09/23 18:10	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		08/08/23 16:35	08/09/23 18:10	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		08/08/23 16:35	08/09/23 18:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	154	S1+	70 - 130	08/08/23 16:35	08/09/23 18:10	1
o-Terphenyl	157	S1+	70 - 130	08/08/23 16:35	08/09/23 18:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	113		5.01		mg/Kg			08/09/23 03:52	1

Client Sample ID: SW-14 (3')

Lab Sample ID: 880-31820-38

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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		08/09/23 09:11	08/09/23 20:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/09/23 09:11	08/09/23 20:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/09/23 09:11	08/09/23 20:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/09/23 09:11	08/09/23 20:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/09/23 09:11	08/09/23 20:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/09/23 09:11	08/09/23 20:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	08/09/23 09:11	08/09/23 20:03	1
1,4-Difluorobenzene (Surr)	76		70 - 130	08/09/23 09:11	08/09/23 20:03	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

Client Sample ID: SW-14 (3')

Lab Sample ID: 880-31820-38

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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			08/09/23 21:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	122		49.7		mg/Kg			08/09/23 22:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/08/23 16:35	08/09/23 18:32	1
Diesel Range Organics (Over C10-C28)	122		49.7		mg/Kg		08/08/23 16:35	08/09/23 18:32	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/08/23 16:35	08/09/23 18:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				08/08/23 16:35	08/09/23 18:32	1
o-Terphenyl	110		70 - 130				08/08/23 16:35	08/09/23 18:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	440		4.99		mg/Kg			08/09/23 03:57	1

Client Sample ID: SW-15 (3')

Lab Sample ID: 880-31820-39

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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		08/09/23 09:11	08/09/23 20:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/09/23 09:11	08/09/23 20:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/09/23 09:11	08/09/23 20:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/09/23 09:11	08/09/23 20:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/09/23 09:11	08/09/23 20:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/09/23 09:11	08/09/23 20:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				08/09/23 09:11	08/09/23 20:24	1
1,4-Difluorobenzene (Surr)	52	S1-	70 - 130				08/09/23 09:11	08/09/23 20:24	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			08/09/23 21:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			08/09/23 22:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		08/08/23 16:35	08/09/23 18:54	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		08/08/23 16:35	08/09/23 18:54	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

Client Sample ID: SW-15 (3')

Lab Sample ID: 880-31820-39

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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)	<50.3	U	50.3		mg/Kg		08/08/23 16:35	08/09/23 18:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130				08/08/23 16:35	08/09/23 18:54	1
o-Terphenyl	122		70 - 130				08/08/23 16:35	08/09/23 18:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	50.8		4.99		mg/Kg			08/09/23 04:02	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-31820-1
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)
880-31820-1	CS-1 (4')	82	106
880-31820-1 MS	CS-1 (4')	101	100
880-31820-1 MSD	CS-1 (4')	85	106
880-31820-2	CS-2 (4')	88	113
880-31820-3	CS-3 (4')	88	108
880-31820-4	CS-4 (4')	89	120
880-31820-5	CS-5 (4')	88	113
880-31820-6	CS-6 (4')	86	116
880-31820-7	CS-7 (4')	87	114
880-31820-8	CS-8 (4')	87	113
880-31820-9	CS-9 (4')	90	115
880-31820-10	CS-10 (4')	83	112
880-31820-11	CS-11 (4')	78	106
880-31820-12	CS-12 (4')	88	113
880-31820-13	CS-13 (4')	91	114
880-31820-14	CS-14 (3.5')	87	116
880-31820-15	CS-15 (3.5')	86	118
880-31820-16	CS-16 (3.5')	92	115
880-31820-17	CS-17 (3.5')	81	114
880-31820-18	CS-18 (3')	90	112
880-31820-19	CS-19 (3')	87	114
880-31820-20	CS-20 (3')	89	111
880-31820-21	CS-21 (3')	87	88
880-31820-21 MS	CS-21 (3')	110	117
880-31820-21 MSD	CS-21 (3')	110	125
880-31820-22	CS-22 (3')	85	75
880-31820-23	CS-23 (3')	81	77
880-31820-24	CS-24 (3')	92	85
880-31820-25	SW-1 (4')	89	81
880-31820-26	SW-2 (4')	88	87
880-31820-27	SW-3 (4')	90	68 S1-
880-31820-28	SW-4 (4')	87	58 S1-
880-31820-29	SW-5 (4')	85	62 S1-
880-31820-30	SW-6 (4')	89	75
880-31820-31	SW-7 (3.5')	88	80
880-31820-32	SW-8 (3.5')	90	62 S1-
880-31820-33	SW-9 (3.5')	78	77
880-31820-34	SW-10 (0.5')	93	62 S1-
880-31820-35	SW-11 (0.5')	88	77
880-31820-36	SW-12 (0.5')	90	77
880-31820-37	SW-13 (3')	48 S1-	104
880-31820-38	SW-14 (3')	87	76
880-31820-39	SW-15 (3')	89	52 S1-
LCS 880-59698/1-A	Lab Control Sample	90	96
LCS 880-59705/1-A	Lab Control Sample	115	113
LCSD 880-59698/2-A	Lab Control Sample Dup	89	105
LCSD 880-59705/2-A	Lab Control Sample Dup	108	118
MB 880-59698/5-A	Method Blank	77	93
MB 880-59705/5-A	Method Blank	72	81

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Surrogate Summary

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

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)
880-31820-1	CS-1 (4')	123	102
880-31820-1 MS	CS-1 (4')	127	92
880-31820-1 MSD	CS-1 (4')	123	90
880-31820-2	CS-2 (4')	117	93
880-31820-3	CS-3 (4')	125	104
880-31820-4	CS-4 (4')	99	84
880-31820-5	CS-5 (4')	118	100
880-31820-6	CS-6 (4')	130	108
880-31820-7	CS-7 (4')	120	95
880-31820-8	CS-8 (4')	121	101
880-31820-9	CS-9 (4')	135 S1+	116
880-31820-10	CS-10 (4')	127	104
880-31820-11	CS-11 (4')	122	100
880-31820-12	CS-12 (4')	121	97
880-31820-13	CS-13 (4')	183 S1+	133 S1+
880-31820-14	CS-14 (3.5')	124	95
880-31820-15	CS-15 (3.5')	76	61 S1-
880-31820-16	CS-16 (3.5')	121	98
880-31820-17	CS-17 (3.5')	124	104
880-31820-18	CS-18 (3')	126	107
880-31820-19	CS-19 (3')	155 S1+	126
880-31820-20	CS-20 (3')	66 S1-	55 S1-
880-31820-21	CS-21 (3')	102	110
880-31820-21 MS	CS-21 (3')	130	129
880-31820-21 MSD	CS-21 (3')	113	111
880-31820-22	CS-22 (3')	109	109
880-31820-23	CS-23 (3')	93	95
880-31820-24	CS-24 (3')	97	96
880-31820-25	SW-1 (4')	111	118
880-31820-26	SW-2 (4')	110	113
880-31820-27	SW-3 (4')	131 S1+	140 S1+
880-31820-28	SW-4 (4')	103	109
880-31820-29	SW-5 (4')	117	122
880-31820-30	SW-6 (4')	93	94
880-31820-31	SW-7 (3.5')	100	106
880-31820-32	SW-8 (3.5')	105	116
880-31820-33	SW-9 (3.5')	109	120
880-31820-34	SW-10 (0.5')	115	119
880-31820-35	SW-11 (0.5')	106	106
880-31820-36	SW-12 (0.5')	121	122
880-31820-37	SW-13 (3')	154 S1+	157 S1+
880-31820-38	SW-14 (3')	114	110
880-31820-39	SW-15 (3')	124	122
LCS 880-59654/2-A	Lab Control Sample	133 S1+	111
LCS 880-59656/2-A	Lab Control Sample	96	107
LCSD 880-59654/3-A	Lab Control Sample Dup	147 S1+	123

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Surrogate Summary

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-31820-1
SDG: Lea County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
LCSD 880-59656/3-A	Lab Control Sample Dup	94	107
MB 880-59654/1-A	Method Blank	129	112
MB 880-59656/1-A	Method Blank	123	137 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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

QC Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-59698/5-A
 Matrix: Solid
 Analysis Batch: 59697

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 59698

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/09/23 09:04	08/09/23 11:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/09/23 09:04	08/09/23 11:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/09/23 09:04	08/09/23 11:52	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/09/23 09:04	08/09/23 11:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/09/23 09:04	08/09/23 11:52	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/09/23 09:04	08/09/23 11:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	77		70 - 130	08/09/23 09:04	08/09/23 11:52	1
1,4-Difluorobenzene (Surr)	93		70 - 130	08/09/23 09:04	08/09/23 11:52	1

Lab Sample ID: LCS 880-59698/1-A
 Matrix: Solid
 Analysis Batch: 59697

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 59698

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09501		mg/Kg		95	70 - 130
Toluene	0.100	0.09179		mg/Kg		92	70 - 130
Ethylbenzene	0.100	0.07961		mg/Kg		80	70 - 130
m-Xylene & p-Xylene	0.200	0.1714		mg/Kg		86	70 - 130
o-Xylene	0.100	0.08469		mg/Kg		85	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: LCSD 880-59698/2-A
 Matrix: Solid
 Analysis Batch: 59697

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 59698

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1113		mg/Kg		111	70 - 130	16	35
Toluene	0.100	0.09997		mg/Kg		100	70 - 130	9	35
Ethylbenzene	0.100	0.08488		mg/Kg		85	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.1795		mg/Kg		90	70 - 130	5	35
o-Xylene	0.100	0.08851		mg/Kg		89	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	89		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 880-31820-1 MS
 Matrix: Solid
 Analysis Batch: 59697

Client Sample ID: CS-1 (4')
 Prep Type: Total/NA
 Prep Batch: 59698

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.0996	0.1124		mg/Kg		112	70 - 130
Toluene	<0.00202	U	0.0996	0.1122		mg/Kg		113	70 - 130

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QC Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-31820-1 MS
 Matrix: Solid
 Analysis Batch: 59697

Client Sample ID: CS-1 (4')
 Prep Type: Total/NA
 Prep Batch: 59698

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00202	U	0.0996	0.09896		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	<0.00403	U	0.199	0.2140		mg/Kg		107	70 - 130
o-Xylene	<0.00202	U	0.0996	0.1042		mg/Kg		105	70 - 130

Surrogate	MS %Recovery	MS Qualifier	MS Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 880-31820-1 MSD
 Matrix: Solid
 Analysis Batch: 59697

Client Sample ID: CS-1 (4')
 Prep Type: Total/NA
 Prep Batch: 59698

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.0998	0.1080		mg/Kg		108	70 - 130	4	35
Toluene	<0.00202	U	0.0998	0.09688		mg/Kg		97	70 - 130	15	35
Ethylbenzene	<0.00202	U	0.0998	0.08058		mg/Kg		81	70 - 130	20	35
m-Xylene & p-Xylene	<0.00403	U	0.200	0.1687		mg/Kg		85	70 - 130	24	35
o-Xylene	<0.00202	U	0.0998	0.08228		mg/Kg		82	70 - 130	24	35

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
4-Bromofluorobenzene (Surr)	85		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: MB 880-59705/5-A
 Matrix: Solid
 Analysis Batch: 59696

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 59705

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/09/23 09:11	08/09/23 12:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/09/23 09:11	08/09/23 12:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/09/23 09:11	08/09/23 12:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/09/23 09:11	08/09/23 12:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/09/23 09:11	08/09/23 12:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/09/23 09:11	08/09/23 12:49	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	72		70 - 130	08/09/23 09:11	08/09/23 12:49	1
1,4-Difluorobenzene (Surr)	81		70 - 130	08/09/23 09:11	08/09/23 12:49	1

Lab Sample ID: LCS 880-59705/1-A
 Matrix: Solid
 Analysis Batch: 59696

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 59705

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1283		mg/Kg		128	70 - 130
Toluene	0.100	0.1093		mg/Kg		109	70 - 130
Ethylbenzene	0.100	0.1164		mg/Kg		116	70 - 130
m-Xylene & p-Xylene	0.200	0.2540		mg/Kg		127	70 - 130

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QC Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-59705/1-A
Matrix: Solid
Analysis Batch: 59696

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 59705

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.1212		mg/Kg		121	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: LCSD 880-59705/2-A
Matrix: Solid
Analysis Batch: 59696

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 59705

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1304		mg/Kg		130	70 - 130	2	35
Toluene	0.100	0.1066		mg/Kg		107	70 - 130	2	35
Ethylbenzene	0.100	0.1086		mg/Kg		109	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.2348		mg/Kg		117	70 - 130	8	35
o-Xylene	0.100	0.1125		mg/Kg		112	70 - 130	7	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	118		70 - 130

Lab Sample ID: 880-31820-21 MS
Matrix: Solid
Analysis Batch: 59696

Client Sample ID: CS-21 (3')
Prep Type: Total/NA
Prep Batch: 59705

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0996	0.1176		mg/Kg		118	70 - 130
Toluene	<0.00200	U	0.0996	0.09822		mg/Kg		98	70 - 130
Ethylbenzene	<0.00200	U	0.0996	0.1012		mg/Kg		102	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.199	0.2193		mg/Kg		110	70 - 130
o-Xylene	<0.00200	U	0.0996	0.1051		mg/Kg		106	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	117		70 - 130

Lab Sample ID: 880-31820-21 MSD
Matrix: Solid
Analysis Batch: 59696

Client Sample ID: CS-21 (3')
Prep Type: Total/NA
Prep Batch: 59705

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00200	U	0.101	0.1305		mg/Kg		129	70 - 130	10	35
Toluene	<0.00200	U	0.101	0.1053		mg/Kg		104	70 - 130	7	35
Ethylbenzene	<0.00200	U	0.101	0.1106		mg/Kg		110	70 - 130	9	35
m-Xylene & p-Xylene	<0.00399	U	0.202	0.2382		mg/Kg		118	70 - 130	8	35
o-Xylene	<0.00200	U	0.101	0.1142		mg/Kg		113	70 - 130	8	35

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QC Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-31820-21 MSD
 Matrix: Solid
 Analysis Batch: 59696

Client Sample ID: CS-21 (3')
 Prep Type: Total/NA
 Prep Batch: 59705

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	125		70 - 130

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

Lab Sample ID: MB 880-59654/1-A
 Matrix: Solid
 Analysis Batch: 59689

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 59654

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		08/08/23 16:24	08/09/23 07:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/08/23 16:24	08/09/23 07:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/08/23 16:24	08/09/23 07:42	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	129		70 - 130	08/08/23 16:24	08/09/23 07:42	1
o-Terphenyl	112		70 - 130	08/08/23 16:24	08/09/23 07:42	1

Lab Sample ID: LCS 880-59654/2-A
 Matrix: Solid
 Analysis Batch: 59689

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 59654

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	1000	711.4		mg/Kg		71	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	133	S1+	70 - 130
o-Terphenyl	111		70 - 130

Lab Sample ID: LCSD 880-59654/3-A
 Matrix: Solid
 Analysis Batch: 59689

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 59654

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1036		mg/Kg		104	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	1000	749.3		mg/Kg		75	70 - 130	5	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	147	S1+	70 - 130
o-Terphenyl	123		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-31820-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-31820-1 MS
Matrix: Solid
Analysis Batch: 59689

Client Sample ID: CS-1 (4')
Prep Type: Total/NA
Prep Batch: 59654

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier					
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	993	1038		mg/Kg		100		70 - 130
Diesel Range Organics (Over C10-C28)	<50.3	U	993	1248		mg/Kg		122		70 - 130
Surrogate	%Recovery	Qualifier	Limits	MS	MS					
1-Chlorooctane	127		70 - 130							
o-Terphenyl	92		70 - 130							

Lab Sample ID: 880-31820-1 MSD
Matrix: Solid
Analysis Batch: 59689

Client Sample ID: CS-1 (4')
Prep Type: Total/NA
Prep Batch: 59654

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	993	979.7		mg/Kg		94		70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<50.3	U	993	1219		mg/Kg		119		70 - 130	2	20
Surrogate	%Recovery	Qualifier	Limits	MSD	MSD							
1-Chlorooctane	123		70 - 130									
o-Terphenyl	90		70 - 130									

Lab Sample ID: MB 880-59656/1-A
Matrix: Solid
Analysis Batch: 59691

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 59656

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		08/08/23 16:35	08/09/23 07:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/08/23 16:35	08/09/23 07:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/08/23 16:35	08/09/23 07:42	1
Surrogate	%Recovery	Qualifier	Limits	MB	MB	Prepared	Analyzed	Dil Fac	
1-Chlorooctane	123		70 - 130			08/08/23 16:35	08/09/23 07:42	1	
o-Terphenyl	137	S1+	70 - 130			08/08/23 16:35	08/09/23 07:42	1	

Lab Sample ID: LCS 880-59656/2-A
Matrix: Solid
Analysis Batch: 59691

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 59656

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	Limits
Diesel Range Organics (Over C10-C28)	1000	869.0		mg/Kg		87		70 - 130

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QC Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-59656/2-A
Matrix: Solid
Analysis Batch: 59691

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 59656

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	96		70 - 130
o-Terphenyl	107		70 - 130

Lab Sample ID: LCSD 880-59656/3-A
Matrix: Solid
Analysis Batch: 59691

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 59656

Analyte	Spike Added	LCSD		Unit	D	%Rec	%Rec		RPD	Limit
		Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	1000	873.7		mg/Kg		87	70 - 130	3	20	
Diesel Range Organics (Over C10-C28)	1000	852.4		mg/Kg		85	70 - 130	2	20	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	94		70 - 130
o-Terphenyl	107		70 - 130

Lab Sample ID: 880-31820-21 MS
Matrix: Solid
Analysis Batch: 59691

Client Sample ID: CS-21 (3')
Prep Type: Total/NA
Prep Batch: 59656

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	994	1046		mg/Kg		103	70 - 130			
Diesel Range Organics (Over C10-C28)	<50.4	U	994	1178		mg/Kg		118	70 - 130			

Surrogate	MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	130		70 - 130
o-Terphenyl	129		70 - 130

Lab Sample ID: 880-31820-21 MSD
Matrix: Solid
Analysis Batch: 59691

Client Sample ID: CS-21 (3')
Prep Type: Total/NA
Prep Batch: 59656

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	994	929.1		mg/Kg		91	70 - 130	12	20	
Diesel Range Organics (Over C10-C28)	<50.4	U	994	1026		mg/Kg		103	70 - 130	14	20	

Surrogate	MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	113		70 - 130
o-Terphenyl	111		70 - 130

QC Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-59675/1-A
 Matrix: Solid
 Analysis Batch: 59729

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			08/08/23 22:44	1

Lab Sample ID: LCS 880-59675/2-A
 Matrix: Solid
 Analysis Batch: 59729

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	240.2		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-59675/3-A
 Matrix: Solid
 Analysis Batch: 59729

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	258.1		mg/Kg		103	90 - 110	7	20

Lab Sample ID: 880-31820-1 MS
 Matrix: Solid
 Analysis Batch: 59729

Client Sample ID: CS-1 (4')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	172	F1	251	425.0		mg/Kg		101	90 - 110

Lab Sample ID: 880-31820-1 MSD
 Matrix: Solid
 Analysis Batch: 59729

Client Sample ID: CS-1 (4')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	172	F1	251	450.8	F1	mg/Kg		111	90 - 110	6	20

Lab Sample ID: 880-31820-11 MS
 Matrix: Solid
 Analysis Batch: 59729

Client Sample ID: CS-11 (4')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	335	F1	249	551.8	F1	mg/Kg		87	90 - 110

Lab Sample ID: 880-31820-11 MSD
 Matrix: Solid
 Analysis Batch: 59729

Client Sample ID: CS-11 (4')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	335	F1	249	579.8		mg/Kg		98	90 - 110	5	20

Lab Sample ID: MB 880-59676/1-A
 Matrix: Solid
 Analysis Batch: 59731

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			08/09/23 01:38	1

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QC Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-59676/2-A
 Matrix: Solid
 Analysis Batch: 59731

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	241.2		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-59676/3-A
 Matrix: Solid
 Analysis Batch: 59731

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	255.4		mg/Kg		102	90 - 110	6	20

Lab Sample ID: 880-31820-21 MS
 Matrix: Solid
 Analysis Batch: 59731

Client Sample ID: CS-21 (3')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	189	F1	251	403.9	F1	mg/Kg		86	90 - 110

Lab Sample ID: 880-31820-21 MSD
 Matrix: Solid
 Analysis Batch: 59731

Client Sample ID: CS-21 (3')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	189	F1	251	428.3		mg/Kg		96	90 - 110	6	20

Lab Sample ID: 880-31820-31 MS
 Matrix: Solid
 Analysis Batch: 59731

Client Sample ID: SW-7 (3.5')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	179	F1	249	436.3		mg/Kg		104	90 - 110

Lab Sample ID: 880-31820-31 MSD
 Matrix: Solid
 Analysis Batch: 59731

Client Sample ID: SW-7 (3.5')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	179	F1	249	464.1	F1	mg/Kg		115	90 - 110	6	20

QC Association Summary

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 59696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31820-21	CS-21 (3')	Total/NA	Solid	8021B	59705
880-31820-22	CS-22 (3')	Total/NA	Solid	8021B	59705
880-31820-23	CS-23 (3')	Total/NA	Solid	8021B	59705
880-31820-24	CS-24 (3')	Total/NA	Solid	8021B	59705
880-31820-25	SW-1 (4')	Total/NA	Solid	8021B	59705
880-31820-26	SW-2 (4')	Total/NA	Solid	8021B	59705
880-31820-27	SW-3 (4')	Total/NA	Solid	8021B	59705
880-31820-28	SW-4 (4')	Total/NA	Solid	8021B	59705
880-31820-29	SW-5 (4')	Total/NA	Solid	8021B	59705
880-31820-30	SW-6 (4')	Total/NA	Solid	8021B	59705
880-31820-31	SW-7 (3.5')	Total/NA	Solid	8021B	59705
880-31820-32	SW-8 (3.5')	Total/NA	Solid	8021B	59705
880-31820-33	SW-9 (3.5')	Total/NA	Solid	8021B	59705
880-31820-34	SW-10 (0.5')	Total/NA	Solid	8021B	59705
880-31820-35	SW-11 (0.5')	Total/NA	Solid	8021B	59705
880-31820-36	SW-12 (0.5')	Total/NA	Solid	8021B	59705
880-31820-37	SW-13 (3')	Total/NA	Solid	8021B	59705
880-31820-38	SW-14 (3')	Total/NA	Solid	8021B	59705
880-31820-39	SW-15 (3')	Total/NA	Solid	8021B	59705
MB 880-59705/5-A	Method Blank	Total/NA	Solid	8021B	59705
LCS 880-59705/1-A	Lab Control Sample	Total/NA	Solid	8021B	59705
LCSD 880-59705/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	59705
880-31820-21 MS	CS-21 (3')	Total/NA	Solid	8021B	59705
880-31820-21 MSD	CS-21 (3')	Total/NA	Solid	8021B	59705

Analysis Batch: 59697

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31820-1	CS-1 (4')	Total/NA	Solid	8021B	59698
880-31820-2	CS-2 (4')	Total/NA	Solid	8021B	59698
880-31820-3	CS-3 (4')	Total/NA	Solid	8021B	59698
880-31820-4	CS-4 (4')	Total/NA	Solid	8021B	59698
880-31820-5	CS-5 (4')	Total/NA	Solid	8021B	59698
880-31820-6	CS-6 (4')	Total/NA	Solid	8021B	59698
880-31820-7	CS-7 (4')	Total/NA	Solid	8021B	59698
880-31820-8	CS-8 (4')	Total/NA	Solid	8021B	59698
880-31820-9	CS-9 (4')	Total/NA	Solid	8021B	59698
880-31820-10	CS-10 (4')	Total/NA	Solid	8021B	59698
880-31820-11	CS-11 (4')	Total/NA	Solid	8021B	59698
880-31820-12	CS-12 (4')	Total/NA	Solid	8021B	59698
880-31820-13	CS-13 (4')	Total/NA	Solid	8021B	59698
880-31820-14	CS-14 (3.5')	Total/NA	Solid	8021B	59698
880-31820-15	CS-15 (3.5')	Total/NA	Solid	8021B	59698
880-31820-16	CS-16 (3.5')	Total/NA	Solid	8021B	59698
880-31820-17	CS-17 (3.5')	Total/NA	Solid	8021B	59698
880-31820-18	CS-18 (3')	Total/NA	Solid	8021B	59698
880-31820-19	CS-19 (3')	Total/NA	Solid	8021B	59698
880-31820-20	CS-20 (3')	Total/NA	Solid	8021B	59698
MB 880-59698/5-A	Method Blank	Total/NA	Solid	8021B	59698
LCS 880-59698/1-A	Lab Control Sample	Total/NA	Solid	8021B	59698
LCSD 880-59698/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	59698
880-31820-1 MS	CS-1 (4')	Total/NA	Solid	8021B	59698

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

GC VOA (Continued)

Analysis Batch: 59697 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31820-1 MSD	CS-1 (4')	Total/NA	Solid	8021B	59698

Prep Batch: 59698

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31820-1	CS-1 (4')	Total/NA	Solid	5035	
880-31820-2	CS-2 (4')	Total/NA	Solid	5035	
880-31820-3	CS-3 (4')	Total/NA	Solid	5035	
880-31820-4	CS-4 (4')	Total/NA	Solid	5035	
880-31820-5	CS-5 (4')	Total/NA	Solid	5035	
880-31820-6	CS-6 (4')	Total/NA	Solid	5035	
880-31820-7	CS-7 (4')	Total/NA	Solid	5035	
880-31820-8	CS-8 (4')	Total/NA	Solid	5035	
880-31820-9	CS-9 (4')	Total/NA	Solid	5035	
880-31820-10	CS-10 (4')	Total/NA	Solid	5035	
880-31820-11	CS-11 (4')	Total/NA	Solid	5035	
880-31820-12	CS-12 (4')	Total/NA	Solid	5035	
880-31820-13	CS-13 (4')	Total/NA	Solid	5035	
880-31820-14	CS-14 (3.5')	Total/NA	Solid	5035	
880-31820-15	CS-15 (3.5')	Total/NA	Solid	5035	
880-31820-16	CS-16 (3.5')	Total/NA	Solid	5035	
880-31820-17	CS-17 (3.5')	Total/NA	Solid	5035	
880-31820-18	CS-18 (3')	Total/NA	Solid	5035	
880-31820-19	CS-19 (3')	Total/NA	Solid	5035	
880-31820-20	CS-20 (3')	Total/NA	Solid	5035	
MB 880-59698/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-59698/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-59698/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-31820-1 MS	CS-1 (4')	Total/NA	Solid	5035	
880-31820-1 MSD	CS-1 (4')	Total/NA	Solid	5035	

Prep Batch: 59705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31820-21	CS-21 (3')	Total/NA	Solid	5035	
880-31820-22	CS-22 (3')	Total/NA	Solid	5035	
880-31820-23	CS-23 (3')	Total/NA	Solid	5035	
880-31820-24	CS-24 (3')	Total/NA	Solid	5035	
880-31820-25	SW-1 (4')	Total/NA	Solid	5035	
880-31820-26	SW-2 (4')	Total/NA	Solid	5035	
880-31820-27	SW-3 (4')	Total/NA	Solid	5035	
880-31820-28	SW-4 (4')	Total/NA	Solid	5035	
880-31820-29	SW-5 (4')	Total/NA	Solid	5035	
880-31820-30	SW-6 (4')	Total/NA	Solid	5035	
880-31820-31	SW-7 (3.5')	Total/NA	Solid	5035	
880-31820-32	SW-8 (3.5')	Total/NA	Solid	5035	
880-31820-33	SW-9 (3.5')	Total/NA	Solid	5035	
880-31820-34	SW-10 (0.5')	Total/NA	Solid	5035	
880-31820-35	SW-11 (0.5')	Total/NA	Solid	5035	
880-31820-36	SW-12 (0.5')	Total/NA	Solid	5035	
880-31820-37	SW-13 (3')	Total/NA	Solid	5035	
880-31820-38	SW-14 (3')	Total/NA	Solid	5035	
880-31820-39	SW-15 (3')	Total/NA	Solid	5035	

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QC Association Summary

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

GC VOA (Continued)

Prep Batch: 59705 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-59705/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-59705/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-59705/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-31820-21 MS	CS-21 (3')	Total/NA	Solid	5035	
880-31820-21 MSD	CS-21 (3')	Total/NA	Solid	5035	

Analysis Batch: 59795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31820-1	CS-1 (4')	Total/NA	Solid	Total BTEX	
880-31820-2	CS-2 (4')	Total/NA	Solid	Total BTEX	
880-31820-3	CS-3 (4')	Total/NA	Solid	Total BTEX	
880-31820-4	CS-4 (4')	Total/NA	Solid	Total BTEX	
880-31820-5	CS-5 (4')	Total/NA	Solid	Total BTEX	
880-31820-6	CS-6 (4')	Total/NA	Solid	Total BTEX	
880-31820-7	CS-7 (4')	Total/NA	Solid	Total BTEX	
880-31820-8	CS-8 (4')	Total/NA	Solid	Total BTEX	
880-31820-9	CS-9 (4')	Total/NA	Solid	Total BTEX	
880-31820-10	CS-10 (4')	Total/NA	Solid	Total BTEX	
880-31820-11	CS-11 (4')	Total/NA	Solid	Total BTEX	
880-31820-12	CS-12 (4')	Total/NA	Solid	Total BTEX	
880-31820-13	CS-13 (4')	Total/NA	Solid	Total BTEX	
880-31820-14	CS-14 (3.5')	Total/NA	Solid	Total BTEX	
880-31820-15	CS-15 (3.5')	Total/NA	Solid	Total BTEX	
880-31820-16	CS-16 (3.5')	Total/NA	Solid	Total BTEX	
880-31820-17	CS-17 (3.5')	Total/NA	Solid	Total BTEX	
880-31820-18	CS-18 (3')	Total/NA	Solid	Total BTEX	
880-31820-19	CS-19 (3')	Total/NA	Solid	Total BTEX	
880-31820-20	CS-20 (3')	Total/NA	Solid	Total BTEX	
880-31820-21	CS-21 (3')	Total/NA	Solid	Total BTEX	
880-31820-22	CS-22 (3')	Total/NA	Solid	Total BTEX	
880-31820-23	CS-23 (3')	Total/NA	Solid	Total BTEX	
880-31820-24	CS-24 (3')	Total/NA	Solid	Total BTEX	
880-31820-25	SW-1 (4')	Total/NA	Solid	Total BTEX	
880-31820-26	SW-2 (4')	Total/NA	Solid	Total BTEX	
880-31820-27	SW-3 (4')	Total/NA	Solid	Total BTEX	
880-31820-28	SW-4 (4')	Total/NA	Solid	Total BTEX	
880-31820-29	SW-5 (4')	Total/NA	Solid	Total BTEX	
880-31820-30	SW-6 (4')	Total/NA	Solid	Total BTEX	
880-31820-31	SW-7 (3.5')	Total/NA	Solid	Total BTEX	
880-31820-32	SW-8 (3.5')	Total/NA	Solid	Total BTEX	
880-31820-33	SW-9 (3.5')	Total/NA	Solid	Total BTEX	
880-31820-34	SW-10 (0.5')	Total/NA	Solid	Total BTEX	
880-31820-35	SW-11 (0.5')	Total/NA	Solid	Total BTEX	
880-31820-36	SW-12 (0.5')	Total/NA	Solid	Total BTEX	
880-31820-37	SW-13 (3')	Total/NA	Solid	Total BTEX	
880-31820-38	SW-14 (3')	Total/NA	Solid	Total BTEX	
880-31820-39	SW-15 (3')	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-31820-1
SDG: Lea County, New Mexico

GC Semi VOA

Prep Batch: 59654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31820-1	CS-1 (4')	Total/NA	Solid	8015NM Prep	
880-31820-2	CS-2 (4')	Total/NA	Solid	8015NM Prep	
880-31820-3	CS-3 (4')	Total/NA	Solid	8015NM Prep	
880-31820-4	CS-4 (4')	Total/NA	Solid	8015NM Prep	
880-31820-5	CS-5 (4')	Total/NA	Solid	8015NM Prep	
880-31820-6	CS-6 (4')	Total/NA	Solid	8015NM Prep	
880-31820-7	CS-7 (4')	Total/NA	Solid	8015NM Prep	
880-31820-8	CS-8 (4')	Total/NA	Solid	8015NM Prep	
880-31820-9	CS-9 (4')	Total/NA	Solid	8015NM Prep	
880-31820-10	CS-10 (4')	Total/NA	Solid	8015NM Prep	
880-31820-11	CS-11 (4')	Total/NA	Solid	8015NM Prep	
880-31820-12	CS-12 (4')	Total/NA	Solid	8015NM Prep	
880-31820-13	CS-13 (4')	Total/NA	Solid	8015NM Prep	
880-31820-14	CS-14 (3.5')	Total/NA	Solid	8015NM Prep	
880-31820-15	CS-15 (3.5')	Total/NA	Solid	8015NM Prep	
880-31820-16	CS-16 (3.5')	Total/NA	Solid	8015NM Prep	
880-31820-17	CS-17 (3.5')	Total/NA	Solid	8015NM Prep	
880-31820-18	CS-18 (3')	Total/NA	Solid	8015NM Prep	
880-31820-19	CS-19 (3')	Total/NA	Solid	8015NM Prep	
880-31820-20	CS-20 (3')	Total/NA	Solid	8015NM Prep	
MB 880-59654/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-59654/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-59654/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-31820-1 MS	CS-1 (4')	Total/NA	Solid	8015NM Prep	
880-31820-1 MSD	CS-1 (4')	Total/NA	Solid	8015NM Prep	

Prep Batch: 59656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31820-21	CS-21 (3')	Total/NA	Solid	8015NM Prep	
880-31820-22	CS-22 (3')	Total/NA	Solid	8015NM Prep	
880-31820-23	CS-23 (3')	Total/NA	Solid	8015NM Prep	
880-31820-24	CS-24 (3')	Total/NA	Solid	8015NM Prep	
880-31820-25	SW-1 (4')	Total/NA	Solid	8015NM Prep	
880-31820-26	SW-2 (4')	Total/NA	Solid	8015NM Prep	
880-31820-27	SW-3 (4')	Total/NA	Solid	8015NM Prep	
880-31820-28	SW-4 (4')	Total/NA	Solid	8015NM Prep	
880-31820-29	SW-5 (4')	Total/NA	Solid	8015NM Prep	
880-31820-30	SW-6 (4')	Total/NA	Solid	8015NM Prep	
880-31820-31	SW-7 (3.5')	Total/NA	Solid	8015NM Prep	
880-31820-32	SW-8 (3.5')	Total/NA	Solid	8015NM Prep	
880-31820-33	SW-9 (3.5')	Total/NA	Solid	8015NM Prep	
880-31820-34	SW-10 (0.5')	Total/NA	Solid	8015NM Prep	
880-31820-35	SW-11 (0.5')	Total/NA	Solid	8015NM Prep	
880-31820-36	SW-12 (0.5')	Total/NA	Solid	8015NM Prep	
880-31820-37	SW-13 (3')	Total/NA	Solid	8015NM Prep	
880-31820-38	SW-14 (3')	Total/NA	Solid	8015NM Prep	
880-31820-39	SW-15 (3')	Total/NA	Solid	8015NM Prep	
MB 880-59656/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-59656/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-59656/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-31820-21 MS	CS-21 (3')	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 59656 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31820-21 MSD	CS-21 (3')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 59689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31820-1	CS-1 (4')	Total/NA	Solid	8015B NM	59654
880-31820-2	CS-2 (4')	Total/NA	Solid	8015B NM	59654
880-31820-3	CS-3 (4')	Total/NA	Solid	8015B NM	59654
880-31820-4	CS-4 (4')	Total/NA	Solid	8015B NM	59654
880-31820-5	CS-5 (4')	Total/NA	Solid	8015B NM	59654
880-31820-6	CS-6 (4')	Total/NA	Solid	8015B NM	59654
880-31820-7	CS-7 (4')	Total/NA	Solid	8015B NM	59654
880-31820-8	CS-8 (4')	Total/NA	Solid	8015B NM	59654
880-31820-9	CS-9 (4')	Total/NA	Solid	8015B NM	59654
880-31820-10	CS-10 (4')	Total/NA	Solid	8015B NM	59654
880-31820-11	CS-11 (4')	Total/NA	Solid	8015B NM	59654
880-31820-12	CS-12 (4')	Total/NA	Solid	8015B NM	59654
880-31820-13	CS-13 (4')	Total/NA	Solid	8015B NM	59654
880-31820-14	CS-14 (3.5')	Total/NA	Solid	8015B NM	59654
880-31820-15	CS-15 (3.5')	Total/NA	Solid	8015B NM	59654
880-31820-16	CS-16 (3.5')	Total/NA	Solid	8015B NM	59654
880-31820-17	CS-17 (3.5')	Total/NA	Solid	8015B NM	59654
880-31820-18	CS-18 (3')	Total/NA	Solid	8015B NM	59654
880-31820-19	CS-19 (3')	Total/NA	Solid	8015B NM	59654
880-31820-20	CS-20 (3')	Total/NA	Solid	8015B NM	59654
MB 880-59654/1-A	Method Blank	Total/NA	Solid	8015B NM	59654
LCS 880-59654/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	59654
LCSD 880-59654/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	59654
880-31820-1 MS	CS-1 (4')	Total/NA	Solid	8015B NM	59654
880-31820-1 MSD	CS-1 (4')	Total/NA	Solid	8015B NM	59654

Analysis Batch: 59691

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31820-21	CS-21 (3')	Total/NA	Solid	8015B NM	59656
880-31820-22	CS-22 (3')	Total/NA	Solid	8015B NM	59656
880-31820-23	CS-23 (3')	Total/NA	Solid	8015B NM	59656
880-31820-24	CS-24 (3')	Total/NA	Solid	8015B NM	59656
880-31820-25	SW-1 (4')	Total/NA	Solid	8015B NM	59656
880-31820-26	SW-2 (4')	Total/NA	Solid	8015B NM	59656
880-31820-27	SW-3 (4')	Total/NA	Solid	8015B NM	59656
880-31820-28	SW-4 (4')	Total/NA	Solid	8015B NM	59656
880-31820-29	SW-5 (4')	Total/NA	Solid	8015B NM	59656
880-31820-30	SW-6 (4')	Total/NA	Solid	8015B NM	59656
880-31820-31	SW-7 (3.5')	Total/NA	Solid	8015B NM	59656
880-31820-32	SW-8 (3.5')	Total/NA	Solid	8015B NM	59656
880-31820-33	SW-9 (3.5')	Total/NA	Solid	8015B NM	59656
880-31820-34	SW-10 (0.5')	Total/NA	Solid	8015B NM	59656
880-31820-35	SW-11 (0.5')	Total/NA	Solid	8015B NM	59656
880-31820-36	SW-12 (0.5')	Total/NA	Solid	8015B NM	59656
880-31820-37	SW-13 (3')	Total/NA	Solid	8015B NM	59656
880-31820-38	SW-14 (3')	Total/NA	Solid	8015B NM	59656
880-31820-39	SW-15 (3')	Total/NA	Solid	8015B NM	59656

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QC Association Summary

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 59691 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-59656/1-A	Method Blank	Total/NA	Solid	8015B NM	59656
LCS 880-59656/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	59656
LCSD 880-59656/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	59656
880-31820-21 MS	CS-21 (3')	Total/NA	Solid	8015B NM	59656
880-31820-21 MSD	CS-21 (3')	Total/NA	Solid	8015B NM	59656

Analysis Batch: 59801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31820-1	CS-1 (4')	Total/NA	Solid	8015 NM	
880-31820-2	CS-2 (4')	Total/NA	Solid	8015 NM	
880-31820-3	CS-3 (4')	Total/NA	Solid	8015 NM	
880-31820-4	CS-4 (4')	Total/NA	Solid	8015 NM	
880-31820-5	CS-5 (4')	Total/NA	Solid	8015 NM	
880-31820-6	CS-6 (4')	Total/NA	Solid	8015 NM	
880-31820-7	CS-7 (4')	Total/NA	Solid	8015 NM	
880-31820-8	CS-8 (4')	Total/NA	Solid	8015 NM	
880-31820-9	CS-9 (4')	Total/NA	Solid	8015 NM	
880-31820-10	CS-10 (4')	Total/NA	Solid	8015 NM	
880-31820-11	CS-11 (4')	Total/NA	Solid	8015 NM	
880-31820-12	CS-12 (4')	Total/NA	Solid	8015 NM	
880-31820-13	CS-13 (4')	Total/NA	Solid	8015 NM	
880-31820-14	CS-14 (3.5')	Total/NA	Solid	8015 NM	
880-31820-15	CS-15 (3.5')	Total/NA	Solid	8015 NM	
880-31820-16	CS-16 (3.5')	Total/NA	Solid	8015 NM	
880-31820-17	CS-17 (3.5')	Total/NA	Solid	8015 NM	
880-31820-18	CS-18 (3')	Total/NA	Solid	8015 NM	
880-31820-19	CS-19 (3')	Total/NA	Solid	8015 NM	
880-31820-20	CS-20 (3')	Total/NA	Solid	8015 NM	
880-31820-21	CS-21 (3')	Total/NA	Solid	8015 NM	
880-31820-22	CS-22 (3')	Total/NA	Solid	8015 NM	
880-31820-23	CS-23 (3')	Total/NA	Solid	8015 NM	
880-31820-24	CS-24 (3')	Total/NA	Solid	8015 NM	
880-31820-25	SW-1 (4')	Total/NA	Solid	8015 NM	
880-31820-26	SW-2 (4')	Total/NA	Solid	8015 NM	
880-31820-27	SW-3 (4')	Total/NA	Solid	8015 NM	
880-31820-28	SW-4 (4')	Total/NA	Solid	8015 NM	
880-31820-29	SW-5 (4')	Total/NA	Solid	8015 NM	
880-31820-30	SW-6 (4')	Total/NA	Solid	8015 NM	
880-31820-31	SW-7 (3.5')	Total/NA	Solid	8015 NM	
880-31820-32	SW-8 (3.5')	Total/NA	Solid	8015 NM	
880-31820-33	SW-9 (3.5')	Total/NA	Solid	8015 NM	
880-31820-34	SW-10 (0.5')	Total/NA	Solid	8015 NM	
880-31820-35	SW-11 (0.5')	Total/NA	Solid	8015 NM	
880-31820-36	SW-12 (0.5')	Total/NA	Solid	8015 NM	
880-31820-37	SW-13 (3')	Total/NA	Solid	8015 NM	
880-31820-38	SW-14 (3')	Total/NA	Solid	8015 NM	
880-31820-39	SW-15 (3')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

HPLC/IC

Leach Batch: 59675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31820-1	CS-1 (4')	Soluble	Solid	DI Leach	
880-31820-2	CS-2 (4')	Soluble	Solid	DI Leach	
880-31820-3	CS-3 (4')	Soluble	Solid	DI Leach	
880-31820-4	CS-4 (4')	Soluble	Solid	DI Leach	
880-31820-5	CS-5 (4')	Soluble	Solid	DI Leach	
880-31820-6	CS-6 (4')	Soluble	Solid	DI Leach	
880-31820-7	CS-7 (4')	Soluble	Solid	DI Leach	
880-31820-8	CS-8 (4')	Soluble	Solid	DI Leach	
880-31820-9	CS-9 (4')	Soluble	Solid	DI Leach	
880-31820-10	CS-10 (4')	Soluble	Solid	DI Leach	
880-31820-11	CS-11 (4')	Soluble	Solid	DI Leach	
880-31820-12	CS-12 (4')	Soluble	Solid	DI Leach	
880-31820-13	CS-13 (4')	Soluble	Solid	DI Leach	
880-31820-14	CS-14 (3.5')	Soluble	Solid	DI Leach	
880-31820-15	CS-15 (3.5')	Soluble	Solid	DI Leach	
880-31820-16	CS-16 (3.5')	Soluble	Solid	DI Leach	
880-31820-17	CS-17 (3.5')	Soluble	Solid	DI Leach	
880-31820-18	CS-18 (3')	Soluble	Solid	DI Leach	
880-31820-19	CS-19 (3')	Soluble	Solid	DI Leach	
880-31820-20	CS-20 (3')	Soluble	Solid	DI Leach	
MB 880-59675/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-59675/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCS 880-59675/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-31820-1 MS	CS-1 (4')	Soluble	Solid	DI Leach	
880-31820-1 MSD	CS-1 (4')	Soluble	Solid	DI Leach	
880-31820-11 MS	CS-11 (4')	Soluble	Solid	DI Leach	
880-31820-11 MSD	CS-11 (4')	Soluble	Solid	DI Leach	

Leach Batch: 59676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31820-21	CS-21 (3')	Soluble	Solid	DI Leach	
880-31820-22	CS-22 (3')	Soluble	Solid	DI Leach	
880-31820-23	CS-23 (3')	Soluble	Solid	DI Leach	
880-31820-24	CS-24 (3')	Soluble	Solid	DI Leach	
880-31820-25	SW-1 (4')	Soluble	Solid	DI Leach	
880-31820-26	SW-2 (4')	Soluble	Solid	DI Leach	
880-31820-27	SW-3 (4')	Soluble	Solid	DI Leach	
880-31820-28	SW-4 (4')	Soluble	Solid	DI Leach	
880-31820-29	SW-5 (4')	Soluble	Solid	DI Leach	
880-31820-30	SW-6 (4')	Soluble	Solid	DI Leach	
880-31820-31	SW-7 (3.5')	Soluble	Solid	DI Leach	
880-31820-32	SW-8 (3.5')	Soluble	Solid	DI Leach	
880-31820-33	SW-9 (3.5')	Soluble	Solid	DI Leach	
880-31820-34	SW-10 (0.5')	Soluble	Solid	DI Leach	
880-31820-35	SW-11 (0.5')	Soluble	Solid	DI Leach	
880-31820-36	SW-12 (0.5')	Soluble	Solid	DI Leach	
880-31820-37	SW-13 (3')	Soluble	Solid	DI Leach	
880-31820-38	SW-14 (3')	Soluble	Solid	DI Leach	
880-31820-39	SW-15 (3')	Soluble	Solid	DI Leach	
MB 880-59676/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-59676/2-A	Lab Control Sample	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

HPLC/IC (Continued)

Leach Batch: 59676 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-59676/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-31820-21 MS	CS-21 (3')	Soluble	Solid	DI Leach	
880-31820-21 MSD	CS-21 (3')	Soluble	Solid	DI Leach	
880-31820-31 MS	SW-7 (3.5')	Soluble	Solid	DI Leach	
880-31820-31 MSD	SW-7 (3.5')	Soluble	Solid	DI Leach	

Analysis Batch: 59729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31820-1	CS-1 (4')	Soluble	Solid	300.0	59675
880-31820-2	CS-2 (4')	Soluble	Solid	300.0	59675
880-31820-3	CS-3 (4')	Soluble	Solid	300.0	59675
880-31820-4	CS-4 (4')	Soluble	Solid	300.0	59675
880-31820-5	CS-5 (4')	Soluble	Solid	300.0	59675
880-31820-6	CS-6 (4')	Soluble	Solid	300.0	59675
880-31820-7	CS-7 (4')	Soluble	Solid	300.0	59675
880-31820-8	CS-8 (4')	Soluble	Solid	300.0	59675
880-31820-9	CS-9 (4')	Soluble	Solid	300.0	59675
880-31820-10	CS-10 (4')	Soluble	Solid	300.0	59675
880-31820-11	CS-11 (4')	Soluble	Solid	300.0	59675
880-31820-12	CS-12 (4')	Soluble	Solid	300.0	59675
880-31820-13	CS-13 (4')	Soluble	Solid	300.0	59675
880-31820-14	CS-14 (3.5')	Soluble	Solid	300.0	59675
880-31820-15	CS-15 (3.5')	Soluble	Solid	300.0	59675
880-31820-16	CS-16 (3.5')	Soluble	Solid	300.0	59675
880-31820-17	CS-17 (3.5')	Soluble	Solid	300.0	59675
880-31820-18	CS-18 (3')	Soluble	Solid	300.0	59675
880-31820-19	CS-19 (3')	Soluble	Solid	300.0	59675
880-31820-20	CS-20 (3')	Soluble	Solid	300.0	59675
MB 880-59675/1-A	Method Blank	Soluble	Solid	300.0	59675
LCS 880-59675/2-A	Lab Control Sample	Soluble	Solid	300.0	59675
LCSD 880-59675/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	59675
880-31820-1 MS	CS-1 (4')	Soluble	Solid	300.0	59675
880-31820-1 MSD	CS-1 (4')	Soluble	Solid	300.0	59675
880-31820-11 MS	CS-11 (4')	Soluble	Solid	300.0	59675
880-31820-11 MSD	CS-11 (4')	Soluble	Solid	300.0	59675

Analysis Batch: 59731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31820-21	CS-21 (3')	Soluble	Solid	300.0	59676
880-31820-22	CS-22 (3')	Soluble	Solid	300.0	59676
880-31820-23	CS-23 (3')	Soluble	Solid	300.0	59676
880-31820-24	CS-24 (3')	Soluble	Solid	300.0	59676
880-31820-25	SW-1 (4')	Soluble	Solid	300.0	59676
880-31820-26	SW-2 (4')	Soluble	Solid	300.0	59676
880-31820-27	SW-3 (4')	Soluble	Solid	300.0	59676
880-31820-28	SW-4 (4')	Soluble	Solid	300.0	59676
880-31820-29	SW-5 (4')	Soluble	Solid	300.0	59676
880-31820-30	SW-6 (4')	Soluble	Solid	300.0	59676
880-31820-31	SW-7 (3.5')	Soluble	Solid	300.0	59676
880-31820-32	SW-8 (3.5')	Soluble	Solid	300.0	59676
880-31820-33	SW-9 (3.5')	Soluble	Solid	300.0	59676

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QC Association Summary

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 59731 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31820-34	SW-10 (0.5')	Soluble	Solid	300.0	59676
880-31820-35	SW-11 (0.5')	Soluble	Solid	300.0	59676
880-31820-36	SW-12 (0.5')	Soluble	Solid	300.0	59676
880-31820-37	SW-13 (3')	Soluble	Solid	300.0	59676
880-31820-38	SW-14 (3')	Soluble	Solid	300.0	59676
880-31820-39	SW-15 (3')	Soluble	Solid	300.0	59676
MB 880-59676/1-A	Method Blank	Soluble	Solid	300.0	59676
LCS 880-59676/2-A	Lab Control Sample	Soluble	Solid	300.0	59676
LCSD 880-59676/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	59676
880-31820-21 MS	CS-21 (3')	Soluble	Solid	300.0	59676
880-31820-21 MSD	CS-21 (3')	Soluble	Solid	300.0	59676
880-31820-31 MS	SW-7 (3.5')	Soluble	Solid	300.0	59676
880-31820-31 MSD	SW-7 (3.5')	Soluble	Solid	300.0	59676

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Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-1 (4')

Lab Sample ID: 880-31820-1

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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	59698	08/09/23 09:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59697	08/09/23 12:14	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59795	08/09/23 21:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			59801	08/09/23 22:08	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	59654	08/08/23 16:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59689	08/09/23 10:18	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	59675	08/08/23 17:01	KS	EET MID
Soluble	Analysis	300.0		1			59729	08/08/23 22:59	CH	EET MID

Client Sample ID: CS-2 (4')

Lab Sample ID: 880-31820-2

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	59698	08/09/23 09:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59697	08/09/23 12:35	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59795	08/09/23 21:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			59801	08/09/23 22:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	59654	08/08/23 16:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59689	08/09/23 11:26	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	59675	08/08/23 17:01	KS	EET MID
Soluble	Analysis	300.0		1			59729	08/08/23 23:14	CH	EET MID

Client Sample ID: CS-3 (4')

Lab Sample ID: 880-31820-3

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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	59698	08/09/23 09:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59697	08/09/23 12:55	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59795	08/09/23 21:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			59801	08/09/23 22:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	59654	08/08/23 16:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59689	08/09/23 11:48	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	59675	08/08/23 17:01	KS	EET MID
Soluble	Analysis	300.0		1			59729	08/08/23 23:19	CH	EET MID

Client Sample ID: CS-4 (4')

Lab Sample ID: 880-31820-4

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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	59698	08/09/23 09:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59697	08/09/23 13:16	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59795	08/09/23 21:04	SM	EET MID

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Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-4 (4')

Lab Sample ID: 880-31820-4

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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			59801	08/09/23 22:08	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	59654	08/08/23 16:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59689	08/09/23 12:10	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	59675	08/08/23 17:01	KS	EET MID
Soluble	Analysis	300.0		1			59729	08/08/23 23:24	CH	EET MID

Client Sample ID: CS-5 (4')

Lab Sample ID: 880-31820-5

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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	59698	08/09/23 09:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59697	08/09/23 13:37	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59795	08/09/23 21:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			59801	08/09/23 22:08	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	59654	08/08/23 16:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59689	08/09/23 12:33	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	59675	08/08/23 17:01	KS	EET MID
Soluble	Analysis	300.0		1			59729	08/08/23 23:29	CH	EET MID

Client Sample ID: CS-6 (4')

Lab Sample ID: 880-31820-6

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	59698	08/09/23 09:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59697	08/09/23 13:57	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59795	08/09/23 21:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			59801	08/09/23 22:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	59654	08/08/23 16:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59689	08/09/23 12:55	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	59675	08/08/23 17:01	KS	EET MID
Soluble	Analysis	300.0		1			59729	08/08/23 23:44	CH	EET MID

Client Sample ID: CS-7 (4')

Lab Sample ID: 880-31820-7

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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	59698	08/09/23 09:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59697	08/09/23 14:18	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59795	08/09/23 21:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			59801	08/09/23 22:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	59654	08/08/23 16:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59689	08/09/23 13:17	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-7 (4')

Lab Sample ID: 880-31820-7

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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	59675	08/08/23 17:01	KS	EET MID
Soluble	Analysis	300.0		1			59729	08/08/23 23:49	CH	EET MID

Client Sample ID: CS-8 (4')

Lab Sample ID: 880-31820-8

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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	59698	08/09/23 09:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59697	08/09/23 14:39	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59795	08/09/23 21:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			59801	08/09/23 22:08	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	59654	08/08/23 16:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59689	08/09/23 13:39	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	59675	08/08/23 17:01	KS	EET MID
Soluble	Analysis	300.0		1			59729	08/08/23 23:54	CH	EET MID

Client Sample ID: CS-9 (4')

Lab Sample ID: 880-31820-9

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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	59698	08/09/23 09:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59697	08/09/23 15:00	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59795	08/09/23 21:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			59801	08/09/23 22:08	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	59654	08/08/23 16:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59689	08/09/23 14:01	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	59675	08/08/23 17:01	KS	EET MID
Soluble	Analysis	300.0		1			59729	08/08/23 23:59	CH	EET MID

Client Sample ID: CS-10 (4')

Lab Sample ID: 880-31820-10

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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	59698	08/09/23 09:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59697	08/09/23 15:20	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59795	08/09/23 21:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			59801	08/09/23 22:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	59654	08/08/23 16:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59689	08/09/23 14:24	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	59675	08/08/23 17:01	KS	EET MID
Soluble	Analysis	300.0		1			59729	08/09/23 00:04	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-11 (4')

Lab Sample ID: 880-31820-11

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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	59698	08/09/23 09:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59697	08/09/23 16:43	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59795	08/09/23 21:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			59801	08/09/23 22:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	59654	08/08/23 16:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59689	08/09/23 15:55	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	59675	08/08/23 17:01	KS	EET MID
Soluble	Analysis	300.0		1			59729	08/09/23 00:09	CH	EET MID

Client Sample ID: CS-12 (4')

Lab Sample ID: 880-31820-12

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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	59698	08/09/23 09:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59697	08/09/23 17:04	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59795	08/09/23 21:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			59801	08/09/23 22:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	59654	08/08/23 16:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59689	08/09/23 16:18	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	59675	08/08/23 17:01	KS	EET MID
Soluble	Analysis	300.0		1			59729	08/09/23 00:24	CH	EET MID

Client Sample ID: CS-13 (4')

Lab Sample ID: 880-31820-13

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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	59698	08/09/23 09:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59697	08/09/23 17:25	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59795	08/09/23 21:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			59801	08/09/23 22:08	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	59654	08/08/23 16:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59689	08/09/23 16:40	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	59675	08/08/23 17:01	KS	EET MID
Soluble	Analysis	300.0		1			59729	08/09/23 00:29	CH	EET MID

Client Sample ID: CS-14 (3.5')

Lab Sample ID: 880-31820-14

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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	59698	08/09/23 09:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59697	08/09/23 17:46	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59795	08/09/23 21:04	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-14 (3.5')

Lab Sample ID: 880-31820-14

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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			59801	08/09/23 22:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	59654	08/08/23 16:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59689	08/09/23 17:03	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	59675	08/08/23 17:01	KS	EET MID
Soluble	Analysis	300.0		1			59729	08/09/23 00:43	CH	EET MID

Client Sample ID: CS-15 (3.5')

Lab Sample ID: 880-31820-15

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	59698	08/09/23 09:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59697	08/09/23 18:07	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59795	08/09/23 21:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			59801	08/09/23 22:08	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	59654	08/08/23 16:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59689	08/09/23 17:25	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	59675	08/08/23 17:01	KS	EET MID
Soluble	Analysis	300.0		1			59729	08/09/23 00:48	CH	EET MID

Client Sample ID: CS-16 (3.5')

Lab Sample ID: 880-31820-16

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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	59698	08/09/23 09:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59697	08/09/23 18:27	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59795	08/09/23 21:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			59801	08/09/23 22:08	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	59654	08/08/23 16:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59689	08/09/23 17:47	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	59675	08/08/23 17:01	KS	EET MID
Soluble	Analysis	300.0		1			59729	08/09/23 00:53	CH	EET MID

Client Sample ID: CS-17 (3.5')

Lab Sample ID: 880-31820-17

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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	59698	08/09/23 09:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59697	08/09/23 18:48	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59795	08/09/23 21:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			59801	08/09/23 22:08	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	59654	08/08/23 16:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59689	08/09/23 18:10	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-17 (3.5')

Lab Sample ID: 880-31820-17

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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	59675	08/08/23 17:01	KS	EET MID
Soluble	Analysis	300.0		1			59729	08/09/23 00:58	CH	EET MID

Client Sample ID: CS-18 (3')

Lab Sample ID: 880-31820-18

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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	59698	08/09/23 09:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59697	08/09/23 19:09	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59795	08/09/23 21:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			59801	08/09/23 22:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	59654	08/08/23 16:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59689	08/09/23 18:32	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	59675	08/08/23 17:01	KS	EET MID
Soluble	Analysis	300.0		1			59729	08/09/23 01:03	CH	EET MID

Client Sample ID: CS-19 (3')

Lab Sample ID: 880-31820-19

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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	59698	08/09/23 09:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59697	08/09/23 19:30	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59795	08/09/23 21:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			59801	08/09/23 22:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	59654	08/08/23 16:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59689	08/09/23 18:54	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	59675	08/08/23 17:01	KS	EET MID
Soluble	Analysis	300.0		1			59729	08/09/23 01:08	CH	EET MID

Client Sample ID: CS-20 (3')

Lab Sample ID: 880-31820-20

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	59698	08/09/23 09:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59697	08/09/23 19:50	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59795	08/09/23 21:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			59801	08/09/23 22:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	59654	08/08/23 16:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59689	08/09/23 19:17	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	59675	08/08/23 17:01	KS	EET MID
Soluble	Analysis	300.0		1			59729	08/09/23 01:13	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-21 (3')

Lab Sample ID: 880-31820-21

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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	59705	08/09/23 09:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59696	08/09/23 13:11	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59795	08/09/23 21:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			59801	08/09/23 22:11	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	59656	08/08/23 16:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59691	08/09/23 10:18	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	59676	08/08/23 17:04	KS	EET MID
Soluble	Analysis	300.0		1			59731	08/09/23 01:53	CH	EET MID

Client Sample ID: CS-22 (3')

Lab Sample ID: 880-31820-22

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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	59705	08/09/23 09:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59696	08/09/23 13:31	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59795	08/09/23 21:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			59801	08/09/23 22:11	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	59656	08/08/23 16:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59691	08/09/23 11:26	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	59676	08/08/23 17:04	KS	EET MID
Soluble	Analysis	300.0		1			59731	08/09/23 02:08	CH	EET MID

Client Sample ID: CS-23 (3')

Lab Sample ID: 880-31820-23

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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	59705	08/09/23 09:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59696	08/09/23 13:52	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59795	08/09/23 21:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			59801	08/09/23 22:11	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	59656	08/08/23 16:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59691	08/09/23 11:48	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	59676	08/08/23 17:04	KS	EET MID
Soluble	Analysis	300.0		1			59731	08/09/23 02:13	CH	EET MID

Client Sample ID: CS-24 (3')

Lab Sample ID: 880-31820-24

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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	59705	08/09/23 09:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59696	08/09/23 14:13	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59795	08/09/23 21:10	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-24 (3')

Lab Sample ID: 880-31820-24

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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			59801	08/09/23 22:11	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	59656	08/08/23 16:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59691	08/09/23 12:10	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	59676	08/08/23 17:04	KS	EET MID
Soluble	Analysis	300.0		1			59731	08/09/23 02:18	CH	EET MID

Client Sample ID: SW-1 (4')

Lab Sample ID: 880-31820-25

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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	59705	08/09/23 09:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59696	08/09/23 14:33	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59795	08/09/23 21:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			59801	08/09/23 22:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	59656	08/08/23 16:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59691	08/09/23 12:33	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	59676	08/08/23 17:04	KS	EET MID
Soluble	Analysis	300.0		1			59731	08/09/23 02:23	CH	EET MID

Client Sample ID: SW-2 (4')

Lab Sample ID: 880-31820-26

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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	59705	08/09/23 09:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59696	08/09/23 14:54	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59795	08/09/23 21:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			59801	08/09/23 22:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	59656	08/08/23 16:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59691	08/09/23 12:55	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	59676	08/08/23 17:04	KS	EET MID
Soluble	Analysis	300.0		1			59731	08/09/23 02:37	CH	EET MID

Client Sample ID: SW-3 (4')

Lab Sample ID: 880-31820-27

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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	59705	08/09/23 09:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59696	08/09/23 15:14	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59795	08/09/23 21:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			59801	08/09/23 22:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	59656	08/08/23 16:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59691	08/09/23 13:17	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

Client Sample ID: SW-3 (4')

Lab Sample ID: 880-31820-27

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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	59676	08/08/23 17:04	KS	EET MID
Soluble	Analysis	300.0		1			59731	08/09/23 02:42	CH	EET MID

Client Sample ID: SW-4 (4')

Lab Sample ID: 880-31820-28

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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	59705	08/09/23 09:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59696	08/09/23 15:35	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59795	08/09/23 21:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			59801	08/09/23 22:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	59656	08/08/23 16:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59691	08/09/23 13:39	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	59676	08/08/23 17:04	KS	EET MID
Soluble	Analysis	300.0		1			59731	08/09/23 02:48	CH	EET MID

Client Sample ID: SW-5 (4')

Lab Sample ID: 880-31820-29

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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	59705	08/09/23 09:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59696	08/09/23 15:55	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59795	08/09/23 21:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			59801	08/09/23 22:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	59656	08/08/23 16:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59691	08/09/23 14:01	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	59676	08/08/23 17:04	KS	EET MID
Soluble	Analysis	300.0		1			59731	08/09/23 02:53	CH	EET MID

Client Sample ID: SW-6 (4')

Lab Sample ID: 880-31820-30

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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	59705	08/09/23 09:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59696	08/09/23 16:16	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59795	08/09/23 21:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			59801	08/09/23 22:11	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	59656	08/08/23 16:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59691	08/09/23 14:24	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	59676	08/08/23 17:04	KS	EET MID
Soluble	Analysis	300.0		1			59731	08/09/23 02:58	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

Client Sample ID: SW-7 (3.5')

Lab Sample ID: 880-31820-31

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	59705	08/09/23 09:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59696	08/09/23 17:39	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59795	08/09/23 21:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			59801	08/09/23 22:11	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	59656	08/08/23 16:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59691	08/09/23 15:55	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	59676	08/08/23 17:04	KS	EET MID
Soluble	Analysis	300.0		1			59731	08/09/23 03:02	CH	EET MID

Client Sample ID: SW-8 (3.5')

Lab Sample ID: 880-31820-32

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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	59705	08/09/23 09:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59696	08/09/23 18:00	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59795	08/09/23 21:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			59801	08/09/23 22:11	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	59656	08/08/23 16:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59691	08/09/23 16:18	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	59676	08/08/23 17:04	KS	EET MID
Soluble	Analysis	300.0		1			59731	08/09/23 03:17	CH	EET MID

Client Sample ID: SW-9 (3.5')

Lab Sample ID: 880-31820-33

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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	59705	08/09/23 09:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59696	08/09/23 18:21	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59795	08/09/23 21:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			59801	08/09/23 22:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	59656	08/08/23 16:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59691	08/09/23 16:40	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	59676	08/08/23 17:04	KS	EET MID
Soluble	Analysis	300.0		1			59731	08/09/23 03:22	CH	EET MID

Client Sample ID: SW-10 (0.5')

Lab Sample ID: 880-31820-34

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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	59705	08/09/23 09:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59696	08/09/23 18:41	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59795	08/09/23 21:10	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

Client Sample ID: SW-10 (0.5')

Lab Sample ID: 880-31820-34

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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			59801	08/09/23 22:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	59656	08/08/23 16:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59691	08/09/23 17:03	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	59676	08/08/23 17:04	KS	EET MID
Soluble	Analysis	300.0		1			59731	08/09/23 03:37	CH	EET MID

Client Sample ID: SW-11 (0.5')

Lab Sample ID: 880-31820-35

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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	59705	08/09/23 09:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59696	08/09/23 19:02	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59795	08/09/23 21:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			59801	08/09/23 22:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	59656	08/08/23 16:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59691	08/09/23 17:25	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	59676	08/08/23 17:04	KS	EET MID
Soluble	Analysis	300.0		1			59731	08/09/23 03:42	CH	EET MID

Client Sample ID: SW-12 (0.5')

Lab Sample ID: 880-31820-36

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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	59705	08/09/23 09:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59696	08/09/23 19:22	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59795	08/09/23 21:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			59801	08/09/23 22:11	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	59656	08/08/23 16:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59691	08/09/23 17:47	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	59676	08/08/23 17:04	KS	EET MID
Soluble	Analysis	300.0		1			59731	08/09/23 03:47	CH	EET MID

Client Sample ID: SW-13 (3')

Lab Sample ID: 880-31820-37

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	59705	08/09/23 09:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59696	08/09/23 19:43	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59795	08/09/23 21:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			59801	08/09/23 22:11	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	59656	08/08/23 16:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59691	08/09/23 18:10	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

Client Sample ID: SW-13 (3')

Lab Sample ID: 880-31820-37

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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	59676	08/08/23 17:04	KS	EET MID
Soluble	Analysis	300.0		1			59731	08/09/23 03:52	CH	EET MID

Client Sample ID: SW-14 (3')

Lab Sample ID: 880-31820-38

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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	59705	08/09/23 09:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59696	08/09/23 20:03	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59795	08/09/23 21:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			59801	08/09/23 22:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	59656	08/08/23 16:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59691	08/09/23 18:32	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	59676	08/08/23 17:04	KS	EET MID
Soluble	Analysis	300.0		1			59731	08/09/23 03:57	CH	EET MID

Client Sample ID: SW-15 (3')

Lab Sample ID: 880-31820-39

Date Collected: 08/04/23 00:00

Matrix: Solid

Date Received: 08/08/23 15:57

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	59705	08/09/23 09:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59696	08/09/23 20:24	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59795	08/09/23 21:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			59801	08/09/23 22:11	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	59656	08/08/23 16:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59691	08/09/23 18:54	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	59676	08/08/23 17:04	KS	EET MID
Soluble	Analysis	300.0		1			59731	08/09/23 04:02	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 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	T104704400-23-26	06-30-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

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Method Summary

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31820-1
 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: Modelo 533 Release

Job ID: 880-31820-1
 SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-31820-1	CS-1 (4')	Solid	08/04/23 00:00	08/08/23 15:57
880-31820-2	CS-2 (4')	Solid	08/04/23 00:00	08/08/23 15:57
880-31820-3	CS-3 (4')	Solid	08/04/23 00:00	08/08/23 15:57
880-31820-4	CS-4 (4')	Solid	08/04/23 00:00	08/08/23 15:57
880-31820-5	CS-5 (4')	Solid	08/04/23 00:00	08/08/23 15:57
880-31820-6	CS-6 (4')	Solid	08/04/23 00:00	08/08/23 15:57
880-31820-7	CS-7 (4')	Solid	08/04/23 00:00	08/08/23 15:57
880-31820-8	CS-8 (4')	Solid	08/04/23 00:00	08/08/23 15:57
880-31820-9	CS-9 (4')	Solid	08/04/23 00:00	08/08/23 15:57
880-31820-10	CS-10 (4')	Solid	08/04/23 00:00	08/08/23 15:57
880-31820-11	CS-11 (4')	Solid	08/04/23 00:00	08/08/23 15:57
880-31820-12	CS-12 (4')	Solid	08/04/23 00:00	08/08/23 15:57
880-31820-13	CS-13 (4')	Solid	08/04/23 00:00	08/08/23 15:57
880-31820-14	CS-14 (3.5')	Solid	08/04/23 00:00	08/08/23 15:57
880-31820-15	CS-15 (3.5')	Solid	08/04/23 00:00	08/08/23 15:57
880-31820-16	CS-16 (3.5')	Solid	08/04/23 00:00	08/08/23 15:57
880-31820-17	CS-17 (3.5')	Solid	08/04/23 00:00	08/08/23 15:57
880-31820-18	CS-18 (3')	Solid	08/04/23 00:00	08/08/23 15:57
880-31820-19	CS-19 (3')	Solid	08/04/23 00:00	08/08/23 15:57
880-31820-20	CS-20 (3')	Solid	08/04/23 00:00	08/08/23 15:57
880-31820-21	CS-21 (3')	Solid	08/04/23 00:00	08/08/23 15:57
880-31820-22	CS-22 (3')	Solid	08/04/23 00:00	08/08/23 15:57
880-31820-23	CS-23 (3')	Solid	08/04/23 00:00	08/08/23 15:57
880-31820-24	CS-24 (3')	Solid	08/04/23 00:00	08/08/23 15:57
880-31820-25	SW-1 (4')	Solid	08/04/23 00:00	08/08/23 15:57
880-31820-26	SW-2 (4')	Solid	08/04/23 00:00	08/08/23 15:57
880-31820-27	SW-3 (4')	Solid	08/04/23 00:00	08/08/23 15:57
880-31820-28	SW-4 (4')	Solid	08/04/23 00:00	08/08/23 15:57
880-31820-29	SW-5 (4')	Solid	08/04/23 00:00	08/08/23 15:57
880-31820-30	SW-6 (4')	Solid	08/04/23 00:00	08/08/23 15:57
880-31820-31	SW-7 (3.5')	Solid	08/04/23 00:00	08/08/23 15:57
880-31820-32	SW-8 (3.5')	Solid	08/04/23 00:00	08/08/23 15:57
880-31820-33	SW-9 (3.5')	Solid	08/04/23 00:00	08/08/23 15:57
880-31820-34	SW-10 (0.5')	Solid	08/04/23 00:00	08/08/23 15:57
880-31820-35	SW-11 (0.5')	Solid	08/04/23 00:00	08/08/23 15:57
880-31820-36	SW-12 (0.5')	Solid	08/04/23 00:00	08/08/23 15:57
880-31820-37	SW-13 (3')	Solid	08/04/23 00:00	08/08/23 15:57
880-31820-38	SW-14 (3')	Solid	08/04/23 00:00	08/08/23 15:57
880-31820-39	SW-15 (3')	Solid	08/04/23 00:00	08/08/23 15:57

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Project Manager	Conner Moehring	Bill to: (if different)	Todd Wells
Company Name	Carmona Resources	Company Name	EOG Resources
Address	310 W Wall St Ste 500	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79701	City State ZIP	Midland Tx 79706
Phone	432-813-6823	Email	Todd Wells@eogresources.com

Project Name:	Modelo 533 Release	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Press. Code	
Project Number:	1171	Due Date	24 HR		
Project Location	Lea County, New Mexico				
Sampler's Name	CRM				
PO #:					

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	ANALYSIS REQUEST	Preservative Codes	Sample Comments
CS-1 (4)	8/4/2023		X		Comp	1	X X X X	BTEX 8021B	None NO	DI Water H ₂ O
CS-2 (4)	8/4/2023		X		Comp	1	X X X X	TPH 8015M (GRO + DRO + MRO)	Cool Cool	MeOH Me
CS-3 (4)	8/4/2023		X		Comp	1	X X X X	Chloride 300.0	HCL, HC	HNO ₃ HN
CS-4 (4)	8/4/2023		X		Comp	1	X X X X		H ₂ SO ₄ , H ₂	NaOH Na
CS-5 (4)	8/4/2023		X		Comp	1	X X X X		H ₃ PO ₄ HP	
CS-6 (4)	8/4/2023		X		Comp	1	X X X X		NaHSO ₄ , NABIS	
CS-7 (4)	8/4/2023		X		Comp	1	X X X X		Na ₂ S ₂ O ₈ NASO ₃	
CS-8 (4)	8/4/2023		X		Comp	1	X X X X		Zn Acetate+NaOH Zn	
CS-9 (4)	8/4/2023		X		Comp	1	X X X X		NaOH+Ascorbic Acid SAPC	
CS-10 (4)	8/4/2023		X		Comp	1	X X X X			

Comments: Email to Mike Carmona / mcarmona@carmonareresources.com and Conner Moehring / cmoehring@carmonareresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	8-4-23		
	BSF		



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Work Order No: 21870

Project Manager	Conner Moehring	Bill to: (if different)	Todd Wells
Company Name	Carmona Resources	Company Name	EOG Resources
Address	310 W Wall St Ste 500	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland, TX 79706
Phone	432-813-6823	Email	Todd_Wells@eogresources.com

<p>Work Order Comments</p> <p>Program: <input type="checkbox"/> UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Rowfields <input type="checkbox"/> RC <input type="checkbox"/> Spurd</p> <p>State of Project:</p> <p>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"/></p> <p>Deliverables EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other</p>	<p>ANALYSIS REQUEST</p> <p>None NO <input type="checkbox"/> DI Water H₂O</p> <p>Cool Cool <input type="checkbox"/> MeOH Me</p> <p>HCL, HC <input type="checkbox"/> HNO₃ HN</p> <p>H₂SO₄ H₂ <input type="checkbox"/> NaOH Na</p> <p>H₃PO₄ HP <input type="checkbox"/></p> <p>NaHSO₄ NABIS <input type="checkbox"/></p> <p>Na₂S₂O₃ NaSO₃ <input type="checkbox"/></p> <p>Zn Acetate+NaOH Zn <input type="checkbox"/></p> <p>NaOH+Ascorbic Acid SAPC <input type="checkbox"/></p>
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Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST										Preservative Codes	
							BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0									
CS-11 (4)	8/4/2023		X		Comp	1	X	X	X									
CS-12 (4)	8/4/2023		X		Comp	1	X	X	X									
CS-13 (4)	8/4/2023		X		Comp	1	X	X	X									
CS-14 (3.5)	8/7/2023		X		Comp	1	X	X	X									
CS-15 (3.5)	8/7/2023		X		Comp	1	X	X	X									
CS-16 (3.5)	8/7/2023		X		Comp	1	X	X	X									
CS-17 (3.5)	8/7/2023		X		Comp	1	X	X	X									
CS-18 (3)	8/7/2023		X		Comp	1	X	X	X									
CS-19 (3)	8/7/2023		X		Comp	1	X	X	X									
CS-20 (3)	8/7/2023		X		Comp	1	X	X	X									

Comments: Email to Mike Carmona / mcarmona@carmonaresources.com and Conner Moehring / cmoehring@carmonaresources.com

<p>Relinquished by (Signature)</p>	<p>Date/Time</p> <p>8-8-23 1557</p>
<p>Received by (Signature)</p>	<p>Date/Time</p>

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Work Order No: 31820



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Project Manager	Conner Moehring	Bill to: (if different)	Todd Wells
Company Name	Carmona Resources	Company Name	EOG Resources
Address	310 W Wall St Ste 500	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland, TX 79706
Phone	432-813-6823	Email	Todd.Wells@eogresources.com

Work Order Comments	
Program: USTR/ST	<input type="checkbox"/> PRP <input type="checkbox"/> Roundfields <input type="checkbox"/> RC <input type="checkbox"/> perfund
State of Project:	
Reporting Level II	<input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> PRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables	EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST			Preservative Codes
							BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	
CS-21 (3)	8/7/2023		X		Comp	1	X	X	X	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
CS-22 (3)	8/7/2023		X		Comp	1	X	X	X	
CS-23 (3)	8/7/2023		X		Comp	1	X	X	X	
CS-24 (3)	8/7/2023		X		Comp	1	X	X	X	
SW-1 (4)	8/7/2023		X		Comp	1	X	X	X	
SW-2 (4)	8/7/2023		X		Comp	1	X	X	X	
SW-3 (4)	8/7/2023		X		Comp	1	X	X	X	
SW-4 (4)	8/7/2023		X		Comp	1	X	X	X	
SW-5 (4)	8/7/2023		X		Comp	1	X	X	X	
SW-6 (4)	8/7/2023		X		Comp	1	X	X	X	

Comments: Email to Mike Carmona / mcarmona@carmonaresources.com and Conner Moehring / cmoehring@carmonaresources.com

Relinquished by (Signature)		Date/Time
		8-8-23 1557
Received by (Signature)		Date/Time
		

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Loc: 880
31820

Work Order No: _____

Page 4 of 4

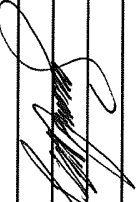
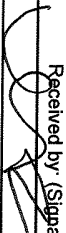
Project Manager: Conner Moehring	Bill to (if different): Todd Wells
Company Name: Carmona Resources	Company Name: EOG Resources
Address: 310 W Wall St Ste 500	Address: 5509 Champions Dr
City, State ZIP: Midland, TX 79701	City, State ZIP: Midland, TX 79706
Phone: 432-813-6823	Email: Todd.Wells@eogresources.com

Program: UST/PT <input type="checkbox"/> PRP <input type="checkbox"/> Rowfields <input type="checkbox"/> RC <input type="checkbox"/> <input type="checkbox"/> pertund 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: _____
--	----------------------------

Project Name: Modelo 533 Release	Turn Around: <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush
Project Number: 1171	Due Date: 24 HR
Project Location: Lea County, New Mexico	Sampler's Name: CRM
PO #: _____	Temp Blank: Yes <input type="checkbox"/> No <input type="checkbox"/>
Received Intact: Yes <input type="checkbox"/> No <input type="checkbox"/>	Thermometer ID: _____
Cooler Custody Seals: Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor: _____
Sample Custody Seals: Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading: _____
Total Containers: _____	Corrected Temperature: _____

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST										Preservative Codes					
							BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0													
SW-7 (3 5')	8/7/2023		X		Comp	1	X	X	X													
SW-8 (3 5')	8/7/2023		X		Comp	1	X	X	X													
SW-9 (3 5')	8/7/2023		X		Comp	1	X	X	X													
SW-10 (0 5')	8/7/2023		X		Comp	1	X	X	X													
SW-11 (0 5')	8/7/2023		X		Comp	1	X	X	X													
SW-12 (0 5')	8/7/2023		X		Comp	1	X	X	X													
SW-13 (3)	8/7/2023		X		Comp	1	X	X	X													
SW-14 (3)	8/7/2023		X		Comp	1	X	X	X													
SW-15 (3)	8/7/2023		X		Comp	1	X	X	X													

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by (Signature)		Date/Time
		8-8-23 1557
Received by (Signature)		Date/Time
		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-31820-1
SDG Number: Lea County, New Mexico

Login Number: 31820

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

August 16, 2023

CONNER MOEHRING
CARMONA RESOURCES
310 W WALL ST SUITE 415
MIDLAND, TX 79701

RE: MODELO 533 RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 08/15/23 17:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	08/15/2023	Sampling Date:	08/15/2023
Reported:	08/16/2023	Sampling Type:	Soil
Project Name:	MODELO 533 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1171	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NEW MEXICO		

Sample ID: CS - 35 (2.5') (H234414-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/16/2023	ND	2.07	103	2.00	3.36	
Toluene*	<0.050	0.050	08/16/2023	ND	2.02	101	2.00	1.82	
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.93	96.6	2.00	2.80	
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.84	97.3	6.00	3.74	
Total BTEX	<0.300	0.300	08/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	08/16/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	161	80.5	200	4.69	
DRO >C10-C28*	47.3	10.0	08/16/2023	ND	156	78.2	200	10.8	
EXT DRO >C28-C36	14.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 73.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.5 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	08/15/2023	Sampling Date:	08/15/2023
Reported:	08/16/2023	Sampling Type:	Soil
Project Name:	MODELO 533 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1171	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NEW MEXICO		

Sample ID: CS - 36 (2.5') (H234414-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/16/2023	ND	2.07	103	2.00	3.36	
Toluene*	<0.050	0.050	08/16/2023	ND	2.02	101	2.00	1.82	
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.93	96.6	2.00	2.80	
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.84	97.3	6.00	3.74	
Total BTEX	<0.300	0.300	08/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	08/16/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	161	80.5	200	4.69	
DRO >C10-C28*	54.2	10.0	08/16/2023	ND	156	78.2	200	10.8	
EXT DRO >C28-C36	19.8	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 62.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 65.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	08/15/2023	Sampling Date:	08/15/2023
Reported:	08/16/2023	Sampling Type:	Soil
Project Name:	MODELO 533 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1171	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NEW MEXICO		

Sample ID: CS - 46 (2.5') (H234414-03)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/16/2023	ND	2.07	103	2.00	3.36		
Toluene*	<0.050	0.050	08/16/2023	ND	2.02	101	2.00	1.82		
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.93	96.6	2.00	2.80		
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.84	97.3	6.00	3.74		
Total BTEX	<0.300	0.300	08/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	08/16/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	161	80.5	200	4.69		
DRO >C10-C28*	49.9	10.0	08/16/2023	ND	156	78.2	200	10.8		
EXT DRO >C28-C36	16.9	10.0	08/16/2023	ND						

Surrogate: 1-Chlorooctane 60.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 62.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	08/15/2023	Sampling Date:	08/15/2023
Reported:	08/16/2023	Sampling Type:	Soil
Project Name:	MODELO 533 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1171	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NEW MEXICO		

Sample ID: CS - 64 (2.5') (H234414-04)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/16/2023	ND	2.07	103	2.00	3.36	
Toluene*	<0.050	0.050	08/16/2023	ND	2.02	101	2.00	1.82	
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.93	96.6	2.00	2.80	
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.84	97.3	6.00	3.74	
Total BTEX	<0.300	0.300	08/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	08/16/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	161	80.5	200	4.69	
DRO >C10-C28*	155	10.0	08/16/2023	ND	156	78.2	200	10.8	
EXT DRO >C28-C36	26.3	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 68.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	08/15/2023	Sampling Date:	08/15/2023
Reported:	08/16/2023	Sampling Type:	Soil
Project Name:	MODELO 533 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1171	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NEW MEXICO		

Sample ID: SW - 16 (2') (H234414-05)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/16/2023	ND	2.07	103	2.00	3.36	
Toluene*	<0.050	0.050	08/16/2023	ND	2.02	101	2.00	1.82	
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.93	96.6	2.00	2.80	
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.84	97.3	6.00	3.74	
Total BTEX	<0.300	0.300	08/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	08/16/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	161	80.5	200	4.69	
DRO >C10-C28*	167	10.0	08/16/2023	ND	156	78.2	200	10.8	
EXT DRO >C28-C36	28.9	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 65.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	08/15/2023	Sampling Date:	08/15/2023
Reported:	08/16/2023	Sampling Type:	Soil
Project Name:	MODELO 533 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1171	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NEW MEXICO		

Sample ID: SW - 30 (0.5') (H234414-06)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/16/2023	ND	2.07	103	2.00	3.36		
Toluene*	<0.050	0.050	08/16/2023	ND	2.02	101	2.00	1.82		
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.93	96.6	2.00	2.80		
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.84	97.3	6.00	3.74		
Total BTEX	<0.300	0.300	08/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	08/16/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	161	80.5	200	4.69		
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	156	78.2	200	10.8		
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND						

Surrogate: 1-Chlorooctane 80.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: 1234414

Page 1 of 1

Project Manager:	Conner Moehring	Bill to: (if different)	Todd Wells
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	432-813-6823	Email:	Todd Wells@eogresources.com
Project Name:	Modelo 533 Release	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush
Project Number:	1171	Due Date:	SAME DAY
Project Location:	Lea County, New Mexico	Sampler's Name:	JM
PO #:			

Program:	UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> Spentfund <input type="checkbox"/>
State of Project:	Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> PRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: <input type="checkbox"/>

Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	140
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	1.00
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	4.00
Total Containers:		Corrected Temperature:	
Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	ANALYSIS REQUEST	Preservative Codes
CS-35 (2.5')	8/15/2023		X		Comp	1	BTEX 8021B		None: NO DI Water: H ₂ O
CS-36 (2.5')	8/15/2023		X		Comp	1	TPH 8015M (GRO + DRO + MRO)		Cool: Cool MeOH: Me
CS-46 (2.5')	8/15/2023		X		Comp	1	Chloride 4500		HCL: HC HNO ₃ : HN
CS-64 (2.5')	8/15/2023		X		Comp	1			H ₂ SO ₄ : H ₂ NaOH: Na
SW-16 (2')	8/15/2023		X		Comp	1			H ₃ PO ₄ : HP
SW-30 (0.5')	8/15/2023		X		Comp	1			NaHSO ₄ : NABIS
									Na ₂ S ₂ O ₃ : NaSO ₃
									Zn Acetate+NaOH: Zn
									NaOH+Ascorbic Acid: SAPC

Comments: Email to Mike Carmona / Mearmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>[Signature]</i>	8-15-23 1700	<i>[Signature]</i>	



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 8/15/2023 2:14:37 PM

JOB DESCRIPTION

Modelo 533 Release
 SDG NUMBER Lea County, New Mexico

JOB NUMBER

880-31957-1

Eurofins Midland
 1211 W. Florida Ave
 Midland TX 79701



Eurofins Midland

Job Notes

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

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

Authorization



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

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Client: Carmona Resources
Project/Site: Modelo 533 Release

Laboratory Job ID: 880-31957-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-31957-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
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: Modelo 533 Release

Job ID: 880-31957-1
SDG: Lea County, New Mexico

Job ID: 880-31957-1**Laboratory: Eurofins Midland****Narrative**

Job Narrative
880-31957-1

Receipt

The samples were received on 8/11/2023 11:25 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.5°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS-13 (4.25') (880-31957-1), CS-14 (3.25') (880-31957-2), CS-29 (2') (880-31957-3), CS-31 (2') (880-31957-4), CS-32 (2') (880-31957-5), CS-33 (2') (880-31957-6), CS-34 (2') (880-31957-7), CS-35 (2') (880-31957-8), CS-36 (2') (880-31957-9), CS-46 (2') (880-31957-10), CS-47 (2') (880-31957-11), CS-60 (2') (880-31957-12), CS-61 (2') (880-31957-13), CS-63 (2') (880-31957-14), CS-64 (2') (880-31957-15), CS-65 (2') (880-31957-16), CS-67 (2') (880-31957-17), CS-68 (2') (880-31957-18), CS-69 (2') (880-31957-19), CS-92 (1.5') (880-31957-20), CS-93 (1.5') (880-31957-21), CS-94 (1.5') (880-31957-22), CS-95 (1.5') (880-31957-23), CS-96 (1.5') (880-31957-24), CS-97 (1.5') (880-31957-25), CS-98 (1.5') (880-31957-26), CS-99 (1.5') (880-31957-27), CS-100 (1.5') (880-31957-28), CS-101 (1.5') (880-31957-29), CS-102 (1.5') (880-31957-30), SW-5 (4') (880-31957-31), SW-6 (4') (880-31957-32), SW-14 (3') (880-31957-33), SW-16 (2') (880-31957-34), SW-17 (2') (880-31957-35), SW-18 (2') (880-31957-36), SW-19 (2') (880-31957-37), SW-20 (2') (880-31957-38), SW-21 (2') (880-31957-39), SW-22 (1.5') (880-31957-40), SW-23 (1.5') (880-31957-41), SW-24 (1.5') (880-31957-42), SW-29 (2') (880-31957-43) and SW-30 (0.5') (880-31957-44).

GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-59922 recovered outside the control limits for Benzene and o-Xylene. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-59922/20).

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-59951 and analytical batch 880-59922 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: Surrogate recovery for the following samples were outside control limits: SW-23 (1.5') (880-31957-41), SW-24 (1.5') (880-31957-42) and SW-30 (0.5') (880-31957-44). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The method blank for preparation batch 880-59927 and 880-59953 and analytical batch 880-59940 contained Benzene above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-59976 recovered above the upper control limit for Benzene, Toluene, Ethylbenzene, m-Xylene & p-Xylene and o-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-59976/33).

Method 8021B: The initial CCV was spiked half of the acceptable amount in a prep error. It is biased high for all analytes, however, all analytes are non-detect. This batch is being reanalyzed for confirmation. (CCV 880-59976/2)

Method 8021B: Surrogate recovery for the following samples were outside control limits: CS-35 (2') (880-31957-8), CS-47 (2') (880-31957-11) and (MB 880-59950/5-A). Evidence of matrix interferences is not obvious.

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-59982 and analytical batch 880-59998 was outside the upper control limits.

Case Narrative

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-31957-1
SDG: Lea County, New Mexico

Job ID: 880-31957-1 (Continued)**Laboratory: Eurofins Midland (Continued)**

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-59998/20), (CCV 880-59998/31), (CCV 880-59998/47), (CCV 880-59998/5), (CCV 880-59998/58), (LCS 880-59982/2-A), (LCS 880-59983/2-A), (LCSD 880-59982/3-A), (LCSD 880-59983/3-A) and (MB 880-59983/1-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS-32 (2') (880-31957-5), CS-33 (2') (880-31957-6), CS-34 (2') (880-31957-7), CS-35 (2') (880-31957-8), CS-36 (2') (880-31957-9) and CS-46 (2') (880-31957-10). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: CS-47 (2') (880-31957-11). 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-67 (2') (880-31957-17), CS-69 (2') (880-31957-19) and CS-92 (1.5') (880-31957-20). 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: CS-98 (1.5') (880-31957-26), CS-99 (1.5') (880-31957-27) and CS-100 (1.5') (880-31957-28). 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-102 (1.5') (880-31957-30), SW-18 (2') (880-31957-36), SW-20 (2') (880-31957-38) and SW-21 (2') (880-31957-39). 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 880-59983 and analytical batch 880-59998 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-59984 and analytical batch 880-59999 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-59999/20) and (CCV 880-59999/5). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-59941 and 880-59941 and analytical batch 880-60019 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. The associated samples are: CS-47 (2') (880-31957-11), CS-60 (2') (880-31957-12), CS-61 (2') (880-31957-13), CS-63 (2') (880-31957-14), CS-64 (2') (880-31957-15), CS-65 (2') (880-31957-16), CS-67 (2') (880-31957-17), CS-68 (2') (880-31957-18), CS-69 (2') (880-31957-19), CS-92 (1.5') (880-31957-20), (880-31957-A-11-B MS) and (880-31957-A-11-C MSD).

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-59942 and 880-59942 and analytical batch 880-60024 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. The associated samples are: CS-93 (1.5') (880-31957-21), CS-94 (1.5') (880-31957-22), CS-95 (1.5') (880-31957-23), CS-96 (1.5') (880-31957-24), CS-97 (1.5') (880-31957-25), CS-98 (1.5') (880-31957-26), CS-99 (1.5') (880-31957-27), CS-100 (1.5') (880-31957-28), CS-101 (1.5') (880-31957-29), CS-102 (1.5') (880-31957-30), (880-31957-A-21-B MS) and (880-31957-A-21-C 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: Modelo 533 Release

Job ID: 880-31957-1
SDG: Lea County, New Mexico

Client Sample ID: CS-13 (4.25')

Lab Sample ID: 880-31957-1

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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		08/11/23 14:06	08/11/23 21:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:06	08/11/23 21:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:06	08/11/23 21:05	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/11/23 14:06	08/11/23 21:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:06	08/11/23 21:05	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/11/23 14:06	08/11/23 21:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	08/11/23 14:06	08/11/23 21:05	1
1,4-Difluorobenzene (Surr)	90		70 - 130	08/11/23 14:06	08/11/23 21:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/15/23 15:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			08/14/23 19:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		08/11/23 16:36	08/12/23 11:04	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		08/11/23 16:36	08/12/23 11:04	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		08/11/23 16:36	08/12/23 11:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130	08/11/23 16:36	08/12/23 11:04	1
o-Terphenyl	93		70 - 130	08/11/23 16:36	08/12/23 11:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	72.5		4.97		mg/Kg			08/11/23 17:59	1

Client Sample ID: CS-14 (3.25')

Lab Sample ID: 880-31957-2

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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		08/11/23 14:06	08/11/23 21:31	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/11/23 14:06	08/11/23 21:31	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/11/23 14:06	08/11/23 21:31	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/11/23 14:06	08/11/23 21:31	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/11/23 14:06	08/11/23 21:31	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/11/23 14:06	08/11/23 21:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	08/11/23 14:06	08/11/23 21:31	1
1,4-Difluorobenzene (Surr)	84		70 - 130	08/11/23 14:06	08/11/23 21:31	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-14 (3.25')

Lab Sample ID: 880-31957-2

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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			08/15/23 15:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			08/14/23 19:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/11/23 16:36	08/12/23 12:11	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/11/23 16:36	08/12/23 12:11	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/11/23 16:36	08/12/23 12:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				08/11/23 16:36	08/12/23 12:11	1
o-Terphenyl	93		70 - 130				08/11/23 16:36	08/12/23 12:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	55.2		5.01		mg/Kg			08/11/23 18:16	1

Client Sample ID: CS-29 (2')

Lab Sample ID: 880-31957-3

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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		08/11/23 14:06	08/11/23 21:57	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/11/23 14:06	08/11/23 21:57	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/11/23 14:06	08/11/23 21:57	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/11/23 14:06	08/11/23 21:57	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/11/23 14:06	08/11/23 21:57	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/11/23 14:06	08/11/23 21:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				08/11/23 14:06	08/11/23 21:57	1
1,4-Difluorobenzene (Surr)	92		70 - 130				08/11/23 14:06	08/11/23 21:57	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/15/23 15:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	58.7		50.0		mg/Kg			08/14/23 19:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/11/23 16:36	08/12/23 12:33	1
Diesel Range Organics (Over C10-C28)	58.7		50.0		mg/Kg		08/11/23 16:36	08/12/23 12:33	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-29 (2')

Lab Sample ID: 880-31957-3

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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		08/11/23 16:36	08/12/23 12:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130				08/11/23 16:36	08/12/23 12:33	1
o-Terphenyl	111		70 - 130				08/11/23 16:36	08/12/23 12:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	300		5.02		mg/Kg			08/11/23 18:21	1

Client Sample ID: CS-31 (2')

Lab Sample ID: 880-31957-4

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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		08/11/23 14:06	08/11/23 22:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:06	08/11/23 22:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:06	08/11/23 22:24	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/11/23 14:06	08/11/23 22:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:06	08/11/23 22:24	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/11/23 14:06	08/11/23 22:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				08/11/23 14:06	08/11/23 22:24	1
1,4-Difluorobenzene (Surr)	71		70 - 130				08/11/23 14:06	08/11/23 22:24	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/15/23 15:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/14/23 19:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/11/23 16:36	08/12/23 12:56	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/11/23 16:36	08/12/23 12:56	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/11/23 16:36	08/12/23 12:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130				08/11/23 16:36	08/12/23 12:56	1
o-Terphenyl	108		70 - 130				08/11/23 16:36	08/12/23 12:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	98.1		5.00		mg/Kg			08/11/23 18:27	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-32 (2')

Lab Sample ID: 880-31957-5

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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		08/11/23 14:06	08/11/23 22:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:06	08/11/23 22:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:06	08/11/23 22:50	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/11/23 14:06	08/11/23 22:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:06	08/11/23 22:50	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/11/23 14:06	08/11/23 22:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	08/11/23 14:06	08/11/23 22:50	1
1,4-Difluorobenzene (Surr)	82		70 - 130	08/11/23 14:06	08/11/23 22:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/15/23 15:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/14/23 19:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/11/23 16:36	08/12/23 13:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/11/23 16:36	08/12/23 13:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/11/23 16:36	08/12/23 13:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	133	S1+	70 - 130	08/11/23 16:36	08/12/23 13:18	1
o-Terphenyl	112		70 - 130	08/11/23 16:36	08/12/23 13:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	179		4.96		mg/Kg			08/11/23 18:34	1

Client Sample ID: CS-33 (2')

Lab Sample ID: 880-31957-6

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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		08/11/23 14:06	08/11/23 23:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/11/23 14:06	08/11/23 23:16	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/11/23 14:06	08/11/23 23:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/11/23 14:06	08/11/23 23:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/11/23 14:06	08/11/23 23:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/11/23 14:06	08/11/23 23:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	08/11/23 14:06	08/11/23 23:16	1
1,4-Difluorobenzene (Surr)	81		70 - 130	08/11/23 14:06	08/11/23 23:16	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-33 (2')

Lab Sample ID: 880-31957-6

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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			08/15/23 15:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/14/23 19:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/11/23 16:36	08/12/23 13:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/11/23 16:36	08/12/23 13:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/11/23 16:36	08/12/23 13:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	137	S1+	70 - 130	08/11/23 16:36	08/12/23 13:40	1
o-Terphenyl	117		70 - 130	08/11/23 16:36	08/12/23 13:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	309		5.04		mg/Kg			08/11/23 18:54	1

Client Sample ID: CS-34 (2')

Lab Sample ID: 880-31957-7

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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		08/11/23 14:06	08/11/23 23:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:06	08/11/23 23:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:06	08/11/23 23:42	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/11/23 14:06	08/11/23 23:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:06	08/11/23 23:42	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/11/23 14:06	08/11/23 23:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	08/11/23 14:06	08/11/23 23:42	1
1,4-Difluorobenzene (Surr)	75		70 - 130	08/11/23 14:06	08/11/23 23:42	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			08/15/23 15:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	71.9		50.3		mg/Kg			08/14/23 19:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		08/11/23 16:36	08/12/23 14:02	1
Diesel Range Organics (Over C10-C28)	71.9		50.3		mg/Kg		08/11/23 16:36	08/12/23 14:02	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-34 (2')

Lab Sample ID: 880-31957-7

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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)	<50.3	U	50.3		mg/Kg		08/11/23 16:36	08/12/23 14:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130				08/11/23 16:36	08/12/23 14:02	1
o-Terphenyl	110		70 - 130				08/11/23 16:36	08/12/23 14:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	182		5.02		mg/Kg			08/11/23 19:00	1

Client Sample ID: CS-35 (2')

Lab Sample ID: 880-31957-8

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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		08/11/23 14:06	08/12/23 00:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:06	08/12/23 00:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:06	08/12/23 00:08	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/11/23 14:06	08/12/23 00:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:06	08/12/23 00:08	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/11/23 14:06	08/12/23 00:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	65	S1-	70 - 130				08/11/23 14:06	08/12/23 00:08	1
1,4-Difluorobenzene (Surr)	86		70 - 130				08/11/23 14:06	08/12/23 00:08	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			08/15/23 15:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	161		50.1		mg/Kg			08/14/23 19:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		08/11/23 16:36	08/12/23 14:24	1
Diesel Range Organics (Over C10-C28)	161		50.1		mg/Kg		08/11/23 16:36	08/12/23 14:24	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		08/11/23 16:36	08/12/23 14:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130				08/11/23 16:36	08/12/23 14:24	1
o-Terphenyl	114		70 - 130				08/11/23 16:36	08/12/23 14:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	500		4.99		mg/Kg			08/11/23 19:07	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 ReleaseJob ID: 880-31957-1
SDG: Lea County, New Mexico

Client Sample ID: CS-36 (2')

Lab Sample ID: 880-31957-9

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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		08/11/23 14:06	08/12/23 00:34	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/11/23 14:06	08/12/23 00:34	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/11/23 14:06	08/12/23 00:34	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/11/23 14:06	08/12/23 00:34	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/11/23 14:06	08/12/23 00:34	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/11/23 14:06	08/12/23 00:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	08/11/23 14:06	08/12/23 00:34	1
1,4-Difluorobenzene (Surr)	93		70 - 130	08/11/23 14:06	08/12/23 00:34	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			08/15/23 15:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	106		50.1		mg/Kg			08/14/23 19:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		08/11/23 16:36	08/12/23 14:46	1
Diesel Range Organics (Over C10-C28)	106		50.1		mg/Kg		08/11/23 16:36	08/12/23 14:46	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		08/11/23 16:36	08/12/23 14:46	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	132	S1+	70 - 130	08/11/23 16:36	08/12/23 14:46	1			
o-Terphenyl	111		70 - 130	08/11/23 16:36	08/12/23 14:46	1			

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	956		5.02		mg/Kg			08/11/23 19:14	1

Client Sample ID: CS-46 (2')

Lab Sample ID: 880-31957-10

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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		08/11/23 14:06	08/12/23 01:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:06	08/12/23 01:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:06	08/12/23 01:01	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/11/23 14:06	08/12/23 01:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:06	08/12/23 01:01	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/11/23 14:06	08/12/23 01:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	08/11/23 14:06	08/12/23 01:01	1
1,4-Difluorobenzene (Surr)	90		70 - 130	08/11/23 14:06	08/12/23 01:01	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-46 (2')

Lab Sample ID: 880-31957-10

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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			08/15/23 15:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	590		50.5		mg/Kg			08/14/23 19:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		08/11/23 16:36	08/12/23 15:09	1
Diesel Range Organics (Over C10-C28)	590		50.5		mg/Kg		08/11/23 16:36	08/12/23 15:09	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		08/11/23 16:36	08/12/23 15:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	153	S1+	70 - 130				08/11/23 16:36	08/12/23 15:09	1
o-Terphenyl	127		70 - 130				08/11/23 16:36	08/12/23 15:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	432		5.00		mg/Kg			08/11/23 19:20	1

Client Sample ID: CS-47 (2')

Lab Sample ID: 880-31957-11

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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		08/11/23 14:06	08/12/23 02:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:06	08/12/23 02:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:06	08/12/23 02:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/11/23 14:06	08/12/23 02:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:06	08/12/23 02:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/11/23 14:06	08/12/23 02:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130				08/11/23 14:06	08/12/23 02:45	1
1,4-Difluorobenzene (Surr)	117		70 - 130				08/11/23 14:06	08/12/23 02:45	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			08/15/23 15:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			08/14/23 19:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		08/11/23 16:36	08/12/23 15:53	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		08/11/23 16:36	08/12/23 15:53	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-47 (2')

Lab Sample ID: 880-31957-11

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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)	<50.4	U	50.4		mg/Kg		08/11/23 16:36	08/12/23 15:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	133	S1+	70 - 130				08/11/23 16:36	08/12/23 15:53	1
o-Terphenyl	113		70 - 130				08/11/23 16:36	08/12/23 15:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	390	F1	4.97		mg/Kg			08/11/23 19:27	1

Client Sample ID: CS-60 (2')

Lab Sample ID: 880-31957-12

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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		08/11/23 14:06	08/12/23 03:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/11/23 14:06	08/12/23 03:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/11/23 14:06	08/12/23 03:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/11/23 14:06	08/12/23 03:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/11/23 14:06	08/12/23 03:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/11/23 14:06	08/12/23 03:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				08/11/23 14:06	08/12/23 03:12	1
1,4-Difluorobenzene (Surr)	88		70 - 130				08/11/23 14:06	08/12/23 03:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/15/23 15:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	51.2		49.8		mg/Kg			08/14/23 19:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/11/23 16:36	08/12/23 16:15	1
Diesel Range Organics (Over C10-C28)	51.2		49.8		mg/Kg		08/11/23 16:36	08/12/23 16:15	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/11/23 16:36	08/12/23 16:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130				08/11/23 16:36	08/12/23 16:15	1
o-Terphenyl	103		70 - 130				08/11/23 16:36	08/12/23 16:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	349		5.02		mg/Kg			08/11/23 19:47	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-61 (2')

Lab Sample ID: 880-31957-13

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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		08/11/23 14:06	08/12/23 03:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:06	08/12/23 03:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:06	08/12/23 03:38	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/11/23 14:06	08/12/23 03:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:06	08/12/23 03:38	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/11/23 14:06	08/12/23 03:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	08/11/23 14:06	08/12/23 03:38	1
1,4-Difluorobenzene (Surr)	90		70 - 130	08/11/23 14:06	08/12/23 03:38	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			08/15/23 15:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	54.7		49.6		mg/Kg			08/14/23 19:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		08/11/23 16:36	08/12/23 16:38	1
Diesel Range Organics (Over C10-C28)	54.7		49.6		mg/Kg		08/11/23 16:36	08/12/23 16:38	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/11/23 16:36	08/12/23 16:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130	08/11/23 16:36	08/12/23 16:38	1
o-Terphenyl	109		70 - 130	08/11/23 16:36	08/12/23 16:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	425		5.01		mg/Kg			08/11/23 19:53	1

Client Sample ID: CS-63 (2')

Lab Sample ID: 880-31957-14

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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		08/11/23 14:06	08/12/23 04:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/11/23 14:06	08/12/23 04:04	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/11/23 14:06	08/12/23 04:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/11/23 14:06	08/12/23 04:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/11/23 14:06	08/12/23 04:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/11/23 14:06	08/12/23 04:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	08/11/23 14:06	08/12/23 04:04	1
1,4-Difluorobenzene (Surr)	77		70 - 130	08/11/23 14:06	08/12/23 04:04	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-63 (2')

Lab Sample ID: 880-31957-14

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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			08/15/23 15:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			08/14/23 19:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		08/11/23 16:36	08/12/23 17:00	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		08/11/23 16:36	08/12/23 17:00	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/11/23 16:36	08/12/23 17:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130				08/11/23 16:36	08/12/23 17:00	1
o-Terphenyl	110		70 - 130				08/11/23 16:36	08/12/23 17:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	334		4.98		mg/Kg			08/11/23 20:13	1

Client Sample ID: CS-64 (2')

Lab Sample ID: 880-31957-15

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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		08/11/23 14:06	08/12/23 04:29	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/11/23 14:06	08/12/23 04:29	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/11/23 14:06	08/12/23 04:29	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/11/23 14:06	08/12/23 04:29	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/11/23 14:06	08/12/23 04:29	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/11/23 14:06	08/12/23 04:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				08/11/23 14:06	08/12/23 04:29	1
1,4-Difluorobenzene (Surr)	87		70 - 130				08/11/23 14:06	08/12/23 04:29	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			08/15/23 15:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	162		50.1		mg/Kg			08/14/23 19:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		08/11/23 16:36	08/12/23 17:22	1
Diesel Range Organics (Over C10-C28)	162		50.1		mg/Kg		08/11/23 16:36	08/12/23 17:22	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-64 (2')

Lab Sample ID: 880-31957-15

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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)	<50.1	U	50.1		mg/Kg		08/11/23 16:36	08/12/23 17:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130				08/11/23 16:36	08/12/23 17:22	1
o-Terphenyl	107		70 - 130				08/11/23 16:36	08/12/23 17:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	450		5.03		mg/Kg			08/11/23 20:20	1

Client Sample ID: CS-65 (2')

Lab Sample ID: 880-31957-16

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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		08/11/23 14:06	08/12/23 04:55	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/11/23 14:06	08/12/23 04:55	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/11/23 14:06	08/12/23 04:55	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/11/23 14:06	08/12/23 04:55	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/11/23 14:06	08/12/23 04:55	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/11/23 14:06	08/12/23 04:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				08/11/23 14:06	08/12/23 04:55	1
1,4-Difluorobenzene (Surr)	92		70 - 130				08/11/23 14:06	08/12/23 04:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/15/23 15:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	99.3		49.7		mg/Kg			08/14/23 19:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/11/23 16:36	08/12/23 17:45	1
Diesel Range Organics (Over C10-C28)	99.3		49.7		mg/Kg		08/11/23 16:36	08/12/23 17:45	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/11/23 16:36	08/12/23 17:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				08/11/23 16:36	08/12/23 17:45	1
o-Terphenyl	106		70 - 130				08/11/23 16:36	08/12/23 17:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	405		5.04		mg/Kg			08/11/23 20:27	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-67 (2')

Lab Sample ID: 880-31957-17

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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		08/11/23 14:06	08/12/23 05:20	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/11/23 14:06	08/12/23 05:20	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/11/23 14:06	08/12/23 05:20	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/11/23 14:06	08/12/23 05:20	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/11/23 14:06	08/12/23 05:20	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/11/23 14:06	08/12/23 05:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	08/11/23 14:06	08/12/23 05:20	1
1,4-Difluorobenzene (Surr)	77		70 - 130	08/11/23 14:06	08/12/23 05:20	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			08/15/23 15:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	79.8		50.0		mg/Kg			08/14/23 19:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/11/23 16:36	08/12/23 18:07	1
Diesel Range Organics (Over C10-C28)	79.8		50.0		mg/Kg		08/11/23 16:36	08/12/23 18:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/11/23 16:36	08/12/23 18:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	151	S1+	70 - 130	08/11/23 16:36	08/12/23 18:07	1
o-Terphenyl	126		70 - 130	08/11/23 16:36	08/12/23 18:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	312		4.99		mg/Kg			08/11/23 20:33	1

Client Sample ID: CS-68 (2')

Lab Sample ID: 880-31957-18

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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		08/11/23 14:06	08/12/23 05:45	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/11/23 14:06	08/12/23 05:45	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/11/23 14:06	08/12/23 05:45	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/11/23 14:06	08/12/23 05:45	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/11/23 14:06	08/12/23 05:45	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/11/23 14:06	08/12/23 05:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	08/11/23 14:06	08/12/23 05:45	1
1,4-Difluorobenzene (Surr)	81		70 - 130	08/11/23 14:06	08/12/23 05:45	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-68 (2')

Lab Sample ID: 880-31957-18

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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			08/15/23 15:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			08/14/23 19:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		08/11/23 16:36	08/12/23 18:29	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		08/11/23 16:36	08/12/23 18:29	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		08/11/23 16:36	08/12/23 18:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130				08/11/23 16:36	08/12/23 18:29	1
o-Terphenyl	109		70 - 130				08/11/23 16:36	08/12/23 18:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	135		4.96		mg/Kg			08/11/23 20:40	1

Client Sample ID: CS-69 (2')

Lab Sample ID: 880-31957-19

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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		08/11/23 14:06	08/12/23 06:10	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/11/23 14:06	08/12/23 06:10	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/11/23 14:06	08/12/23 06:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/11/23 14:06	08/12/23 06:10	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/11/23 14:06	08/12/23 06:10	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/11/23 14:06	08/12/23 06:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				08/11/23 14:06	08/12/23 06:10	1
1,4-Difluorobenzene (Surr)	76		70 - 130				08/11/23 14:06	08/12/23 06:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/15/23 15:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			08/14/23 19:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		08/11/23 16:36	08/12/23 18:51	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		08/11/23 16:36	08/12/23 18:51	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-69 (2')

Lab Sample ID: 880-31957-19

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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)	<50.1	U	50.1		mg/Kg		08/11/23 16:36	08/12/23 18:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130				08/11/23 16:36	08/12/23 18:51	1
o-Terphenyl	111		70 - 130				08/11/23 16:36	08/12/23 18:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	151		5.03		mg/Kg			08/11/23 20:46	1

Client Sample ID: CS-92 (1.5')

Lab Sample ID: 880-31957-20

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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		08/11/23 14:06	08/12/23 06:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:06	08/12/23 06:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:06	08/12/23 06:35	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/11/23 14:06	08/12/23 06:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:06	08/12/23 06:35	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/11/23 14:06	08/12/23 06:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				08/11/23 14:06	08/12/23 06:35	1
1,4-Difluorobenzene (Surr)	92		70 - 130				08/11/23 14:06	08/12/23 06:35	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			08/15/23 15:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/14/23 19:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/11/23 16:36	08/12/23 19:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/11/23 16:36	08/12/23 19:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/11/23 16:36	08/12/23 19:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	151	S1+	70 - 130				08/11/23 16:36	08/12/23 19:13	1
o-Terphenyl	119		70 - 130				08/11/23 16:36	08/12/23 19:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	302		5.02		mg/Kg			08/11/23 20:53	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-93 (1.5')

Lab Sample ID: 880-31957-21

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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		08/11/23 14:09	08/12/23 00:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/11/23 14:09	08/12/23 00:49	1
Ethylbenzene	<0.00199	U *	0.00199		mg/Kg		08/11/23 14:09	08/12/23 00:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/11/23 14:09	08/12/23 00:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/11/23 14:09	08/12/23 00:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/11/23 14:09	08/12/23 00:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	08/11/23 14:09	08/12/23 00:49	1
1,4-Difluorobenzene (Surr)	104		70 - 130	08/11/23 14:09	08/12/23 00:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/14/23 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			08/14/23 19:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		08/11/23 16:40	08/12/23 21:05	1
Diesel Range Organics (Over C10-C28)	<50.5	U *1	50.5		mg/Kg		08/11/23 16:40	08/12/23 21:05	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		08/11/23 16:40	08/12/23 21:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130	08/11/23 16:40	08/12/23 21:05	1
o-Terphenyl	109		70 - 130	08/11/23 16:40	08/12/23 21:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	371	F1	4.98		mg/Kg			08/12/23 01:47	1

Client Sample ID: CS-94 (1.5')

Lab Sample ID: 880-31957-22

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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		08/11/23 14:09	08/12/23 01:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:09	08/12/23 01:10	1
Ethylbenzene	<0.00200	U *	0.00200		mg/Kg		08/11/23 14:09	08/12/23 01:10	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/11/23 14:09	08/12/23 01:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:09	08/12/23 01:10	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/11/23 14:09	08/12/23 01:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	08/11/23 14:09	08/12/23 01:10	1
1,4-Difluorobenzene (Surr)	110		70 - 130	08/11/23 14:09	08/12/23 01:10	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-94 (1.5')

Lab Sample ID: 880-31957-22

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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			08/14/23 11:01	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			08/14/23 19:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/11/23 16:40	08/12/23 22:11	1
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8		mg/Kg		08/11/23 16:40	08/12/23 22:11	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/11/23 16:40	08/12/23 22:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130				08/11/23 16:40	08/12/23 22:11	1
o-Terphenyl	101		70 - 130				08/11/23 16:40	08/12/23 22:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	406		5.04		mg/Kg			08/12/23 02:18	1

Client Sample ID: CS-95 (1.5')

Lab Sample ID: 880-31957-23

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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		08/11/23 14:09	08/12/23 01:30	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/11/23 14:09	08/12/23 01:30	1
Ethylbenzene	<0.00202	U *	0.00202		mg/Kg		08/11/23 14:09	08/12/23 01:30	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/11/23 14:09	08/12/23 01:30	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/11/23 14:09	08/12/23 01:30	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/11/23 14:09	08/12/23 01:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130				08/11/23 14:09	08/12/23 01:30	1
1,4-Difluorobenzene (Surr)	109		70 - 130				08/11/23 14:09	08/12/23 01:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			08/14/23 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			08/14/23 19:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		08/11/23 16:40	08/12/23 22:34	1
Diesel Range Organics (Over C10-C28)	<49.6	U *1	49.6		mg/Kg		08/11/23 16:40	08/12/23 22:34	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-95 (1.5')

Lab Sample ID: 880-31957-23

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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)	<49.6	U	49.6		mg/Kg		08/11/23 16:40	08/12/23 22:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				08/11/23 16:40	08/12/23 22:34	1
o-Terphenyl	88		70 - 130				08/11/23 16:40	08/12/23 22:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	74.7		5.03		mg/Kg			08/12/23 02:29	1

Client Sample ID: CS-96 (1.5')

Lab Sample ID: 880-31957-24

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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		08/11/23 14:09	08/12/23 01:51	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/11/23 14:09	08/12/23 01:51	1
Ethylbenzene	<0.00199	U *	0.00199		mg/Kg		08/11/23 14:09	08/12/23 01:51	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/11/23 14:09	08/12/23 01:51	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/11/23 14:09	08/12/23 01:51	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/11/23 14:09	08/12/23 01:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				08/11/23 14:09	08/12/23 01:51	1
1,4-Difluorobenzene (Surr)	109		70 - 130				08/11/23 14:09	08/12/23 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			08/14/23 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	92.2		49.5		mg/Kg			08/14/23 19:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.5	U	49.5		mg/Kg		08/11/23 16:40	08/12/23 22:56	1
Diesel Range Organics (Over C10-C28)	92.2	*1	49.5		mg/Kg		08/11/23 16:40	08/12/23 22:56	1
Oil Range Organics (Over C28-C36)	<49.5	U	49.5		mg/Kg		08/11/23 16:40	08/12/23 22:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130				08/11/23 16:40	08/12/23 22:56	1
o-Terphenyl	106		70 - 130				08/11/23 16:40	08/12/23 22:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	278		5.01		mg/Kg			08/12/23 02:39	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-31957-1
SDG: Lea County, New Mexico

Client Sample ID: CS-97 (1.5')

Lab Sample ID: 880-31957-25

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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		08/11/23 14:09	08/12/23 02:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:09	08/12/23 02:12	1
Ethylbenzene	<0.00200	U *	0.00200		mg/Kg		08/11/23 14:09	08/12/23 02:12	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/11/23 14:09	08/12/23 02:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:09	08/12/23 02:12	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/11/23 14:09	08/12/23 02:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	08/11/23 14:09	08/12/23 02:12	1
1,4-Difluorobenzene (Surr)	108		70 - 130	08/11/23 14:09	08/12/23 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			08/14/23 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/14/23 19:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/11/23 16:40	08/12/23 23:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		08/11/23 16:40	08/12/23 23:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/11/23 16:40	08/12/23 23:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130	08/11/23 16:40	08/12/23 23:17	1
o-Terphenyl	100		70 - 130	08/11/23 16:40	08/12/23 23:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	96.5		4.99		mg/Kg			08/12/23 02:50	1

Client Sample ID: CS-98 (1.5')

Lab Sample ID: 880-31957-26

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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		08/11/23 14:09	08/12/23 02:33	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/11/23 14:09	08/12/23 02:33	1
Ethylbenzene	<0.00201	U *	0.00201		mg/Kg		08/11/23 14:09	08/12/23 02:33	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/11/23 14:09	08/12/23 02:33	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/11/23 14:09	08/12/23 02:33	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/11/23 14:09	08/12/23 02:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	08/11/23 14:09	08/12/23 02:33	1
1,4-Difluorobenzene (Surr)	108		70 - 130	08/11/23 14:09	08/12/23 02:33	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-98 (1.5')

Lab Sample ID: 880-31957-26

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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			08/14/23 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/14/23 19:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/11/23 16:40	08/12/23 23:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		08/11/23 16:40	08/12/23 23:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/11/23 16:40	08/12/23 23:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	152	S1+	70 - 130	08/11/23 16:40	08/12/23 23:39	1
o-Terphenyl	122		70 - 130	08/11/23 16:40	08/12/23 23:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	74.6		4.97		mg/Kg			08/12/23 03:21	1

Client Sample ID: CS-99 (1.5')

Lab Sample ID: 880-31957-27

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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		08/11/23 14:09	08/12/23 02:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:09	08/12/23 02:54	1
Ethylbenzene	<0.00200	U *	0.00200		mg/Kg		08/11/23 14:09	08/12/23 02:54	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/11/23 14:09	08/12/23 02:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:09	08/12/23 02:54	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/11/23 14:09	08/12/23 02:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	08/11/23 14:09	08/12/23 02:54	1
1,4-Difluorobenzene (Surr)	110		70 - 130	08/11/23 14:09	08/12/23 02:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/14/23 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			08/14/23 19:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		08/11/23 16:40	08/13/23 00:01	1
Diesel Range Organics (Over C10-C28)	<50.4	U *1	50.4		mg/Kg		08/11/23 16:40	08/13/23 00:01	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-99 (1.5')

Lab Sample ID: 880-31957-27

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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)	<50.4	U	50.4		mg/Kg		08/11/23 16:40	08/13/23 00:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	133	S1+	70 - 130				08/11/23 16:40	08/13/23 00:01	1
o-Terphenyl	110		70 - 130				08/11/23 16:40	08/13/23 00:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	94.4		5.02		mg/Kg			08/12/23 03:52	1

Client Sample ID: CS-100 (1.5')

Lab Sample ID: 880-31957-28

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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		08/11/23 14:09	08/12/23 03:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:09	08/12/23 03:14	1
Ethylbenzene	<0.00200	U *	0.00200		mg/Kg		08/11/23 14:09	08/12/23 03:14	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/11/23 14:09	08/12/23 03:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:09	08/12/23 03:14	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/11/23 14:09	08/12/23 03:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				08/11/23 14:09	08/12/23 03:14	1
1,4-Difluorobenzene (Surr)	107		70 - 130				08/11/23 14:09	08/12/23 03:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/14/23 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			08/14/23 19:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		08/11/23 16:40	08/13/23 00:22	1
Diesel Range Organics (Over C10-C28)	<50.2	U *1	50.2		mg/Kg		08/11/23 16:40	08/13/23 00:22	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		08/11/23 16:40	08/13/23 00:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	142	S1+	70 - 130				08/11/23 16:40	08/13/23 00:22	1
o-Terphenyl	117		70 - 130				08/11/23 16:40	08/13/23 00:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	75.3		5.01		mg/Kg			08/12/23 03:31	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-101 (1.5')

Lab Sample ID: 880-31957-29

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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		08/11/23 14:09	08/12/23 03:35	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/11/23 14:09	08/12/23 03:35	1
Ethylbenzene	<0.00202	U *	0.00202		mg/Kg		08/11/23 14:09	08/12/23 03:35	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/11/23 14:09	08/12/23 03:35	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/11/23 14:09	08/12/23 03:35	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/11/23 14:09	08/12/23 03:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	08/11/23 14:09	08/12/23 03:35	1
1,4-Difluorobenzene (Surr)	111		70 - 130	08/11/23 14:09	08/12/23 03:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			08/14/23 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			08/14/23 19:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		08/11/23 16:40	08/13/23 00:44	1
Diesel Range Organics (Over C10-C28)	<50.1	U *1	50.1		mg/Kg		08/11/23 16:40	08/13/23 00:44	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		08/11/23 16:40	08/13/23 00:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130	08/11/23 16:40	08/13/23 00:44	1
o-Terphenyl	103		70 - 130	08/11/23 16:40	08/13/23 00:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	81.8		5.03		mg/Kg			08/12/23 03:41	1

Client Sample ID: CS-102 (1.5')

Lab Sample ID: 880-31957-30

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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		08/11/23 14:09	08/12/23 03:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:09	08/12/23 03:56	1
Ethylbenzene	<0.00200	U *	0.00200		mg/Kg		08/11/23 14:09	08/12/23 03:56	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/11/23 14:09	08/12/23 03:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:09	08/12/23 03:56	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/11/23 14:09	08/12/23 03:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	08/11/23 14:09	08/12/23 03:56	1
1,4-Difluorobenzene (Surr)	101		70 - 130	08/11/23 14:09	08/12/23 03:56	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-102 (1.5')

Lab Sample ID: 880-31957-30

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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			08/14/23 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			08/14/23 19:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		08/11/23 16:40	08/13/23 01:05	1
Diesel Range Organics (Over C10-C28)	<50.4	U *1	50.4		mg/Kg		08/11/23 16:40	08/13/23 01:05	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/11/23 16:40	08/13/23 01:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	133	S1+	70 - 130				08/11/23 16:40	08/13/23 01:05	1
o-Terphenyl	110		70 - 130				08/11/23 16:40	08/13/23 01:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	71.2		4.95		mg/Kg			08/12/23 04:02	1

Client Sample ID: SW-5 (4')

Lab Sample ID: 880-31957-31

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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		08/11/23 14:09	08/12/23 05:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/11/23 14:09	08/12/23 05:20	1
Ethylbenzene	<0.00199	U *	0.00199		mg/Kg		08/11/23 14:09	08/12/23 05:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/11/23 14:09	08/12/23 05:20	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/11/23 14:09	08/12/23 05:20	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/11/23 14:09	08/12/23 05:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				08/11/23 14:09	08/12/23 05:20	1
1,4-Difluorobenzene (Surr)	98		70 - 130				08/11/23 14:09	08/12/23 05:20	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			08/14/23 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			08/14/23 19:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		08/11/23 16:40	08/13/23 01:48	1
Diesel Range Organics (Over C10-C28)	<49.6	U *1	49.6		mg/Kg		08/11/23 16:40	08/13/23 01:48	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

Client Sample ID: SW-5 (4')

Lab Sample ID: 880-31957-31

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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)	<49.6	U	49.6		mg/Kg		08/11/23 16:40	08/13/23 01:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130				08/11/23 16:40	08/13/23 01:48	1
o-Terphenyl	98		70 - 130				08/11/23 16:40	08/13/23 01:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	76.3		4.98		mg/Kg			08/12/23 04:12	1

Client Sample ID: SW-6 (4')

Lab Sample ID: 880-31957-32

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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		08/11/23 14:09	08/12/23 05:40	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/11/23 14:09	08/12/23 05:40	1
Ethylbenzene	<0.00198	U *	0.00198		mg/Kg		08/11/23 14:09	08/12/23 05:40	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		08/11/23 14:09	08/12/23 05:40	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/11/23 14:09	08/12/23 05:40	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		08/11/23 14:09	08/12/23 05:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				08/11/23 14:09	08/12/23 05:40	1
1,4-Difluorobenzene (Surr)	104		70 - 130				08/11/23 14:09	08/12/23 05:40	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			08/14/23 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			08/14/23 19:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/11/23 16:40	08/13/23 02:10	1
Diesel Range Organics (Over C10-C28)	<49.7	U *1	49.7		mg/Kg		08/11/23 16:40	08/13/23 02:10	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/11/23 16:40	08/13/23 02:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130				08/11/23 16:40	08/13/23 02:10	1
o-Terphenyl	100		70 - 130				08/11/23 16:40	08/13/23 02:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	90.9		5.04		mg/Kg			08/12/23 04:44	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

Client Sample ID: SW-14 (3')

Lab Sample ID: 880-31957-33

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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		08/11/23 14:09	08/12/23 06:01	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/11/23 14:09	08/12/23 06:01	1
Ethylbenzene	<0.00199	U *	0.00199		mg/Kg		08/11/23 14:09	08/12/23 06:01	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/11/23 14:09	08/12/23 06:01	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/11/23 14:09	08/12/23 06:01	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/11/23 14:09	08/12/23 06:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	08/11/23 14:09	08/12/23 06:01	1
1,4-Difluorobenzene (Surr)	104		70 - 130	08/11/23 14:09	08/12/23 06:01	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			08/14/23 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/14/23 19:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/11/23 16:40	08/13/23 02:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		08/11/23 16:40	08/13/23 02:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/11/23 16:40	08/13/23 02:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130	08/11/23 16:40	08/13/23 02:31	1
o-Terphenyl	99		70 - 130	08/11/23 16:40	08/13/23 02:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.6		4.97		mg/Kg			08/12/23 04:54	1

Client Sample ID: SW-16 (2')

Lab Sample ID: 880-31957-34

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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		08/11/23 14:09	08/12/23 06:22	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/11/23 14:09	08/12/23 06:22	1
Ethylbenzene	<0.00198	U *	0.00198		mg/Kg		08/11/23 14:09	08/12/23 06:22	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/11/23 14:09	08/12/23 06:22	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/11/23 14:09	08/12/23 06:22	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/11/23 14:09	08/12/23 06:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	08/11/23 14:09	08/12/23 06:22	1
1,4-Difluorobenzene (Surr)	107		70 - 130	08/11/23 14:09	08/12/23 06:22	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

Client Sample ID: SW-16 (2')

Lab Sample ID: 880-31957-34

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/14/23 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	286		50.2		mg/Kg			08/14/23 19:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		08/11/23 16:40	08/13/23 02:53	1
Diesel Range Organics (Over C10-C28)	286	*1	50.2		mg/Kg		08/11/23 16:40	08/13/23 02:53	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		08/11/23 16:40	08/13/23 02:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130				08/11/23 16:40	08/13/23 02:53	1
o-Terphenyl	108		70 - 130				08/11/23 16:40	08/13/23 02:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	267		5.00		mg/Kg			08/12/23 05:25	1

Client Sample ID: SW-17 (2')

Lab Sample ID: 880-31957-35

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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		08/11/23 14:09	08/12/23 06:42	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/11/23 14:09	08/12/23 06:42	1
Ethylbenzene	<0.00202	U *	0.00202		mg/Kg		08/11/23 14:09	08/12/23 06:42	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/11/23 14:09	08/12/23 06:42	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/11/23 14:09	08/12/23 06:42	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/11/23 14:09	08/12/23 06:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				08/11/23 14:09	08/12/23 06:42	1
1,4-Difluorobenzene (Surr)	106		70 - 130				08/11/23 14:09	08/12/23 06:42	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			08/14/23 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	84.3		50.1		mg/Kg			08/14/23 19:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		08/11/23 16:40	08/13/23 03:14	1
Diesel Range Organics (Over C10-C28)	84.3	*1	50.1		mg/Kg		08/11/23 16:40	08/13/23 03:14	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

Client Sample ID: SW-17 (2')

Lab Sample ID: 880-31957-35

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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)	<50.1	U	50.1		mg/Kg		08/11/23 16:40	08/13/23 03:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130				08/11/23 16:40	08/13/23 03:14	1
o-Terphenyl	106		70 - 130				08/11/23 16:40	08/13/23 03:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	517		5.00		mg/Kg			08/12/23 05:35	1

Client Sample ID: SW-18 (2')

Lab Sample ID: 880-31957-36

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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		08/11/23 14:09	08/12/23 07:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:09	08/12/23 07:03	1
Ethylbenzene	<0.00200	U *	0.00200		mg/Kg		08/11/23 14:09	08/12/23 07:03	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/11/23 14:09	08/12/23 07:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:09	08/12/23 07:03	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/11/23 14:09	08/12/23 07:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130				08/11/23 14:09	08/12/23 07:03	1
1,4-Difluorobenzene (Surr)	108		70 - 130				08/11/23 14:09	08/12/23 07:03	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			08/14/23 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			08/14/23 19:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		08/11/23 16:40	08/13/23 03:35	1
Diesel Range Organics (Over C10-C28)	<50.4	U *1	50.4		mg/Kg		08/11/23 16:40	08/13/23 03:35	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/11/23 16:40	08/13/23 03:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130				08/11/23 16:40	08/13/23 03:35	1
o-Terphenyl	109		70 - 130				08/11/23 16:40	08/13/23 03:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	144		5.04		mg/Kg			08/12/23 05:46	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

Client Sample ID: SW-19 (2')

Lab Sample ID: 880-31957-37

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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		08/11/23 14:09	08/12/23 07:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:09	08/12/23 07:24	1
Ethylbenzene	<0.00200	U *	0.00200		mg/Kg		08/11/23 14:09	08/12/23 07:24	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/11/23 14:09	08/12/23 07:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:09	08/12/23 07:24	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/11/23 14:09	08/12/23 07:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	08/11/23 14:09	08/12/23 07:24	1
1,4-Difluorobenzene (Surr)	112		70 - 130	08/11/23 14:09	08/12/23 07:24	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/14/23 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			08/14/23 19:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		08/11/23 16:40	08/13/23 03:57	1
Diesel Range Organics (Over C10-C28)	<50.3	U *1	50.3		mg/Kg		08/11/23 16:40	08/13/23 03:57	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		08/11/23 16:40	08/13/23 03:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130	08/11/23 16:40	08/13/23 03:57	1
o-Terphenyl	108		70 - 130	08/11/23 16:40	08/13/23 03:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	265		5.03		mg/Kg			08/12/23 05:56	1

Client Sample ID: SW-20 (2')

Lab Sample ID: 880-31957-38

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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		08/11/23 14:09	08/12/23 07:44	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/11/23 14:09	08/12/23 07:44	1
Ethylbenzene	<0.00198	U *	0.00198		mg/Kg		08/11/23 14:09	08/12/23 07:44	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/11/23 14:09	08/12/23 07:44	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/11/23 14:09	08/12/23 07:44	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/11/23 14:09	08/12/23 07:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	08/11/23 14:09	08/12/23 07:44	1
1,4-Difluorobenzene (Surr)	106		70 - 130	08/11/23 14:09	08/12/23 07:44	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

Client Sample ID: SW-20 (2')

Lab Sample ID: 880-31957-38

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/14/23 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			08/14/23 19:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/11/23 16:40	08/13/23 04:18	1
Diesel Range Organics (Over C10-C28)	<49.7	U *1	49.7		mg/Kg		08/11/23 16:40	08/13/23 04:18	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/11/23 16:40	08/13/23 04:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	152	S1+	70 - 130				08/11/23 16:40	08/13/23 04:18	1
o-Terphenyl	128		70 - 130				08/11/23 16:40	08/13/23 04:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	414		4.99		mg/Kg			08/12/23 06:06	1

Client Sample ID: SW-21 (2')

Lab Sample ID: 880-31957-39

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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		08/11/23 14:09	08/12/23 08:05	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/11/23 14:09	08/12/23 08:05	1
Ethylbenzene	<0.00199	U *	0.00199		mg/Kg		08/11/23 14:09	08/12/23 08:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/11/23 14:09	08/12/23 08:05	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/11/23 14:09	08/12/23 08:05	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/11/23 14:09	08/12/23 08:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				08/11/23 14:09	08/12/23 08:05	1
1,4-Difluorobenzene (Surr)	105		70 - 130				08/11/23 14:09	08/12/23 08:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/14/23 11:01	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			08/14/23 19:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/11/23 16:40	08/13/23 04:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		08/11/23 16:40	08/13/23 04:39	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

Client Sample ID: SW-21 (2')

Lab Sample ID: 880-31957-39

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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		08/11/23 16:40	08/13/23 04:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	148	S1+	70 - 130				08/11/23 16:40	08/13/23 04:39	1
o-Terphenyl	123		70 - 130				08/11/23 16:40	08/13/23 04:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	407		4.96		mg/Kg			08/12/23 06:17	1

Client Sample ID: SW-22 (1.5')

Lab Sample ID: 880-31957-40

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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		08/11/23 14:09	08/12/23 08:26	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/11/23 14:09	08/12/23 08:26	1
Ethylbenzene	<0.00201	U *	0.00201		mg/Kg		08/11/23 14:09	08/12/23 08:26	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/11/23 14:09	08/12/23 08:26	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/11/23 14:09	08/12/23 08:26	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/11/23 14:09	08/12/23 08:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				08/11/23 14:09	08/12/23 08:26	1
1,4-Difluorobenzene (Surr)	109		70 - 130				08/11/23 14:09	08/12/23 08:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/14/23 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			08/14/23 19:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		08/11/23 16:40	08/13/23 05:01	1
Diesel Range Organics (Over C10-C28)	<50.3	U *1	50.3		mg/Kg		08/11/23 16:40	08/13/23 05:01	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		08/11/23 16:40	08/13/23 05:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130				08/11/23 16:40	08/13/23 05:01	1
o-Terphenyl	96		70 - 130				08/11/23 16:40	08/13/23 05:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	83.2		4.95		mg/Kg			08/12/23 06:27	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

Client Sample ID: SW-23 (1.5')

Lab Sample ID: 880-31957-41

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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		08/11/23 14:48	08/12/23 04:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/11/23 14:48	08/12/23 04:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/11/23 14:48	08/12/23 04:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/11/23 14:48	08/12/23 04:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/11/23 14:48	08/12/23 04:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/11/23 14:48	08/12/23 04:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	08/11/23 14:48	08/12/23 04:32	1
1,4-Difluorobenzene (Surr)	59	S1-	70 - 130	08/11/23 14:48	08/12/23 04:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/14/23 14:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	64.3		50.3		mg/Kg			08/14/23 21:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		08/11/23 16:43	08/12/23 11:04	1
Diesel Range Organics (Over C10-C28)	64.3		50.3		mg/Kg		08/11/23 16:43	08/12/23 11:04	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		08/11/23 16:43	08/12/23 11:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	08/11/23 16:43	08/12/23 11:04	1
o-Terphenyl	115		70 - 130	08/11/23 16:43	08/12/23 11:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	327		5.05		mg/Kg			08/12/23 07:50	1

Client Sample ID: SW-24 (1.5')

Lab Sample ID: 880-31957-42

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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		08/11/23 14:48	08/12/23 04:53	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/11/23 14:48	08/12/23 04:53	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/11/23 14:48	08/12/23 04:53	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/11/23 14:48	08/12/23 04:53	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/11/23 14:48	08/12/23 04:53	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/11/23 14:48	08/12/23 04:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130	08/11/23 14:48	08/12/23 04:53	1
1,4-Difluorobenzene (Surr)	67	S1-	70 - 130	08/11/23 14:48	08/12/23 04:53	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

Client Sample ID: SW-24 (1.5')

Lab Sample ID: 880-31957-42

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/14/23 14:44	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			08/14/23 21:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/11/23 16:43	08/12/23 12:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/11/23 16:43	08/12/23 12:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/11/23 16:43	08/12/23 12:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				08/11/23 16:43	08/12/23 12:11	1
o-Terphenyl	105		70 - 130				08/11/23 16:43	08/12/23 12:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	380		5.02		mg/Kg			08/12/23 08:21	1

Client Sample ID: SW-29 (2')

Lab Sample ID: 880-31957-43

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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		08/11/23 14:48	08/12/23 05:13	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/11/23 14:48	08/12/23 05:13	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/11/23 14:48	08/12/23 05:13	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/11/23 14:48	08/12/23 05:13	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/11/23 14:48	08/12/23 05:13	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/11/23 14:48	08/12/23 05:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		70 - 130				08/11/23 14:48	08/12/23 05:13	1
1,4-Difluorobenzene (Surr)	73		70 - 130				08/11/23 14:48	08/12/23 05:13	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			08/14/23 14:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	92.4		50.3		mg/Kg			08/14/23 21:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		08/11/23 16:43	08/12/23 12:33	1
Diesel Range Organics (Over C10-C28)	92.4		50.3		mg/Kg		08/11/23 16:43	08/12/23 12:33	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

Client Sample ID: SW-29 (2')

Lab Sample ID: 880-31957-43

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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)	<50.3	U	50.3		mg/Kg		08/11/23 16:43	08/12/23 12:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				08/11/23 16:43	08/12/23 12:33	1
o-Terphenyl	114		70 - 130				08/11/23 16:43	08/12/23 12:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	327		4.98		mg/Kg			08/12/23 08:32	1

Client Sample ID: SW-30 (0.5')

Lab Sample ID: 880-31957-44

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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		08/11/23 14:48	08/12/23 05:34	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/11/23 14:48	08/12/23 05:34	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/11/23 14:48	08/12/23 05:34	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/11/23 14:48	08/12/23 05:34	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/11/23 14:48	08/12/23 05:34	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/11/23 14:48	08/12/23 05:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130				08/11/23 14:48	08/12/23 05:34	1
1,4-Difluorobenzene (Surr)	63	S1-	70 - 130				08/11/23 14:48	08/12/23 05:34	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			08/14/23 14:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	379		50.4		mg/Kg			08/14/23 21:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		08/11/23 16:43	08/12/23 12:56	1
Diesel Range Organics (Over C10-C28)	379		50.4		mg/Kg		08/11/23 16:43	08/12/23 12:56	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/11/23 16:43	08/12/23 12:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				08/11/23 16:43	08/12/23 12:56	1
o-Terphenyl	109		70 - 130				08/11/23 16:43	08/12/23 12:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	421		4.99		mg/Kg			08/12/23 08:42	1

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Surrogate Summary

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 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)
880-31953-A-1-A MS	Matrix Spike	124	112
880-31953-A-1-B MSD	Matrix Spike Duplicate	119	119
880-31957-1	CS-13 (4.25')	100	90
880-31957-1 MS	CS-13 (4.25')	88	77
880-31957-1 MSD	CS-13 (4.25')	90	81
880-31957-2	CS-14 (3.25')	100	84
880-31957-3	CS-29 (2')	102	92
880-31957-4	CS-31 (2')	91	71
880-31957-5	CS-32 (2')	99	82
880-31957-6	CS-33 (2')	99	81
880-31957-7	CS-34 (2')	102	75
880-31957-8	CS-35 (2')	65 S1-	86
880-31957-9	CS-36 (2')	113	93
880-31957-10	CS-46 (2')	112	90
880-31957-11	CS-47 (2')	135 S1+	117
880-31957-12	CS-60 (2')	124	88
880-31957-13	CS-61 (2')	103	90
880-31957-14	CS-63 (2')	112	77
880-31957-15	CS-64 (2')	104	87
880-31957-16	CS-65 (2')	103	92
880-31957-17	CS-67 (2')	121	77
880-31957-18	CS-68 (2')	103	81
880-31957-19	CS-69 (2')	107	76
880-31957-20	CS-92 (1.5')	124	92
880-31957-21	CS-93 (1.5')	87	104
880-31957-21 MS	CS-93 (1.5')	82	103
880-31957-21 MSD	CS-93 (1.5')	95	103
880-31957-22	CS-94 (1.5')	89	110
880-31957-23	CS-95 (1.5')	86	109
880-31957-24	CS-96 (1.5')	91	109
880-31957-25	CS-97 (1.5')	89	108
880-31957-26	CS-98 (1.5')	90	108
880-31957-27	CS-99 (1.5')	91	110
880-31957-28	CS-100 (1.5')	89	107
880-31957-29	CS-101 (1.5')	97	111
880-31957-30	CS-102 (1.5')	101	101
880-31957-31	SW-5 (4')	88	98
880-31957-32	SW-6 (4')	96	104
880-31957-33	SW-14 (3')	98	104
880-31957-34	SW-16 (2')	96	107
880-31957-35	SW-17 (2')	95	106
880-31957-36	SW-18 (2')	86	108
880-31957-37	SW-19 (2')	92	112
880-31957-38	SW-20 (2')	90	106
880-31957-39	SW-21 (2')	96	105
880-31957-40	SW-22 (1.5')	94	109
880-31957-41	SW-23 (1.5')	92	59 S1-
880-31957-42	SW-24 (1.5')	80	67 S1-
880-31957-43	SW-29 (2')	79	73

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Surrogate Summary

Client: Carmona Resources
Project/Site: Modelo 533 ReleaseJob ID: 880-31957-1
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)
880-31957-44	SW-30 (0.5')	84	63 S1-
LCS 880-59950/1-A	Lab Control Sample	94	83
LCS 880-59951/1-A	Lab Control Sample	82	104
LCS 880-59953/1-A	Lab Control Sample	114	122
LCSD 880-59950/2-A	Lab Control Sample Dup	95	81
LCSD 880-59951/2-A	Lab Control Sample Dup	83	104
LCSD 880-59953/2-A	Lab Control Sample Dup	114	122
MB 880-59910/5-A	Method Blank	76	92
MB 880-59927/5-A	Method Blank	73	78
MB 880-59950/5-A	Method Blank	58 S1-	76
MB 880-59951/5-A	Method Blank	76	91
MB 880-59953/5-A	Method Blank	70	100

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)
880-31957-1	CS-13 (4.25')	117	93
880-31957-1 MS	CS-13 (4.25')	112	83
880-31957-1 MSD	CS-13 (4.25')	113	83
880-31957-2	CS-14 (3.25')	116	93
880-31957-3	CS-29 (2')	130	111
880-31957-4	CS-31 (2')	129	108
880-31957-5	CS-32 (2')	133 S1+	112
880-31957-6	CS-33 (2')	137 S1+	117
880-31957-7	CS-34 (2')	131 S1+	110
880-31957-8	CS-35 (2')	136 S1+	114
880-31957-9	CS-36 (2')	132 S1+	111
880-31957-10	CS-46 (2')	153 S1+	127
880-31957-11	CS-47 (2')	133 S1+	113
880-31957-12	CS-60 (2')	123	103
880-31957-13	CS-61 (2')	129	109
880-31957-14	CS-63 (2')	130	110
880-31957-15	CS-64 (2')	128	107
880-31957-16	CS-65 (2')	126	106
880-31957-17	CS-67 (2')	151 S1+	126
880-31957-18	CS-68 (2')	128	109
880-31957-19	CS-69 (2')	135 S1+	111
880-31957-20	CS-92 (1.5')	151 S1+	119
880-31957-21	CS-93 (1.5')	130	109
880-31957-21 MS	CS-93 (1.5')	124	94
880-31957-21 MSD	CS-93 (1.5')	123	93
880-31957-22	CS-94 (1.5')	124	101
880-31957-23	CS-95 (1.5')	109	88
880-31957-24	CS-96 (1.5')	127	106

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Surrogate Summary

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 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)
880-31957-25	CS-97 (1.5')	123	100
880-31957-26	CS-98 (1.5')	152 S1+	122
880-31957-27	CS-99 (1.5')	133 S1+	110
880-31957-28	CS-100 (1.5')	142 S1+	117
880-31957-29	CS-101 (1.5')	125	103
880-31957-30	CS-102 (1.5')	133 S1+	110
880-31957-31	SW-5 (4')	123	98
880-31957-32	SW-6 (4')	125	100
880-31957-33	SW-14 (3')	124	99
880-31957-34	SW-16 (2')	130	108
880-31957-35	SW-17 (2')	128	106
880-31957-36	SW-18 (2')	132 S1+	109
880-31957-37	SW-19 (2')	129	108
880-31957-38	SW-20 (2')	152 S1+	128
880-31957-39	SW-21 (2')	148 S1+	123
880-31957-40	SW-22 (1.5')	123	96
880-31957-41	SW-23 (1.5')	112	115
880-31957-41 MS	SW-23 (1.5')	100	97
880-31957-41 MSD	SW-23 (1.5')	98	97
880-31957-42	SW-24 (1.5')	101	105
880-31957-43	SW-29 (2')	106	114
880-31957-44	SW-30 (0.5')	103	109
LCS 880-59982/2-A	Lab Control Sample	132 S1+	111
LCS 880-59983/2-A	Lab Control Sample	158 S1+	135 S1+
LCS 880-59984/2-A	Lab Control Sample	96	114
LCSD 880-59982/3-A	Lab Control Sample Dup	162 S1+	139 S1+
LCSD 880-59983/3-A	Lab Control Sample Dup	140 S1+	118
LCSD 880-59984/3-A	Lab Control Sample Dup	108	122
MB 880-59982/1-A	Method Blank	176 S1+	157 S1+
MB 880-59983/1-A	Method Blank	180 S1+	159 S1+
MB 880-59984/1-A	Method Blank	147 S1+	159 S1+

Surrogate Legend

1CO = 1-Chlorooctane
 OTPH = o-Terphenyl

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

QC Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-31957-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-59910/5-A

Matrix: Solid

Analysis Batch: 59922

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 59910

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		08/11/23 09:56	08/11/23 13:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/23 09:56	08/11/23 13:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/11/23 09:56	08/11/23 13:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/11/23 09:56	08/11/23 13:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/23 09:56	08/11/23 13:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/11/23 09:56	08/11/23 13:42	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	76		70 - 130	08/11/23 09:56	08/11/23 13:42	1
1,4-Difluorobenzene (Surr)	92		70 - 130	08/11/23 09:56	08/11/23 13:42	1

Lab Sample ID: MB 880-59927/5-A

Matrix: Solid

Analysis Batch: 59940

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 59927

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		08/11/23 10:59	08/11/23 16:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/23 10:59	08/11/23 16:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/11/23 10:59	08/11/23 16:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/11/23 10:59	08/11/23 16:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/23 10:59	08/11/23 16:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/11/23 10:59	08/11/23 16:30	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	73		70 - 130	08/11/23 10:59	08/11/23 16:30	1
1,4-Difluorobenzene (Surr)	78		70 - 130	08/11/23 10:59	08/11/23 16:30	1

Lab Sample ID: MB 880-59950/5-A

Matrix: Solid

Analysis Batch: 59976

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 59950

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:06	08/11/23 20:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:06	08/11/23 20:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:06	08/11/23 20:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/11/23 14:06	08/11/23 20:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:06	08/11/23 20:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/11/23 14:06	08/11/23 20:40	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	58	S1-	70 - 130	08/11/23 14:06	08/11/23 20:40	1
1,4-Difluorobenzene (Surr)	76		70 - 130	08/11/23 14:06	08/11/23 20:40	1

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QC Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-59950/1-A
 Matrix: Solid
 Analysis Batch: 59976

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 59950

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.0500	0.05511		mg/Kg		110	70 - 130
Toluene	0.0500	0.05570		mg/Kg		111	70 - 130
Ethylbenzene	0.0500	0.05859		mg/Kg		117	70 - 130
m-Xylene & p-Xylene	0.100	0.1193		mg/Kg		119	70 - 130
o-Xylene	0.0500	0.05854		mg/Kg		117	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	83		70 - 130

Lab Sample ID: LCSD 880-59950/2-A
 Matrix: Solid
 Analysis Batch: 59976

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 59950

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.0500	0.05372		mg/Kg		107	70 - 130	3	35
Toluene	0.0500	0.05563		mg/Kg		111	70 - 130	0	35
Ethylbenzene	0.0500	0.05846		mg/Kg		117	70 - 130	0	35
m-Xylene & p-Xylene	0.100	0.1185		mg/Kg		119	70 - 130	1	35
o-Xylene	0.0500	0.05798		mg/Kg		116	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	81		70 - 130

Lab Sample ID: 880-31957-1 MS
 Matrix: Solid
 Analysis Batch: 59976

Client Sample ID: CS-13 (4.25')
 Prep Type: Total/NA
 Prep Batch: 59950

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0497	0.04495		mg/Kg		88	70 - 130
Toluene	<0.00200	U	0.0497	0.04612		mg/Kg		91	70 - 130
Ethylbenzene	<0.00200	U	0.0497	0.04706		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.0994	0.09135		mg/Kg		90	70 - 130
o-Xylene	<0.00200	U	0.0497	0.04496		mg/Kg		89	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	88		70 - 130
1,4-Difluorobenzene (Surr)	77		70 - 130

Lab Sample ID: 880-31957-1 MSD
 Matrix: Solid
 Analysis Batch: 59976

Client Sample ID: CS-13 (4.25')
 Prep Type: Total/NA
 Prep Batch: 59950

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0495	0.04002		mg/Kg		79	70 - 130	12	35
Toluene	<0.00200	U	0.0495	0.04341		mg/Kg		86	70 - 130	6	35
Ethylbenzene	<0.00200	U	0.0495	0.04288		mg/Kg		85	70 - 130	9	35

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QC Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-31957-1 MSD

Client Sample ID: CS-13 (4.25')

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 59976

Prep Batch: 59950

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00399	U	0.0990	0.08193		mg/Kg		81	70 - 130	11	35
o-Xylene	<0.00200	U	0.0495	0.04114		mg/Kg		82	70 - 130	9	35
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	90		70 - 130								
1,4-Difluorobenzene (Surr)	81		70 - 130								

Lab Sample ID: MB 880-59951/5-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 59922

Prep Batch: 59951

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:09	08/12/23 00:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:09	08/12/23 00:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:09	08/12/23 00:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/11/23 14:09	08/12/23 00:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:09	08/12/23 00:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/11/23 14:09	08/12/23 00:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130				08/11/23 14:09	08/12/23 00:27	1
1,4-Difluorobenzene (Surr)	91		70 - 130				08/11/23 14:09	08/12/23 00:27	1

Lab Sample ID: LCS 880-59951/1-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 59922

Prep Batch: 59951

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09900		mg/Kg		99	70 - 130
Toluene	0.100	0.08445		mg/Kg		84	70 - 130
Ethylbenzene	0.100	0.06890	*-	mg/Kg		69	70 - 130
m-Xylene & p-Xylene	0.200	0.1406		mg/Kg		70	70 - 130
o-Xylene	0.100	0.07063		mg/Kg		71	70 - 130
Surrogate	%Recovery	Qualifier	Limits				
4-Bromofluorobenzene (Surr)	82		70 - 130				
1,4-Difluorobenzene (Surr)	104		70 - 130				

Lab Sample ID: LCSD 880-59951/2-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 59922

Prep Batch: 59951

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1040		mg/Kg		104	70 - 130	5	35
Toluene	0.100	0.08842		mg/Kg		88	70 - 130	5	35
Ethylbenzene	0.100	0.07202		mg/Kg		72	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.1464		mg/Kg		73	70 - 130	4	35
o-Xylene	0.100	0.07370		mg/Kg		74	70 - 130	4	35

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QC Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

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

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	83		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 880-31957-21 MS
 Matrix: Solid
 Analysis Batch: 59922

Client Sample ID: CS-93 (1.5')
 Prep Type: Total/NA
 Prep Batch: 59951

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier					
Benzene	<0.00199	U	0.0996	0.1034		mg/Kg		104		70 - 130
Toluene	<0.00199	U	0.0996	0.08818		mg/Kg		89		70 - 130
Ethylbenzene	<0.00199	U *-	0.0996	0.07018		mg/Kg		70		70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1433		mg/Kg		72		70 - 130
o-Xylene	<0.00199	U	0.0996	0.07161		mg/Kg		72		70 - 130

Surrogate	MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	82		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-31957-21 MSD
 Matrix: Solid
 Analysis Batch: 59922

Client Sample ID: CS-93 (1.5')
 Prep Type: Total/NA
 Prep Batch: 59951

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Benzene	<0.00199	U	0.101	0.1034		mg/Kg		103		70 - 130	0	35
Toluene	<0.00199	U	0.101	0.09481		mg/Kg		94		70 - 130	7	35
Ethylbenzene	<0.00199	U *-	0.101	0.07924		mg/Kg		79		70 - 130	12	35
m-Xylene & p-Xylene	<0.00398	U	0.201	0.1652		mg/Kg		82		70 - 130	14	35
o-Xylene	<0.00199	U	0.101	0.08259		mg/Kg		82		70 - 130	14	35

Surrogate	MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: MB 880-59953/5-A
 Matrix: Solid
 Analysis Batch: 59940

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 59953

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:48	08/12/23 03:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:48	08/12/23 03:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:48	08/12/23 03:09	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/11/23 14:48	08/12/23 03:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:48	08/12/23 03:09	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/11/23 14:48	08/12/23 03:09	1

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	70		70 - 130	08/11/23 14:48	08/12/23 03:09	1
1,4-Difluorobenzene (Surr)	100		70 - 130	08/11/23 14:48	08/12/23 03:09	1

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QC Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-59953/1-A
 Matrix: Solid
 Analysis Batch: 59940

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 59953

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09686		mg/Kg		97	70 - 130
Toluene	0.100	0.1015		mg/Kg		102	70 - 130
Ethylbenzene	0.100	0.1001		mg/Kg		100	70 - 130
m-Xylene & p-Xylene	0.200	0.2165		mg/Kg		108	70 - 130
o-Xylene	0.100	0.1070		mg/Kg		107	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	122		70 - 130

Lab Sample ID: LCSD 880-59953/2-A
 Matrix: Solid
 Analysis Batch: 59940

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 59953

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09754		mg/Kg		98	70 - 130	1	35
Toluene	0.100	0.09962		mg/Kg		100	70 - 130	2	35
Ethylbenzene	0.100	0.1004		mg/Kg		100	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.2178		mg/Kg		109	70 - 130	1	35
o-Xylene	0.100	0.1073		mg/Kg		107	70 - 130	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	122		70 - 130

Lab Sample ID: 880-31953-A-1-A MS
 Matrix: Solid
 Analysis Batch: 59940

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 59953

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00198	U	0.101	0.09900		mg/Kg		97	70 - 130
Toluene	<0.00198	U	0.101	0.1034		mg/Kg		103	70 - 130
Ethylbenzene	<0.00198	U	0.101	0.1003		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	<0.00397	U	0.202	0.2144		mg/Kg		106	70 - 130
o-Xylene	<0.00198	U	0.101	0.1041		mg/Kg		103	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	124		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: 880-31953-A-1-B MSD
 Matrix: Solid
 Analysis Batch: 59940

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 59953

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.100	0.08644		mg/Kg		85	70 - 130	14	35
Toluene	<0.00198	U	0.100	0.09035		mg/Kg		90	70 - 130	13	35
Ethylbenzene	<0.00198	U	0.100	0.09030		mg/Kg		90	70 - 130	10	35

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QC Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-31953-A-1-B MSD
 Matrix: Solid
 Analysis Batch: 59940

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 59953

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00397	U	0.200	0.1915		mg/Kg		96	70 - 130	11	35
o-Xylene	<0.00198	U	0.100	0.1012		mg/Kg		101	70 - 130	3	35
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	119		70 - 130								
1,4-Difluorobenzene (Surr)	119		70 - 130								

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

Lab Sample ID: MB 880-59982/1-A
 Matrix: Solid
 Analysis Batch: 59998

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 59982

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		08/11/23 16:36	08/12/23 08:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/11/23 16:36	08/12/23 08:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/11/23 16:36	08/12/23 08:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	176	S1+	70 - 130				08/11/23 16:36	08/12/23 08:29	1
o-Terphenyl	157	S1+	70 - 130				08/11/23 16:36	08/12/23 08:29	1

Lab Sample ID: LCS 880-59982/2-A
 Matrix: Solid
 Analysis Batch: 59998

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 59982

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	986.4		mg/Kg		99	70 - 130
Diesel Range Organics (Over C10-C28)	1000	913.3		mg/Kg		91	70 - 130
Surrogate	%Recovery	Qualifier	Limits				
1-Chlorooctane	132	S1+	70 - 130				
o-Terphenyl	111		70 - 130				

Lab Sample ID: LCSD 880-59982/3-A
 Matrix: Solid
 Analysis Batch: 59998

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 59982

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1095		mg/Kg		110	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	1000	1028		mg/Kg		103	70 - 130	12	20

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QC Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-59982/3-A
Matrix: Solid
Analysis Batch: 59998

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 59982

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	162	S1+	70 - 130
o-Terphenyl	139	S1+	70 - 130

Lab Sample ID: 880-31957-1 MS
Matrix: Solid
Analysis Batch: 59998

Client Sample ID: CS-13 (4.25')
Prep Type: Total/NA
Prep Batch: 59982

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits
	Result	Qualifier		Result	Qualifier					
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	1010	1209		mg/Kg		117		70 - 130
Diesel Range Organics (Over C10-C28)	<50.1	U	1010	1036		mg/Kg		101		70 - 130

Surrogate	MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	112		70 - 130
o-Terphenyl	83		70 - 130

Lab Sample ID: 880-31957-1 MSD
Matrix: Solid
Analysis Batch: 59998

Client Sample ID: CS-13 (4.25')
Prep Type: Total/NA
Prep Batch: 59982

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	Limits	RPD	RPD	Limit
	Result	Qualifier		Result	Qualifier								
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	1010	1214		mg/Kg		118		70 - 130	0	20	
Diesel Range Organics (Over C10-C28)	<50.1	U	1010	1033		mg/Kg		101		70 - 130	0	20	

Surrogate	MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	113		70 - 130
o-Terphenyl	83		70 - 130

Lab Sample ID: MB 880-59983/1-A
Matrix: Solid
Analysis Batch: 59998

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 59983

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		08/11/23 16:40	08/12/23 19:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/11/23 16:40	08/12/23 19:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/11/23 16:40	08/12/23 19:57	1

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	180	S1+	70 - 130	08/11/23 16:40	08/12/23 19:57	1
o-Terphenyl	159	S1+	70 - 130	08/11/23 16:40	08/12/23 19:57	1

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QC Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-59983/2-A
Matrix: Solid
Analysis Batch: 59998

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 59983

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics (GRO)-C6-C10	1000	968.9		mg/Kg		97	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	1081		mg/Kg		108	70 - 130	
		LCS	LCS					
Surrogate	%Recovery	Qualifier	Limits					
1-Chlorooctane	158	S1+	70 - 130					
o-Terphenyl	135	S1+	70 - 130					

Lab Sample ID: LCSD 880-59983/3-A
Matrix: Solid
Analysis Batch: 59998

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 59983

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	874.4		mg/Kg		87	70 - 130	10	20	
Diesel Range Organics (Over C10-C28)	1000	859.4	*1	mg/Kg		86	70 - 130	23	20	
		LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	140	S1+	70 - 130							
o-Terphenyl	118		70 - 130							

Lab Sample ID: 880-31957-21 MS
Matrix: Solid
Analysis Batch: 59998

Client Sample ID: CS-93 (1.5')
Prep Type: Total/NA
Prep Batch: 59983

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	999	862.2		mg/Kg		83	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.5	U *1	999	1032		mg/Kg		102	70 - 130	
		MS	MS							
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	124		70 - 130							
o-Terphenyl	94		70 - 130							

Lab Sample ID: 880-31957-21 MSD
Matrix: Solid
Analysis Batch: 59998

Client Sample ID: CS-93 (1.5')
Prep Type: Total/NA
Prep Batch: 59983

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	999	841.6		mg/Kg		81	70 - 130	2	20	
Diesel Range Organics (Over C10-C28)	<50.5	U *1	999	1028		mg/Kg		101	70 - 130	0	20	
		MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	123		70 - 130									

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QC Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-31957-21 MSD
Matrix: Solid
Analysis Batch: 59998

Client Sample ID: CS-93 (1.5')
Prep Type: Total/NA
Prep Batch: 59983

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

Lab Sample ID: MB 880-59984/1-A
Matrix: Solid
Analysis Batch: 59999

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 59984

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		08/11/23 16:43	08/12/23 08:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/11/23 16:43	08/12/23 08:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/11/23 16:43	08/12/23 08:29	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
<i>1</i> -Chlorooctane	147	S1+	70 - 130	08/11/23 16:43	08/12/23 08:29	1
<i>o</i> -Terphenyl	159	S1+	70 - 130	08/11/23 16:43	08/12/23 08:29	1

Lab Sample ID: LCS 880-59984/2-A
Matrix: Solid
Analysis Batch: 59999

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 59984

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	1000	838.0		mg/Kg		84	70 - 130
Diesel Range Organics (Over C10-C28)	1000	816.2		mg/Kg		82	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
<i>1</i> -Chlorooctane	96		70 - 130
<i>o</i> -Terphenyl	114		70 - 130

Lab Sample ID: LCSD 880-59984/3-A
Matrix: Solid
Analysis Batch: 59999

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 59984

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec Limits	RPD	Limit
		Result	Qualifier						
Gasoline Range Organics (GRO)-C6-C10	1000	853.3		mg/Kg		85	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	888.3		mg/Kg		89	70 - 130	8	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
<i>1</i> -Chlorooctane	108		70 - 130
<i>o</i> -Terphenyl	122		70 - 130

QC Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-31957-41 MS
 Matrix: Solid
 Analysis Batch: 59999

Client Sample ID: SW-23 (1.5')
 Prep Type: Total/NA
 Prep Batch: 59984

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier					
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	993	824.2		mg/Kg		80		70 - 130
Diesel Range Organics (Over C10-C28)	64.3		993	757.1		mg/Kg		70		70 - 130
Surrogate	MS	MS								
	%Recovery	Qualifier	Limits							
1-Chlorooctane	100		70 - 130							
o-Terphenyl	97		70 - 130							

Lab Sample ID: 880-31957-41 MSD
 Matrix: Solid
 Analysis Batch: 59999

Client Sample ID: SW-23 (1.5')
 Prep Type: Total/NA
 Prep Batch: 59984

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	993	815.6		mg/Kg		79		70 - 130	1	20
Diesel Range Organics (Over C10-C28)	64.3		993	759.9		mg/Kg		70		70 - 130	0	20
Surrogate	MSD	MSD										
	%Recovery	Qualifier	Limits									
1-Chlorooctane	98		70 - 130									
o-Terphenyl	97		70 - 130									

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-59941/1-A
 Matrix: Solid
 Analysis Batch: 60019

Client Sample ID: Method Blank
 Prep Type: Soluble

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloride	<5.00	U	5.00		mg/Kg			08/11/23 17:42	1

Lab Sample ID: LCS 880-59941/2-A
 Matrix: Solid
 Analysis Batch: 60019

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec	Limits
Chloride	250	252.9		mg/Kg		101		90 - 110

Lab Sample ID: LCSD 880-59941/3-A
 Matrix: Solid
 Analysis Batch: 60019

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

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	Limits	RPD	Limit
Chloride	250	247.5		mg/Kg		99		90 - 110	2	20

QC Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-31957-1 MS
Matrix: Solid
Analysis Batch: 60019

Client Sample ID: CS-13 (4.25')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	72.5		249	329.3		mg/Kg		103	90 - 110

Lab Sample ID: 880-31957-1 MSD
Matrix: Solid
Analysis Batch: 60019

Client Sample ID: CS-13 (4.25')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	72.5		249	323.6		mg/Kg		101	90 - 110	2	20

Lab Sample ID: 880-31957-11 MS
Matrix: Solid
Analysis Batch: 60019

Client Sample ID: CS-47 (2')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	390	F1	249	595.0	F1	mg/Kg		82	90 - 110

Lab Sample ID: 880-31957-11 MSD
Matrix: Solid
Analysis Batch: 60019

Client Sample ID: CS-47 (2')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	390	F1	249	596.0	F1	mg/Kg		83	90 - 110	0	20

Lab Sample ID: MB 880-59942/1-A
Matrix: Solid
Analysis Batch: 60024

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			08/12/23 01:16	1

Lab Sample ID: LCS 880-59942/2-A
Matrix: Solid
Analysis Batch: 60024

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	268.9		mg/Kg		108	90 - 110

Lab Sample ID: LCSD 880-59942/3-A
Matrix: Solid
Analysis Batch: 60024

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	269.0		mg/Kg		108	90 - 110	0	20

Lab Sample ID: 880-31957-21 MS
Matrix: Solid
Analysis Batch: 60024

Client Sample ID: CS-93 (1.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	371	F1	249	651.5	F1	mg/Kg		113	90 - 110

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QC Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-31957-21 MSD
 Matrix: Solid
 Analysis Batch: 60024

Client Sample ID: CS-93 (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	371	F1	249	651.2	F1	mg/Kg		112	90 - 110	0	20

Lab Sample ID: 880-31957-31 MS
 Matrix: Solid
 Analysis Batch: 60024

Client Sample ID: SW-5 (4')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	76.3		249	346.7		mg/Kg		109	90 - 110

Lab Sample ID: 880-31957-31 MSD
 Matrix: Solid
 Analysis Batch: 60024

Client Sample ID: SW-5 (4')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	76.3		249	346.2		mg/Kg		108	90 - 110	0	20

Lab Sample ID: MB 880-59960/1-A
 Matrix: Solid
 Analysis Batch: 60025

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			08/12/23 07:19	1

Lab Sample ID: LCS 880-59960/2-A
 Matrix: Solid
 Analysis Batch: 60025

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	271.8		mg/Kg		109	90 - 110

Lab Sample ID: LCSD 880-59960/3-A
 Matrix: Solid
 Analysis Batch: 60025

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	272.6		mg/Kg		109	90 - 110	0	20

Lab Sample ID: 880-31957-41 MS
 Matrix: Solid
 Analysis Batch: 60025

Client Sample ID: SW-23 (1.5')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	327		253	583.4		mg/Kg		101	90 - 110

Lab Sample ID: 880-31957-41 MSD
 Matrix: Solid
 Analysis Batch: 60025

Client Sample ID: SW-23 (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	327		253	583.9		mg/Kg		102	90 - 110	0	20

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QC Association Summary

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

GC VOA

Prep Batch: 59910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-59910/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 59922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31957-21	CS-93 (1.5')	Total/NA	Solid	8021B	59951
880-31957-22	CS-94 (1.5')	Total/NA	Solid	8021B	59951
880-31957-23	CS-95 (1.5')	Total/NA	Solid	8021B	59951
880-31957-24	CS-96 (1.5')	Total/NA	Solid	8021B	59951
880-31957-25	CS-97 (1.5')	Total/NA	Solid	8021B	59951
880-31957-26	CS-98 (1.5')	Total/NA	Solid	8021B	59951
880-31957-27	CS-99 (1.5')	Total/NA	Solid	8021B	59951
880-31957-28	CS-100 (1.5')	Total/NA	Solid	8021B	59951
880-31957-29	CS-101 (1.5')	Total/NA	Solid	8021B	59951
880-31957-30	CS-102 (1.5')	Total/NA	Solid	8021B	59951
880-31957-31	SW-5 (4')	Total/NA	Solid	8021B	59951
880-31957-32	SW-6 (4')	Total/NA	Solid	8021B	59951
880-31957-33	SW-14 (3')	Total/NA	Solid	8021B	59951
880-31957-34	SW-16 (2')	Total/NA	Solid	8021B	59951
880-31957-35	SW-17 (2')	Total/NA	Solid	8021B	59951
880-31957-36	SW-18 (2')	Total/NA	Solid	8021B	59951
880-31957-37	SW-19 (2')	Total/NA	Solid	8021B	59951
880-31957-38	SW-20 (2')	Total/NA	Solid	8021B	59951
880-31957-39	SW-21 (2')	Total/NA	Solid	8021B	59951
880-31957-40	SW-22 (1.5')	Total/NA	Solid	8021B	59951
MB 880-59910/5-A	Method Blank	Total/NA	Solid	8021B	59910
MB 880-59951/5-A	Method Blank	Total/NA	Solid	8021B	59951
LCS 880-59951/1-A	Lab Control Sample	Total/NA	Solid	8021B	59951
LCSD 880-59951/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	59951
880-31957-21 MS	CS-93 (1.5')	Total/NA	Solid	8021B	59951
880-31957-21 MSD	CS-93 (1.5')	Total/NA	Solid	8021B	59951

Prep Batch: 59927

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-59927/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 59940

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31957-41	SW-23 (1.5')	Total/NA	Solid	8021B	59953
880-31957-42	SW-24 (1.5')	Total/NA	Solid	8021B	59953
880-31957-43	SW-29 (2')	Total/NA	Solid	8021B	59953
880-31957-44	SW-30 (0.5')	Total/NA	Solid	8021B	59953
MB 880-59927/5-A	Method Blank	Total/NA	Solid	8021B	59927
MB 880-59953/5-A	Method Blank	Total/NA	Solid	8021B	59953
LCS 880-59953/1-A	Lab Control Sample	Total/NA	Solid	8021B	59953
LCSD 880-59953/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	59953
880-31953-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	59953
880-31953-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	59953

Prep Batch: 59950

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31957-1	CS-13 (4.25')	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

GC VOA (Continued)

Prep Batch: 59950 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31957-2	CS-14 (3.25')	Total/NA	Solid	5035	
880-31957-3	CS-29 (2')	Total/NA	Solid	5035	
880-31957-4	CS-31 (2')	Total/NA	Solid	5035	
880-31957-5	CS-32 (2')	Total/NA	Solid	5035	
880-31957-6	CS-33 (2')	Total/NA	Solid	5035	
880-31957-7	CS-34 (2')	Total/NA	Solid	5035	
880-31957-8	CS-35 (2')	Total/NA	Solid	5035	
880-31957-9	CS-36 (2')	Total/NA	Solid	5035	
880-31957-10	CS-46 (2')	Total/NA	Solid	5035	
880-31957-11	CS-47 (2')	Total/NA	Solid	5035	
880-31957-12	CS-60 (2')	Total/NA	Solid	5035	
880-31957-13	CS-61 (2')	Total/NA	Solid	5035	
880-31957-14	CS-63 (2')	Total/NA	Solid	5035	
880-31957-15	CS-64 (2')	Total/NA	Solid	5035	
880-31957-16	CS-65 (2')	Total/NA	Solid	5035	
880-31957-17	CS-67 (2')	Total/NA	Solid	5035	
880-31957-18	CS-68 (2')	Total/NA	Solid	5035	
880-31957-19	CS-69 (2')	Total/NA	Solid	5035	
880-31957-20	CS-92 (1.5')	Total/NA	Solid	5035	
MB 880-59950/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-59950/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-59950/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-31957-1 MS	CS-13 (4.25')	Total/NA	Solid	5035	
880-31957-1 MSD	CS-13 (4.25')	Total/NA	Solid	5035	

Prep Batch: 59951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31957-21	CS-93 (1.5')	Total/NA	Solid	5035	
880-31957-22	CS-94 (1.5')	Total/NA	Solid	5035	
880-31957-23	CS-95 (1.5')	Total/NA	Solid	5035	
880-31957-24	CS-96 (1.5')	Total/NA	Solid	5035	
880-31957-25	CS-97 (1.5')	Total/NA	Solid	5035	
880-31957-26	CS-98 (1.5')	Total/NA	Solid	5035	
880-31957-27	CS-99 (1.5')	Total/NA	Solid	5035	
880-31957-28	CS-100 (1.5')	Total/NA	Solid	5035	
880-31957-29	CS-101 (1.5')	Total/NA	Solid	5035	
880-31957-30	CS-102 (1.5')	Total/NA	Solid	5035	
880-31957-31	SW-5 (4')	Total/NA	Solid	5035	
880-31957-32	SW-6 (4')	Total/NA	Solid	5035	
880-31957-33	SW-14 (3')	Total/NA	Solid	5035	
880-31957-34	SW-16 (2')	Total/NA	Solid	5035	
880-31957-35	SW-17 (2')	Total/NA	Solid	5035	
880-31957-36	SW-18 (2')	Total/NA	Solid	5035	
880-31957-37	SW-19 (2')	Total/NA	Solid	5035	
880-31957-38	SW-20 (2')	Total/NA	Solid	5035	
880-31957-39	SW-21 (2')	Total/NA	Solid	5035	
880-31957-40	SW-22 (1.5')	Total/NA	Solid	5035	
MB 880-59951/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-59951/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-59951/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-31957-21 MS	CS-93 (1.5')	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

GC VOA (Continued)

Prep Batch: 59951 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31957-21 MSD	CS-93 (1.5')	Total/NA	Solid	5035	

Prep Batch: 59953

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31957-41	SW-23 (1.5')	Total/NA	Solid	5035	
880-31957-42	SW-24 (1.5')	Total/NA	Solid	5035	
880-31957-43	SW-29 (2')	Total/NA	Solid	5035	
880-31957-44	SW-30 (0.5')	Total/NA	Solid	5035	
MB 880-59953/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-59953/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-59953/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-31953-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-31953-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 59976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31957-1	CS-13 (4.25')	Total/NA	Solid	8021B	59950
880-31957-2	CS-14 (3.25')	Total/NA	Solid	8021B	59950
880-31957-3	CS-29 (2')	Total/NA	Solid	8021B	59950
880-31957-4	CS-31 (2')	Total/NA	Solid	8021B	59950
880-31957-5	CS-32 (2')	Total/NA	Solid	8021B	59950
880-31957-6	CS-33 (2')	Total/NA	Solid	8021B	59950
880-31957-7	CS-34 (2')	Total/NA	Solid	8021B	59950
880-31957-8	CS-35 (2')	Total/NA	Solid	8021B	59950
880-31957-9	CS-36 (2')	Total/NA	Solid	8021B	59950
880-31957-10	CS-46 (2')	Total/NA	Solid	8021B	59950
880-31957-11	CS-47 (2')	Total/NA	Solid	8021B	59950
880-31957-12	CS-60 (2')	Total/NA	Solid	8021B	59950
880-31957-13	CS-61 (2')	Total/NA	Solid	8021B	59950
880-31957-14	CS-63 (2')	Total/NA	Solid	8021B	59950
880-31957-15	CS-64 (2')	Total/NA	Solid	8021B	59950
880-31957-16	CS-65 (2')	Total/NA	Solid	8021B	59950
880-31957-17	CS-67 (2')	Total/NA	Solid	8021B	59950
880-31957-18	CS-68 (2')	Total/NA	Solid	8021B	59950
880-31957-19	CS-69 (2')	Total/NA	Solid	8021B	59950
880-31957-20	CS-92 (1.5')	Total/NA	Solid	8021B	59950
MB 880-59950/5-A	Method Blank	Total/NA	Solid	8021B	59950
LCS 880-59950/1-A	Lab Control Sample	Total/NA	Solid	8021B	59950
LCSD 880-59950/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	59950
880-31957-1 MS	CS-13 (4.25')	Total/NA	Solid	8021B	59950
880-31957-1 MSD	CS-13 (4.25')	Total/NA	Solid	8021B	59950

Analysis Batch: 60101

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31957-1	CS-13 (4.25')	Total/NA	Solid	Total BTEX	
880-31957-2	CS-14 (3.25')	Total/NA	Solid	Total BTEX	
880-31957-3	CS-29 (2')	Total/NA	Solid	Total BTEX	
880-31957-4	CS-31 (2')	Total/NA	Solid	Total BTEX	
880-31957-5	CS-32 (2')	Total/NA	Solid	Total BTEX	
880-31957-6	CS-33 (2')	Total/NA	Solid	Total BTEX	
880-31957-7	CS-34 (2')	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

GC VOA (Continued)

Analysis Batch: 60101 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31957-8	CS-35 (2')	Total/NA	Solid	Total BTEX	
880-31957-9	CS-36 (2')	Total/NA	Solid	Total BTEX	
880-31957-10	CS-46 (2')	Total/NA	Solid	Total BTEX	
880-31957-11	CS-47 (2')	Total/NA	Solid	Total BTEX	
880-31957-12	CS-60 (2')	Total/NA	Solid	Total BTEX	
880-31957-13	CS-61 (2')	Total/NA	Solid	Total BTEX	
880-31957-14	CS-63 (2')	Total/NA	Solid	Total BTEX	
880-31957-15	CS-64 (2')	Total/NA	Solid	Total BTEX	
880-31957-16	CS-65 (2')	Total/NA	Solid	Total BTEX	
880-31957-17	CS-67 (2')	Total/NA	Solid	Total BTEX	
880-31957-18	CS-68 (2')	Total/NA	Solid	Total BTEX	
880-31957-19	CS-69 (2')	Total/NA	Solid	Total BTEX	
880-31957-20	CS-92 (1.5')	Total/NA	Solid	Total BTEX	
880-31957-21	CS-93 (1.5')	Total/NA	Solid	Total BTEX	
880-31957-22	CS-94 (1.5')	Total/NA	Solid	Total BTEX	
880-31957-23	CS-95 (1.5')	Total/NA	Solid	Total BTEX	
880-31957-24	CS-96 (1.5')	Total/NA	Solid	Total BTEX	
880-31957-25	CS-97 (1.5')	Total/NA	Solid	Total BTEX	
880-31957-26	CS-98 (1.5')	Total/NA	Solid	Total BTEX	
880-31957-27	CS-99 (1.5')	Total/NA	Solid	Total BTEX	
880-31957-28	CS-100 (1.5')	Total/NA	Solid	Total BTEX	
880-31957-29	CS-101 (1.5')	Total/NA	Solid	Total BTEX	
880-31957-30	CS-102 (1.5')	Total/NA	Solid	Total BTEX	
880-31957-31	SW-5 (4')	Total/NA	Solid	Total BTEX	
880-31957-32	SW-6 (4')	Total/NA	Solid	Total BTEX	
880-31957-33	SW-14 (3')	Total/NA	Solid	Total BTEX	
880-31957-34	SW-16 (2')	Total/NA	Solid	Total BTEX	
880-31957-35	SW-17 (2')	Total/NA	Solid	Total BTEX	
880-31957-36	SW-18 (2')	Total/NA	Solid	Total BTEX	
880-31957-37	SW-19 (2')	Total/NA	Solid	Total BTEX	
880-31957-38	SW-20 (2')	Total/NA	Solid	Total BTEX	
880-31957-39	SW-21 (2')	Total/NA	Solid	Total BTEX	
880-31957-40	SW-22 (1.5')	Total/NA	Solid	Total BTEX	
880-31957-41	SW-23 (1.5')	Total/NA	Solid	Total BTEX	
880-31957-42	SW-24 (1.5')	Total/NA	Solid	Total BTEX	
880-31957-43	SW-29 (2')	Total/NA	Solid	Total BTEX	
880-31957-44	SW-30 (0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 59982

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31957-1	CS-13 (4.25')	Total/NA	Solid	8015NM Prep	
880-31957-2	CS-14 (3.25')	Total/NA	Solid	8015NM Prep	
880-31957-3	CS-29 (2')	Total/NA	Solid	8015NM Prep	
880-31957-4	CS-31 (2')	Total/NA	Solid	8015NM Prep	
880-31957-5	CS-32 (2')	Total/NA	Solid	8015NM Prep	
880-31957-6	CS-33 (2')	Total/NA	Solid	8015NM Prep	
880-31957-7	CS-34 (2')	Total/NA	Solid	8015NM Prep	
880-31957-8	CS-35 (2')	Total/NA	Solid	8015NM Prep	
880-31957-9	CS-36 (2')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 59982 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31957-10	CS-46 (2')	Total/NA	Solid	8015NM Prep	
880-31957-11	CS-47 (2')	Total/NA	Solid	8015NM Prep	
880-31957-12	CS-60 (2')	Total/NA	Solid	8015NM Prep	
880-31957-13	CS-61 (2')	Total/NA	Solid	8015NM Prep	
880-31957-14	CS-63 (2')	Total/NA	Solid	8015NM Prep	
880-31957-15	CS-64 (2')	Total/NA	Solid	8015NM Prep	
880-31957-16	CS-65 (2')	Total/NA	Solid	8015NM Prep	
880-31957-17	CS-67 (2')	Total/NA	Solid	8015NM Prep	
880-31957-18	CS-68 (2')	Total/NA	Solid	8015NM Prep	
880-31957-19	CS-69 (2')	Total/NA	Solid	8015NM Prep	
880-31957-20	CS-92 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-59982/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-59982/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-59982/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-31957-1 MS	CS-13 (4.25')	Total/NA	Solid	8015NM Prep	
880-31957-1 MSD	CS-13 (4.25')	Total/NA	Solid	8015NM Prep	

Prep Batch: 59983

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31957-21	CS-93 (1.5')	Total/NA	Solid	8015NM Prep	
880-31957-22	CS-94 (1.5')	Total/NA	Solid	8015NM Prep	
880-31957-23	CS-95 (1.5')	Total/NA	Solid	8015NM Prep	
880-31957-24	CS-96 (1.5')	Total/NA	Solid	8015NM Prep	
880-31957-25	CS-97 (1.5')	Total/NA	Solid	8015NM Prep	
880-31957-26	CS-98 (1.5')	Total/NA	Solid	8015NM Prep	
880-31957-27	CS-99 (1.5')	Total/NA	Solid	8015NM Prep	
880-31957-28	CS-100 (1.5')	Total/NA	Solid	8015NM Prep	
880-31957-29	CS-101 (1.5')	Total/NA	Solid	8015NM Prep	
880-31957-30	CS-102 (1.5')	Total/NA	Solid	8015NM Prep	
880-31957-31	SW-5 (4')	Total/NA	Solid	8015NM Prep	
880-31957-32	SW-6 (4')	Total/NA	Solid	8015NM Prep	
880-31957-33	SW-14 (3')	Total/NA	Solid	8015NM Prep	
880-31957-34	SW-16 (2')	Total/NA	Solid	8015NM Prep	
880-31957-35	SW-17 (2')	Total/NA	Solid	8015NM Prep	
880-31957-36	SW-18 (2')	Total/NA	Solid	8015NM Prep	
880-31957-37	SW-19 (2')	Total/NA	Solid	8015NM Prep	
880-31957-38	SW-20 (2')	Total/NA	Solid	8015NM Prep	
880-31957-39	SW-21 (2')	Total/NA	Solid	8015NM Prep	
880-31957-40	SW-22 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-59983/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-59983/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-59983/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-31957-21 MS	CS-93 (1.5')	Total/NA	Solid	8015NM Prep	
880-31957-21 MSD	CS-93 (1.5')	Total/NA	Solid	8015NM Prep	

Prep Batch: 59984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31957-41	SW-23 (1.5')	Total/NA	Solid	8015NM Prep	
880-31957-42	SW-24 (1.5')	Total/NA	Solid	8015NM Prep	
880-31957-43	SW-29 (2')	Total/NA	Solid	8015NM Prep	
880-31957-44	SW-30 (0.5')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 59984 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-59984/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-59984/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-59984/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-31957-41 MS	SW-23 (1.5')	Total/NA	Solid	8015NM Prep	
880-31957-41 MSD	SW-23 (1.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 59998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31957-1	CS-13 (4.25')	Total/NA	Solid	8015B NM	59982
880-31957-2	CS-14 (3.25')	Total/NA	Solid	8015B NM	59982
880-31957-3	CS-29 (2')	Total/NA	Solid	8015B NM	59982
880-31957-4	CS-31 (2')	Total/NA	Solid	8015B NM	59982
880-31957-5	CS-32 (2')	Total/NA	Solid	8015B NM	59982
880-31957-6	CS-33 (2')	Total/NA	Solid	8015B NM	59982
880-31957-7	CS-34 (2')	Total/NA	Solid	8015B NM	59982
880-31957-8	CS-35 (2')	Total/NA	Solid	8015B NM	59982
880-31957-9	CS-36 (2')	Total/NA	Solid	8015B NM	59982
880-31957-10	CS-46 (2')	Total/NA	Solid	8015B NM	59982
880-31957-11	CS-47 (2')	Total/NA	Solid	8015B NM	59982
880-31957-12	CS-60 (2')	Total/NA	Solid	8015B NM	59982
880-31957-13	CS-61 (2')	Total/NA	Solid	8015B NM	59982
880-31957-14	CS-63 (2')	Total/NA	Solid	8015B NM	59982
880-31957-15	CS-64 (2')	Total/NA	Solid	8015B NM	59982
880-31957-16	CS-65 (2')	Total/NA	Solid	8015B NM	59982
880-31957-17	CS-67 (2')	Total/NA	Solid	8015B NM	59982
880-31957-18	CS-68 (2')	Total/NA	Solid	8015B NM	59982
880-31957-19	CS-69 (2')	Total/NA	Solid	8015B NM	59982
880-31957-20	CS-92 (1.5')	Total/NA	Solid	8015B NM	59982
880-31957-21	CS-93 (1.5')	Total/NA	Solid	8015B NM	59983
880-31957-22	CS-94 (1.5')	Total/NA	Solid	8015B NM	59983
880-31957-23	CS-95 (1.5')	Total/NA	Solid	8015B NM	59983
880-31957-24	CS-96 (1.5')	Total/NA	Solid	8015B NM	59983
880-31957-25	CS-97 (1.5')	Total/NA	Solid	8015B NM	59983
880-31957-26	CS-98 (1.5')	Total/NA	Solid	8015B NM	59983
880-31957-27	CS-99 (1.5')	Total/NA	Solid	8015B NM	59983
880-31957-28	CS-100 (1.5')	Total/NA	Solid	8015B NM	59983
880-31957-29	CS-101 (1.5')	Total/NA	Solid	8015B NM	59983
880-31957-30	CS-102 (1.5')	Total/NA	Solid	8015B NM	59983
880-31957-31	SW-5 (4')	Total/NA	Solid	8015B NM	59983
880-31957-32	SW-6 (4')	Total/NA	Solid	8015B NM	59983
880-31957-33	SW-14 (3')	Total/NA	Solid	8015B NM	59983
880-31957-34	SW-16 (2')	Total/NA	Solid	8015B NM	59983
880-31957-35	SW-17 (2')	Total/NA	Solid	8015B NM	59983
880-31957-36	SW-18 (2')	Total/NA	Solid	8015B NM	59983
880-31957-37	SW-19 (2')	Total/NA	Solid	8015B NM	59983
880-31957-38	SW-20 (2')	Total/NA	Solid	8015B NM	59983
880-31957-39	SW-21 (2')	Total/NA	Solid	8015B NM	59983
880-31957-40	SW-22 (1.5')	Total/NA	Solid	8015B NM	59983
MB 880-59982/1-A	Method Blank	Total/NA	Solid	8015B NM	59982
MB 880-59983/1-A	Method Blank	Total/NA	Solid	8015B NM	59983
LCS 880-59982/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	59982

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 59998 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-59983/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	59983
LCSD 880-59982/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	59982
LCSD 880-59983/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	59983
880-31957-1 MS	CS-13 (4.25')	Total/NA	Solid	8015B NM	59982
880-31957-1 MSD	CS-13 (4.25')	Total/NA	Solid	8015B NM	59982
880-31957-21 MS	CS-93 (1.5')	Total/NA	Solid	8015B NM	59983
880-31957-21 MSD	CS-93 (1.5')	Total/NA	Solid	8015B NM	59983

Analysis Batch: 59999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31957-41	SW-23 (1.5')	Total/NA	Solid	8015B NM	59984
880-31957-42	SW-24 (1.5')	Total/NA	Solid	8015B NM	59984
880-31957-43	SW-29 (2')	Total/NA	Solid	8015B NM	59984
880-31957-44	SW-30 (0.5')	Total/NA	Solid	8015B NM	59984
MB 880-59984/1-A	Method Blank	Total/NA	Solid	8015B NM	59984
LCS 880-59984/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	59984
LCSD 880-59984/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	59984
880-31957-41 MS	SW-23 (1.5')	Total/NA	Solid	8015B NM	59984
880-31957-41 MSD	SW-23 (1.5')	Total/NA	Solid	8015B NM	59984

Analysis Batch: 60205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31957-1	CS-13 (4.25')	Total/NA	Solid	8015 NM	
880-31957-2	CS-14 (3.25')	Total/NA	Solid	8015 NM	
880-31957-3	CS-29 (2')	Total/NA	Solid	8015 NM	
880-31957-4	CS-31 (2')	Total/NA	Solid	8015 NM	
880-31957-5	CS-32 (2')	Total/NA	Solid	8015 NM	
880-31957-6	CS-33 (2')	Total/NA	Solid	8015 NM	
880-31957-7	CS-34 (2')	Total/NA	Solid	8015 NM	
880-31957-8	CS-35 (2')	Total/NA	Solid	8015 NM	
880-31957-9	CS-36 (2')	Total/NA	Solid	8015 NM	
880-31957-10	CS-46 (2')	Total/NA	Solid	8015 NM	
880-31957-11	CS-47 (2')	Total/NA	Solid	8015 NM	
880-31957-12	CS-60 (2')	Total/NA	Solid	8015 NM	
880-31957-13	CS-61 (2')	Total/NA	Solid	8015 NM	
880-31957-14	CS-63 (2')	Total/NA	Solid	8015 NM	
880-31957-15	CS-64 (2')	Total/NA	Solid	8015 NM	
880-31957-16	CS-65 (2')	Total/NA	Solid	8015 NM	
880-31957-17	CS-67 (2')	Total/NA	Solid	8015 NM	
880-31957-18	CS-68 (2')	Total/NA	Solid	8015 NM	
880-31957-19	CS-69 (2')	Total/NA	Solid	8015 NM	
880-31957-20	CS-92 (1.5')	Total/NA	Solid	8015 NM	
880-31957-21	CS-93 (1.5')	Total/NA	Solid	8015 NM	
880-31957-22	CS-94 (1.5')	Total/NA	Solid	8015 NM	
880-31957-23	CS-95 (1.5')	Total/NA	Solid	8015 NM	
880-31957-24	CS-96 (1.5')	Total/NA	Solid	8015 NM	
880-31957-25	CS-97 (1.5')	Total/NA	Solid	8015 NM	
880-31957-26	CS-98 (1.5')	Total/NA	Solid	8015 NM	
880-31957-27	CS-99 (1.5')	Total/NA	Solid	8015 NM	
880-31957-28	CS-100 (1.5')	Total/NA	Solid	8015 NM	
880-31957-29	CS-101 (1.5')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 60205 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31957-30	CS-102 (1.5')	Total/NA	Solid	8015 NM	
880-31957-31	SW-5 (4')	Total/NA	Solid	8015 NM	
880-31957-32	SW-6 (4')	Total/NA	Solid	8015 NM	
880-31957-33	SW-14 (3')	Total/NA	Solid	8015 NM	
880-31957-34	SW-16 (2')	Total/NA	Solid	8015 NM	
880-31957-35	SW-17 (2')	Total/NA	Solid	8015 NM	
880-31957-36	SW-18 (2')	Total/NA	Solid	8015 NM	
880-31957-37	SW-19 (2')	Total/NA	Solid	8015 NM	
880-31957-38	SW-20 (2')	Total/NA	Solid	8015 NM	
880-31957-39	SW-21 (2')	Total/NA	Solid	8015 NM	
880-31957-40	SW-22 (1.5')	Total/NA	Solid	8015 NM	
880-31957-41	SW-23 (1.5')	Total/NA	Solid	8015 NM	
880-31957-42	SW-24 (1.5')	Total/NA	Solid	8015 NM	
880-31957-43	SW-29 (2')	Total/NA	Solid	8015 NM	
880-31957-44	SW-30 (0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 59941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31957-1	CS-13 (4.25')	Soluble	Solid	DI Leach	
880-31957-2	CS-14 (3.25')	Soluble	Solid	DI Leach	
880-31957-3	CS-29 (2')	Soluble	Solid	DI Leach	
880-31957-4	CS-31 (2')	Soluble	Solid	DI Leach	
880-31957-5	CS-32 (2')	Soluble	Solid	DI Leach	
880-31957-6	CS-33 (2')	Soluble	Solid	DI Leach	
880-31957-7	CS-34 (2')	Soluble	Solid	DI Leach	
880-31957-8	CS-35 (2')	Soluble	Solid	DI Leach	
880-31957-9	CS-36 (2')	Soluble	Solid	DI Leach	
880-31957-10	CS-46 (2')	Soluble	Solid	DI Leach	
880-31957-11	CS-47 (2')	Soluble	Solid	DI Leach	
880-31957-12	CS-60 (2')	Soluble	Solid	DI Leach	
880-31957-13	CS-61 (2')	Soluble	Solid	DI Leach	
880-31957-14	CS-63 (2')	Soluble	Solid	DI Leach	
880-31957-15	CS-64 (2')	Soluble	Solid	DI Leach	
880-31957-16	CS-65 (2')	Soluble	Solid	DI Leach	
880-31957-17	CS-67 (2')	Soluble	Solid	DI Leach	
880-31957-18	CS-68 (2')	Soluble	Solid	DI Leach	
880-31957-19	CS-69 (2')	Soluble	Solid	DI Leach	
880-31957-20	CS-92 (1.5')	Soluble	Solid	DI Leach	
MB 880-59941/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-59941/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-59941/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-31957-1 MS	CS-13 (4.25')	Soluble	Solid	DI Leach	
880-31957-1 MSD	CS-13 (4.25')	Soluble	Solid	DI Leach	
880-31957-11 MS	CS-47 (2')	Soluble	Solid	DI Leach	
880-31957-11 MSD	CS-47 (2')	Soluble	Solid	DI Leach	

Leach Batch: 59942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31957-21	CS-93 (1.5')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-31957-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Leach Batch: 59942 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31957-22	CS-94 (1.5')	Soluble	Solid	DI Leach	
880-31957-23	CS-95 (1.5')	Soluble	Solid	DI Leach	
880-31957-24	CS-96 (1.5')	Soluble	Solid	DI Leach	
880-31957-25	CS-97 (1.5')	Soluble	Solid	DI Leach	
880-31957-26	CS-98 (1.5')	Soluble	Solid	DI Leach	
880-31957-27	CS-99 (1.5')	Soluble	Solid	DI Leach	
880-31957-28	CS-100 (1.5')	Soluble	Solid	DI Leach	
880-31957-29	CS-101 (1.5')	Soluble	Solid	DI Leach	
880-31957-30	CS-102 (1.5')	Soluble	Solid	DI Leach	
880-31957-31	SW-5 (4')	Soluble	Solid	DI Leach	
880-31957-32	SW-6 (4')	Soluble	Solid	DI Leach	
880-31957-33	SW-14 (3')	Soluble	Solid	DI Leach	
880-31957-34	SW-16 (2')	Soluble	Solid	DI Leach	
880-31957-35	SW-17 (2')	Soluble	Solid	DI Leach	
880-31957-36	SW-18 (2')	Soluble	Solid	DI Leach	
880-31957-37	SW-19 (2')	Soluble	Solid	DI Leach	
880-31957-38	SW-20 (2')	Soluble	Solid	DI Leach	
880-31957-39	SW-21 (2')	Soluble	Solid	DI Leach	
880-31957-40	SW-22 (1.5')	Soluble	Solid	DI Leach	
MB 880-59942/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-59942/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-59942/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-31957-21 MS	CS-93 (1.5')	Soluble	Solid	DI Leach	
880-31957-21 MSD	CS-93 (1.5')	Soluble	Solid	DI Leach	
880-31957-31 MS	SW-5 (4')	Soluble	Solid	DI Leach	
880-31957-31 MSD	SW-5 (4')	Soluble	Solid	DI Leach	

Leach Batch: 59960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31957-41	SW-23 (1.5')	Soluble	Solid	DI Leach	
880-31957-42	SW-24 (1.5')	Soluble	Solid	DI Leach	
880-31957-43	SW-29 (2')	Soluble	Solid	DI Leach	
880-31957-44	SW-30 (0.5')	Soluble	Solid	DI Leach	
MB 880-59960/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-59960/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-59960/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-31957-41 MS	SW-23 (1.5')	Soluble	Solid	DI Leach	
880-31957-41 MSD	SW-23 (1.5')	Soluble	Solid	DI Leach	

Analysis Batch: 60019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31957-1	CS-13 (4.25')	Soluble	Solid	300.0	59941
880-31957-2	CS-14 (3.25')	Soluble	Solid	300.0	59941
880-31957-3	CS-29 (2')	Soluble	Solid	300.0	59941
880-31957-4	CS-31 (2')	Soluble	Solid	300.0	59941
880-31957-5	CS-32 (2')	Soluble	Solid	300.0	59941
880-31957-6	CS-33 (2')	Soluble	Solid	300.0	59941
880-31957-7	CS-34 (2')	Soluble	Solid	300.0	59941
880-31957-8	CS-35 (2')	Soluble	Solid	300.0	59941
880-31957-9	CS-36 (2')	Soluble	Solid	300.0	59941
880-31957-10	CS-46 (2')	Soluble	Solid	300.0	59941

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QC Association Summary

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-31957-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 60019 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31957-11	CS-47 (2')	Soluble	Solid	300.0	59941
880-31957-12	CS-60 (2')	Soluble	Solid	300.0	59941
880-31957-13	CS-61 (2')	Soluble	Solid	300.0	59941
880-31957-14	CS-63 (2')	Soluble	Solid	300.0	59941
880-31957-15	CS-64 (2')	Soluble	Solid	300.0	59941
880-31957-16	CS-65 (2')	Soluble	Solid	300.0	59941
880-31957-17	CS-67 (2')	Soluble	Solid	300.0	59941
880-31957-18	CS-68 (2')	Soluble	Solid	300.0	59941
880-31957-19	CS-69 (2')	Soluble	Solid	300.0	59941
880-31957-20	CS-92 (1.5')	Soluble	Solid	300.0	59941
MB 880-59941/1-A	Method Blank	Soluble	Solid	300.0	59941
LCS 880-59941/2-A	Lab Control Sample	Soluble	Solid	300.0	59941
LCSD 880-59941/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	59941
880-31957-1 MS	CS-13 (4.25')	Soluble	Solid	300.0	59941
880-31957-1 MSD	CS-13 (4.25')	Soluble	Solid	300.0	59941
880-31957-11 MS	CS-47 (2')	Soluble	Solid	300.0	59941
880-31957-11 MSD	CS-47 (2')	Soluble	Solid	300.0	59941

Analysis Batch: 60024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31957-21	CS-93 (1.5')	Soluble	Solid	300.0	59942
880-31957-22	CS-94 (1.5')	Soluble	Solid	300.0	59942
880-31957-23	CS-95 (1.5')	Soluble	Solid	300.0	59942
880-31957-24	CS-96 (1.5')	Soluble	Solid	300.0	59942
880-31957-25	CS-97 (1.5')	Soluble	Solid	300.0	59942
880-31957-26	CS-98 (1.5')	Soluble	Solid	300.0	59942
880-31957-27	CS-99 (1.5')	Soluble	Solid	300.0	59942
880-31957-28	CS-100 (1.5')	Soluble	Solid	300.0	59942
880-31957-29	CS-101 (1.5')	Soluble	Solid	300.0	59942
880-31957-30	CS-102 (1.5')	Soluble	Solid	300.0	59942
880-31957-31	SW-5 (4')	Soluble	Solid	300.0	59942
880-31957-32	SW-6 (4')	Soluble	Solid	300.0	59942
880-31957-33	SW-14 (3')	Soluble	Solid	300.0	59942
880-31957-34	SW-16 (2')	Soluble	Solid	300.0	59942
880-31957-35	SW-17 (2')	Soluble	Solid	300.0	59942
880-31957-36	SW-18 (2')	Soluble	Solid	300.0	59942
880-31957-37	SW-19 (2')	Soluble	Solid	300.0	59942
880-31957-38	SW-20 (2')	Soluble	Solid	300.0	59942
880-31957-39	SW-21 (2')	Soluble	Solid	300.0	59942
880-31957-40	SW-22 (1.5')	Soluble	Solid	300.0	59942
MB 880-59942/1-A	Method Blank	Soluble	Solid	300.0	59942
LCS 880-59942/2-A	Lab Control Sample	Soluble	Solid	300.0	59942
LCSD 880-59942/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	59942
880-31957-21 MS	CS-93 (1.5')	Soluble	Solid	300.0	59942
880-31957-21 MSD	CS-93 (1.5')	Soluble	Solid	300.0	59942
880-31957-31 MS	SW-5 (4')	Soluble	Solid	300.0	59942
880-31957-31 MSD	SW-5 (4')	Soluble	Solid	300.0	59942

Analysis Batch: 60025

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31957-41	SW-23 (1.5')	Soluble	Solid	300.0	59960

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QC Association Summary

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-31957-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 60025 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31957-42	SW-24 (1.5')	Soluble	Solid	300.0	59960
880-31957-43	SW-29 (2')	Soluble	Solid	300.0	59960
880-31957-44	SW-30 (0.5')	Soluble	Solid	300.0	59960
MB 880-59960/1-A	Method Blank	Soluble	Solid	300.0	59960
LCS 880-59960/2-A	Lab Control Sample	Soluble	Solid	300.0	59960
LCSD 880-59960/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	59960
880-31957-41 MS	SW-23 (1.5')	Soluble	Solid	300.0	59960
880-31957-41 MSD	SW-23 (1.5')	Soluble	Solid	300.0	59960

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Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-13 (4.25')

Lab Sample ID: 880-31957-1

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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	59950	08/11/23 14:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59976	08/11/23 21:05	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			60101	08/15/23 15:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			60205	08/14/23 19:48	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	59982	08/11/23 16:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59998	08/12/23 11:04	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	59941	08/11/23 13:42	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60019	08/11/23 17:59	SMC	EET MID

Client Sample ID: CS-14 (3.25')

Lab Sample ID: 880-31957-2

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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	59950	08/11/23 14:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59976	08/11/23 21:31	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			60101	08/15/23 15:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			60205	08/14/23 19:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	59982	08/11/23 16:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59998	08/12/23 12:11	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	59941	08/11/23 13:42	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60019	08/11/23 18:16	SMC	EET MID

Client Sample ID: CS-29 (2')

Lab Sample ID: 880-31957-3

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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	59950	08/11/23 14:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59976	08/11/23 21:57	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			60101	08/15/23 15:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			60205	08/14/23 19:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	59982	08/11/23 16:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59998	08/12/23 12:33	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	59941	08/11/23 13:42	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60019	08/11/23 18:21	SMC	EET MID

Client Sample ID: CS-31 (2')

Lab Sample ID: 880-31957-4

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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	59950	08/11/23 14:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59976	08/11/23 22:24	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			60101	08/15/23 15:04	SM	EET MID

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Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-31 (2')

Lab Sample ID: 880-31957-4

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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			60205	08/14/23 19:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	59982	08/11/23 16:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59998	08/12/23 12:56	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	59941	08/11/23 13:42	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60019	08/11/23 18:27	SMC	EET MID

Client Sample ID: CS-32 (2')

Lab Sample ID: 880-31957-5

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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	59950	08/11/23 14:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59976	08/11/23 22:50	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			60101	08/15/23 15:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			60205	08/14/23 19:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	59982	08/11/23 16:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59998	08/12/23 13:18	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	59941	08/11/23 13:42	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60019	08/11/23 18:34	SMC	EET MID

Client Sample ID: CS-33 (2')

Lab Sample ID: 880-31957-6

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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	59950	08/11/23 14:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59976	08/11/23 23:16	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			60101	08/15/23 15:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			60205	08/14/23 19:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	59982	08/11/23 16:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59998	08/12/23 13:40	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	59941	08/11/23 13:42	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60019	08/11/23 18:54	SMC	EET MID

Client Sample ID: CS-34 (2')

Lab Sample ID: 880-31957-7

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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	59950	08/11/23 14:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59976	08/11/23 23:42	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			60101	08/15/23 15:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			60205	08/14/23 19:48	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	59982	08/11/23 16:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59998	08/12/23 14:02	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-34 (2')

Lab Sample ID: 880-31957-7

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	59941	08/11/23 13:42	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60019	08/11/23 19:00	SMC	EET MID

Client Sample ID: CS-35 (2')

Lab Sample ID: 880-31957-8

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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	59950	08/11/23 14:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59976	08/12/23 00:08	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			60101	08/15/23 15:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			60205	08/14/23 19:48	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	59982	08/11/23 16:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59998	08/12/23 14:24	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	59941	08/11/23 13:42	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60019	08/11/23 19:07	SMC	EET MID

Client Sample ID: CS-36 (2')

Lab Sample ID: 880-31957-9

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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	59950	08/11/23 14:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59976	08/12/23 00:34	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			60101	08/15/23 15:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			60205	08/14/23 19:48	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	59982	08/11/23 16:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59998	08/12/23 14:46	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	59941	08/11/23 13:42	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60019	08/11/23 19:14	SMC	EET MID

Client Sample ID: CS-46 (2')

Lab Sample ID: 880-31957-10

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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	59950	08/11/23 14:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59976	08/12/23 01:01	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			60101	08/15/23 15:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			60205	08/14/23 19:48	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	59982	08/11/23 16:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59998	08/12/23 15:09	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	59941	08/11/23 13:42	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60019	08/11/23 19:20	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-47 (2')

Lab Sample ID: 880-31957-11

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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	59950	08/11/23 14:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59976	08/12/23 02:45	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			60101	08/15/23 15:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			60205	08/14/23 19:48	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	59982	08/11/23 16:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59998	08/12/23 15:53	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	59941	08/11/23 13:42	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60019	08/11/23 19:27	SMC	EET MID

Client Sample ID: CS-60 (2')

Lab Sample ID: 880-31957-12

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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	59950	08/11/23 14:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59976	08/12/23 03:12	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			60101	08/15/23 15:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			60205	08/14/23 19:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	59982	08/11/23 16:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59998	08/12/23 16:15	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	59941	08/11/23 13:42	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60019	08/11/23 19:47	SMC	EET MID

Client Sample ID: CS-61 (2')

Lab Sample ID: 880-31957-13

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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	59950	08/11/23 14:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59976	08/12/23 03:38	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			60101	08/15/23 15:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			60205	08/14/23 19:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	59982	08/11/23 16:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59998	08/12/23 16:38	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	59941	08/11/23 13:42	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60019	08/11/23 19:53	SMC	EET MID

Client Sample ID: CS-63 (2')

Lab Sample ID: 880-31957-14

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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	59950	08/11/23 14:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59976	08/12/23 04:04	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			60101	08/15/23 15:04	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-63 (2')

Lab Sample ID: 880-31957-14

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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			60205	08/14/23 19:48	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	59982	08/11/23 16:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59998	08/12/23 17:00	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	59941	08/11/23 13:42	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60019	08/11/23 20:13	SMC	EET MID

Client Sample ID: CS-64 (2')

Lab Sample ID: 880-31957-15

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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	59950	08/11/23 14:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59976	08/12/23 04:29	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			60101	08/15/23 15:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			60205	08/14/23 19:48	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	59982	08/11/23 16:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59998	08/12/23 17:22	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	59941	08/11/23 13:42	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60019	08/11/23 20:20	SMC	EET MID

Client Sample ID: CS-65 (2')

Lab Sample ID: 880-31957-16

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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	59950	08/11/23 14:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59976	08/12/23 04:55	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			60101	08/15/23 15:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			60205	08/14/23 19:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	59982	08/11/23 16:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59998	08/12/23 17:45	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	59941	08/11/23 13:42	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60019	08/11/23 20:27	SMC	EET MID

Client Sample ID: CS-67 (2')

Lab Sample ID: 880-31957-17

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	59950	08/11/23 14:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59976	08/12/23 05:20	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			60101	08/15/23 15:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			60205	08/14/23 19:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	59982	08/11/23 16:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59998	08/12/23 18:07	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-67 (2')

Lab Sample ID: 880-31957-17

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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	59941	08/11/23 13:42	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60019	08/11/23 20:33	SMC	EET MID

Client Sample ID: CS-68 (2')

Lab Sample ID: 880-31957-18

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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	59950	08/11/23 14:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59976	08/12/23 05:45	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			60101	08/15/23 15:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			60205	08/14/23 19:48	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	59982	08/11/23 16:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59998	08/12/23 18:29	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	59941	08/11/23 13:42	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60019	08/11/23 20:40	SMC	EET MID

Client Sample ID: CS-69 (2')

Lab Sample ID: 880-31957-19

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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	59950	08/11/23 14:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59976	08/12/23 06:10	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			60101	08/15/23 15:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			60205	08/14/23 19:48	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	59982	08/11/23 16:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59998	08/12/23 18:51	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	59941	08/11/23 13:42	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60019	08/11/23 20:46	SMC	EET MID

Client Sample ID: CS-92 (1.5')

Lab Sample ID: 880-31957-20

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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	59950	08/11/23 14:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59976	08/12/23 06:35	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			60101	08/15/23 15:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			60205	08/14/23 19:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	59982	08/11/23 16:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59998	08/12/23 19:13	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	59941	08/11/23 13:42	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60019	08/11/23 20:53	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-93 (1.5')

Lab Sample ID: 880-31957-21

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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	59951	08/11/23 14:09	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59922	08/12/23 00:49	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60101	08/14/23 11:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			60205	08/14/23 19:48	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	59983	08/11/23 16:40	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59998	08/12/23 21:05	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	59942	08/11/23 13:44	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60024	08/12/23 01:47	SMC	EET MID

Client Sample ID: CS-94 (1.5')

Lab Sample ID: 880-31957-22

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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	59951	08/11/23 14:09	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59922	08/12/23 01:10	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60101	08/14/23 11:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			60205	08/14/23 19:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	59983	08/11/23 16:40	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59998	08/12/23 22:11	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	59942	08/11/23 13:44	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60024	08/12/23 02:18	SMC	EET MID

Client Sample ID: CS-95 (1.5')

Lab Sample ID: 880-31957-23

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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	59951	08/11/23 14:09	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59922	08/12/23 01:30	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60101	08/14/23 11:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			60205	08/14/23 19:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	59983	08/11/23 16:40	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59998	08/12/23 22:34	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	59942	08/11/23 13:44	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60024	08/12/23 02:29	SMC	EET MID

Client Sample ID: CS-96 (1.5')

Lab Sample ID: 880-31957-24

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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	59951	08/11/23 14:09	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59922	08/12/23 01:51	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60101	08/14/23 11:01	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-96 (1.5')

Lab Sample ID: 880-31957-24

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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			60205	08/14/23 19:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	59983	08/11/23 16:40	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59998	08/12/23 22:56	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	59942	08/11/23 13:44	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60024	08/12/23 02:39	SMC	EET MID

Client Sample ID: CS-97 (1.5')

Lab Sample ID: 880-31957-25

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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	59951	08/11/23 14:09	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59922	08/12/23 02:12	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60101	08/14/23 11:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			60205	08/14/23 19:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	59983	08/11/23 16:40	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59998	08/12/23 23:17	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	59942	08/11/23 13:44	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60024	08/12/23 02:50	SMC	EET MID

Client Sample ID: CS-98 (1.5')

Lab Sample ID: 880-31957-26

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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	59951	08/11/23 14:09	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59922	08/12/23 02:33	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60101	08/14/23 11:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			60205	08/14/23 19:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	59983	08/11/23 16:40	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59998	08/12/23 23:39	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	59942	08/11/23 13:44	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60024	08/12/23 03:21	SMC	EET MID

Client Sample ID: CS-99 (1.5')

Lab Sample ID: 880-31957-27

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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	59951	08/11/23 14:09	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59922	08/12/23 02:54	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60101	08/14/23 11:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			60205	08/14/23 19:48	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	59983	08/11/23 16:40	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59998	08/13/23 00:01	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-99 (1.5')

Lab Sample ID: 880-31957-27

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	59942	08/11/23 13:44	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60024	08/12/23 03:52	SMC	EET MID

Client Sample ID: CS-100 (1.5')

Lab Sample ID: 880-31957-28

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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	59951	08/11/23 14:09	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59922	08/12/23 03:14	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60101	08/14/23 11:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			60205	08/14/23 19:48	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	59983	08/11/23 16:40	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59998	08/13/23 00:22	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	59942	08/11/23 13:44	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60024	08/12/23 03:31	SMC	EET MID

Client Sample ID: CS-101 (1.5')

Lab Sample ID: 880-31957-29

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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	59951	08/11/23 14:09	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59922	08/12/23 03:35	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60101	08/14/23 11:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			60205	08/14/23 19:48	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	59983	08/11/23 16:40	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59998	08/13/23 00:44	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	59942	08/11/23 13:44	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60024	08/12/23 03:41	SMC	EET MID

Client Sample ID: CS-102 (1.5')

Lab Sample ID: 880-31957-30

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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	59951	08/11/23 14:09	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59922	08/12/23 03:56	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60101	08/14/23 11:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			60205	08/14/23 19:48	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	59983	08/11/23 16:40	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59998	08/13/23 01:05	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	59942	08/11/23 13:44	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60024	08/12/23 04:02	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

Client Sample ID: SW-5 (4')

Lab Sample ID: 880-31957-31

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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	59951	08/11/23 14:09	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59922	08/12/23 05:20	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60101	08/14/23 11:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			60205	08/14/23 19:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	59983	08/11/23 16:40	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59998	08/13/23 01:48	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	59942	08/11/23 13:44	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60024	08/12/23 04:12	SMC	EET MID

Client Sample ID: SW-6 (4')

Lab Sample ID: 880-31957-32

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	59951	08/11/23 14:09	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59922	08/12/23 05:40	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60101	08/14/23 11:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			60205	08/14/23 19:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	59983	08/11/23 16:40	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59998	08/13/23 02:10	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	59942	08/11/23 13:44	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60024	08/12/23 04:44	SMC	EET MID

Client Sample ID: SW-14 (3')

Lab Sample ID: 880-31957-33

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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	59951	08/11/23 14:09	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59922	08/12/23 06:01	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60101	08/14/23 11:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			60205	08/14/23 19:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	59983	08/11/23 16:40	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59998	08/13/23 02:31	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	59942	08/11/23 13:44	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60024	08/12/23 04:54	SMC	EET MID

Client Sample ID: SW-16 (2')

Lab Sample ID: 880-31957-34

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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	59951	08/11/23 14:09	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59922	08/12/23 06:22	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60101	08/14/23 11:01	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

Client Sample ID: SW-16 (2')

Lab Sample ID: 880-31957-34

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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			60205	08/14/23 19:48	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	59983	08/11/23 16:40	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59998	08/13/23 02:53	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	59942	08/11/23 13:44	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60024	08/12/23 05:25	SMC	EET MID

Client Sample ID: SW-17 (2')

Lab Sample ID: 880-31957-35

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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	59951	08/11/23 14:09	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59922	08/12/23 06:42	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60101	08/14/23 11:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			60205	08/14/23 19:48	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	59983	08/11/23 16:40	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59998	08/13/23 03:14	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	59942	08/11/23 13:44	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60024	08/12/23 05:35	SMC	EET MID

Client Sample ID: SW-18 (2')

Lab Sample ID: 880-31957-36

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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	59951	08/11/23 14:09	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59922	08/12/23 07:03	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60101	08/14/23 11:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			60205	08/14/23 19:48	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	59983	08/11/23 16:40	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59998	08/13/23 03:35	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	59942	08/11/23 13:44	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60024	08/12/23 05:46	SMC	EET MID

Client Sample ID: SW-19 (2')

Lab Sample ID: 880-31957-37

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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	59951	08/11/23 14:09	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59922	08/12/23 07:24	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60101	08/14/23 11:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			60205	08/14/23 19:48	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	59983	08/11/23 16:40	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59998	08/13/23 03:57	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

Client Sample ID: SW-19 (2')

Lab Sample ID: 880-31957-37

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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	59942	08/11/23 13:44	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60024	08/12/23 05:56	SMC	EET MID

Client Sample ID: SW-20 (2')

Lab Sample ID: 880-31957-38

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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	59951	08/11/23 14:09	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59922	08/12/23 07:44	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60101	08/14/23 11:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			60205	08/14/23 19:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	59983	08/11/23 16:40	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59998	08/13/23 04:18	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	59942	08/11/23 13:44	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60024	08/12/23 06:06	SMC	EET MID

Client Sample ID: SW-21 (2')

Lab Sample ID: 880-31957-39

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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	59951	08/11/23 14:09	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59922	08/12/23 08:05	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60101	08/14/23 11:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			60205	08/14/23 19:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	59983	08/11/23 16:40	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59998	08/13/23 04:39	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	59942	08/11/23 13:44	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60024	08/12/23 06:17	SMC	EET MID

Client Sample ID: SW-22 (1.5')

Lab Sample ID: 880-31957-40

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	59951	08/11/23 14:09	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59922	08/12/23 08:26	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60101	08/14/23 11:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			60205	08/14/23 19:48	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	59983	08/11/23 16:40	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59998	08/13/23 05:01	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	59942	08/11/23 13:44	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60024	08/12/23 06:27	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

Client Sample ID: SW-23 (1.5')

Lab Sample ID: 880-31957-41

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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	59953	08/11/23 14:48	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/12/23 04:32	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60101	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60205	08/14/23 21:29	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	59984	08/11/23 16:43	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59999	08/12/23 11:04	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	59960	08/11/23 15:19	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60025	08/12/23 07:50	SMC	EET MID

Client Sample ID: SW-24 (1.5')

Lab Sample ID: 880-31957-42

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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	59953	08/11/23 14:48	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/12/23 04:53	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60101	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60205	08/14/23 21:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	59984	08/11/23 16:43	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59999	08/12/23 12:11	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	59960	08/11/23 15:19	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60025	08/12/23 08:21	SMC	EET MID

Client Sample ID: SW-29 (2')

Lab Sample ID: 880-31957-43

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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	59953	08/11/23 14:48	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/12/23 05:13	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60101	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60205	08/14/23 21:29	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	59984	08/11/23 16:43	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59999	08/12/23 12:33	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	59960	08/11/23 15:19	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60025	08/12/23 08:32	SMC	EET MID

Client Sample ID: SW-30 (0.5')

Lab Sample ID: 880-31957-44

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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	59953	08/11/23 14:48	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/12/23 05:34	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60101	08/14/23 14:44	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

Client Sample ID: SW-30 (0.5')

Lab Sample ID: 880-31957-44

Date Collected: 08/10/23 00:00

Matrix: Solid

Date Received: 08/11/23 11:25

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			60205	08/14/23 21:29	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	59984	08/11/23 16:43	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59999	08/12/23 12:56	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	59960	08/11/23 15:19	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60025	08/12/23 08:42	SMC	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: Modelo 533 Release

Job ID: 880-31957-1
 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	T104704400-23-26	06-30-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

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Method Summary

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-31957-1
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: Modelo 533 Release

Job ID: 880-31957-1
 SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-31957-1	CS-13 (4.25')	Solid	08/10/23 00:00	08/11/23 11:25
880-31957-2	CS-14 (3.25')	Solid	08/10/23 00:00	08/11/23 11:25
880-31957-3	CS-29 (2')	Solid	08/10/23 00:00	08/11/23 11:25
880-31957-4	CS-31 (2')	Solid	08/10/23 00:00	08/11/23 11:25
880-31957-5	CS-32 (2')	Solid	08/10/23 00:00	08/11/23 11:25
880-31957-6	CS-33 (2')	Solid	08/10/23 00:00	08/11/23 11:25
880-31957-7	CS-34 (2')	Solid	08/10/23 00:00	08/11/23 11:25
880-31957-8	CS-35 (2')	Solid	08/10/23 00:00	08/11/23 11:25
880-31957-9	CS-36 (2')	Solid	08/10/23 00:00	08/11/23 11:25
880-31957-10	CS-46 (2')	Solid	08/10/23 00:00	08/11/23 11:25
880-31957-11	CS-47 (2')	Solid	08/10/23 00:00	08/11/23 11:25
880-31957-12	CS-60 (2')	Solid	08/10/23 00:00	08/11/23 11:25
880-31957-13	CS-61 (2')	Solid	08/10/23 00:00	08/11/23 11:25
880-31957-14	CS-63 (2')	Solid	08/10/23 00:00	08/11/23 11:25
880-31957-15	CS-64 (2')	Solid	08/10/23 00:00	08/11/23 11:25
880-31957-16	CS-65 (2')	Solid	08/10/23 00:00	08/11/23 11:25
880-31957-17	CS-67 (2')	Solid	08/10/23 00:00	08/11/23 11:25
880-31957-18	CS-68 (2')	Solid	08/10/23 00:00	08/11/23 11:25
880-31957-19	CS-69 (2')	Solid	08/10/23 00:00	08/11/23 11:25
880-31957-20	CS-92 (1.5')	Solid	08/10/23 00:00	08/11/23 11:25
880-31957-21	CS-93 (1.5')	Solid	08/10/23 00:00	08/11/23 11:25
880-31957-22	CS-94 (1.5')	Solid	08/10/23 00:00	08/11/23 11:25
880-31957-23	CS-95 (1.5')	Solid	08/10/23 00:00	08/11/23 11:25
880-31957-24	CS-96 (1.5')	Solid	08/10/23 00:00	08/11/23 11:25
880-31957-25	CS-97 (1.5')	Solid	08/10/23 00:00	08/11/23 11:25
880-31957-26	CS-98 (1.5')	Solid	08/10/23 00:00	08/11/23 11:25
880-31957-27	CS-99 (1.5')	Solid	08/10/23 00:00	08/11/23 11:25
880-31957-28	CS-100 (1.5')	Solid	08/10/23 00:00	08/11/23 11:25
880-31957-29	CS-101 (1.5')	Solid	08/10/23 00:00	08/11/23 11:25
880-31957-30	CS-102 (1.5')	Solid	08/10/23 00:00	08/11/23 11:25
880-31957-31	SW-5 (4')	Solid	08/10/23 00:00	08/11/23 11:25
880-31957-32	SW-6 (4')	Solid	08/10/23 00:00	08/11/23 11:25
880-31957-33	SW-14 (3')	Solid	08/10/23 00:00	08/11/23 11:25
880-31957-34	SW-16 (2')	Solid	08/10/23 00:00	08/11/23 11:25
880-31957-35	SW-17 (2')	Solid	08/10/23 00:00	08/11/23 11:25
880-31957-36	SW-18 (2')	Solid	08/10/23 00:00	08/11/23 11:25
880-31957-37	SW-19 (2')	Solid	08/10/23 00:00	08/11/23 11:25
880-31957-38	SW-20 (2')	Solid	08/10/23 00:00	08/11/23 11:25
880-31957-39	SW-21 (2')	Solid	08/10/23 00:00	08/11/23 11:25
880-31957-40	SW-22 (1.5')	Solid	08/10/23 00:00	08/11/23 11:25
880-31957-41	SW-23 (1.5')	Solid	08/10/23 00:00	08/11/23 11:25
880-31957-42	SW-24 (1.5')	Solid	08/10/23 00:00	08/11/23 11:25
880-31957-43	SW-29 (2')	Solid	08/10/23 00:00	08/11/23 11:25
880-31957-44	SW-30 (0.5')	Solid	08/10/23 00:00	08/11/23 11:25

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Chain of Custody



880-31957 Chain of Custody

Project Manager	Conner Moehring	Bill to: (if different)	Todd Wells
Company Name	Carmona Resources	Company Name	EOG Resources
Address	310 W Wall St Ste 500	Address	5509 Champions Dr
City/State/Zip	Midland, TX 79701	City, State/Zip	Midland, TX 79706
Phone	432-813-6823	Email	Todd Wells@eogresources.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Crownfields <input type="checkbox"/> RC <input type="checkbox"/> Spentfund <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"/>
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 <input type="checkbox"/>

Project Name	Project Number	Project Location	Sampler's Name	PO #	Turn Around		Pres. Code	ANALYSIS REQUEST			Preservative Codes	
					<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush		Due Date	24 HR	BTEX 8021B		TPH 8015M (GRO + DRO + MRO)
Modelo 533 Release	1171	Lea County, New Mexico	JR & JM									
SAMPLE RECEIPT Received Inact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Cooler Custody Seals: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Sample Custody Seals: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Total Containers: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				Temp Blank	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Well Ice	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor	Temperature Reading	Corrected Temperature
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont				Sample Comments		
CS-13 (4.25)	8/10/2023		X	Comp	1	X	X	X				
CS-23 (3.25)	8/10/2023		X	Comp	1	X	X	X				
CS-29 (2)	8/10/2023		X	Comp	1	X	X	X				
CS-31 (2)	8/10/2023		X	Comp	1	X	X	X				
CS-32 (2)	8/10/2023		X	Comp	1	X	X	X				
CS-33 (2)	8/10/2023		X	Comp	1	X	X	X				
CS-34 (2)	8/10/2023		X	Comp	1	X	X	X				
CS-35 (2)	8/10/2023		X	Comp	1	X	X	X				
CS-36 (2)	8/10/2023		X	Comp	1	X	X	X				
CS-46 (2)	8/10/2023		X	Comp	1	X	X	X				

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>Salim Tangar</i>	8/11/23 1136	<i>[Signature]</i>	

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Chain of Custody

Work Order No: 31957

Page 2 of 5

Project Manager	Conner Moehring	Bill to (if different)	Todd Wells
Company Name	Carmona Resources	Company Name	EOG Resources
Address	310 W Wall St Ste 500	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland Tx 79706
Phone	432-813-6823	Email	Todd Wells@eogresources.com

Work Order Comments	
Program: UST/PT <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> Perfund <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 <input type="checkbox"/>	

Project Name	Modelo 533 Release	Turn Around		Parameters	ANALYSIS REQUEST												Preservative Codes					
		<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush		Due Date	24 HR																
Project Number	1171																None NO					
Project Location	Lea County, New Mexico																Cool Cool					
Sampler's Name	JR & JM																HCL, HC					
PO #																	H ₂ SO ₄ H ₂					
SAMPLE RECEIPT	Temp Blank	Yes	No	Thermometer ID													H ₃ PO ₄ HP					
Received Intact	Yes	No		Correction Factor													NaHSO ₄ NABIS					
Cooler Custody Seals	Yes	No	N/A	Temperature Reading													Na ₂ S ₂ O ₃ NaSO ₃					
Sample Custody Seals	Yes	No	N/A	Corrected Temperature													Zn Acetate+NaOH Zn					
Total Containers																	NaOH+Ascorbic Acid SAPC					
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments			
CS-47 (2)	8/10/2023		X		Comp	1	X	X	X													
CS-60 (2)	8/10/2023		X		Comp	1	X	X	X													
CS-61 (2)	8/10/2023		X		Comp	1	X	X	X													
CS-63 (2)	8/10/2023		X		Comp	1	X	X	X													
CS-64 (2)	8/10/2023		X		Comp	1	X	X	X													
CS-65 (2)	8/10/2023		X		Comp	1	X	X	X													
CS-67 (2)	8/10/2023		X		Comp	1	X	X	X													
CS-68 (2)	8/10/2023		X		Comp	1	X	X	X													
CS-69 (2)	8/10/2023		X		Comp	1	X	X	X													
CS-92 (1 5')	8/10/2023		X		Comp	1	X	X	X													

Comments: Email to Mike Carmona / mcarrmona@carrmonaresources.com and Conner Moehring / cmoehring@carrmonaresources.com

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<i>Faldon Dargatz</i>	8/11/23 11:25
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<i>[Signature]</i>	

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Chair of Custody

Work Order No: 21957

Project Manager	Conner Moehring	Bill to (if different)	Todd Wells
Company Name	Carmona Resources	Company Name	EOG Resources
Address	310 W Wall St Ste 500	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland Tx 79706
Phone	432-813-6823	Email	Todd Wells@eogresources.com

Project Name: Modelo 533 Release Project Number: 1171 Project Location: Lea County, New Mexico Sampler's Name: JR & JM PO #: SAMPLE RECEIPT Received In tact: Yes No Cooler Custody Seals: Yes No N/A Sample Custody Seals: Yes No N/A Total Containers:	Turn Around: <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush Due Date: 24 HR Temp Blank: Yes No Thermometer ID: Correction Factor: Temperature Reading: Corrected Temperature: Well Ice: Yes No Parameters:
---	---

ANALYSIS REQUEST Program: USTR/ST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> JRC <input type="checkbox"/> Jportfund <input type="checkbox"/> State of Project: Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> PRP <input type="checkbox"/> Level IV <input type="checkbox"/> Deliverables EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other	Preservative Codes None NO DI Water H ₂ O Cool Cool MeOH Me HCL HC HNO ₃ HN H ₂ SO ₄ H ₂ NaOH Na H ₃ PO ₄ HP NaHSO ₄ NABIS Na ₂ S ₂ O ₃ NaSO ₃ Zn Acetate+NaOH Zn NaOH+Ascorbic Acid SAPC
---	--

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters		
							BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0
SW-5 (4)	8/10/2023		X		Comp	1	X	X	X
SW-6 (4)	8/10/2023		X		Comp	1	X	X	X
SW-14 (3)	8/10/2023		X		Comp	1	X	X	X
SW-16 (2)	8/10/2023		X		Comp	1	X	X	X
SW-17 (2)	8/10/2023		X		Comp	1	X	X	X
SW-18 (2)	8/10/2023		X		Comp	1	X	X	X
SW-19 (2)	8/10/2023		X		Comp	1	X	X	X
SW-20 (2)	8/10/2023		X		Comp	1	X	X	X
SW-21 (2)	8/10/2023		X		Comp	1	X	X	X
SW-22 (1 5)	8/10/2023		X		Comp	1	X	X	X

Comments: Email to Mike Carmona / Mccarmona@carmonarresources.com and Conner Moehring / Cmoehring@carmonarresources.com

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<i>Salvian Torqu</i>		8/11/23	11:05
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		Date/Time	

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Chain of Custody

Work Order No: 31957

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Project Manager	Conner Moehring	Bill to (if different)	Todd Wells
Company Name	Carrmona Resources	Company Name	EOG Resources
Address	310 W Wall St Ste 500	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79701	City State ZIP	Midland Tx 79706
Phone	432-813-6823	Email	Todd.Wells@eogresources.com

Program: UST/ST <input type="checkbox"/> PRP <input type="checkbox"/> from fields <input type="checkbox"/> Inc <input type="checkbox"/> per fund <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 <input type="checkbox"/>

Project Name	Modelo 533 Release	Turn Around		Parameters	ANALYSIS REQUEST																Preservative Codes					
		<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush		Due Date	24 HR																	None NO	DI Water H ₂ O		
Project Number	1171																				Cool Cool	MeOH Me				
Project Location	Lea County, New Mexico																				HCL, HC	HNO ₃ HN				
Sampler's Name	JR & JM																				H ₂ SO ₄ , H ₂	NaOH Na				
PO #																					H ₃ PO ₄ , HP					
SAMPLE RECEIPT	Temp Blank:	Yes	No	Yes	No																	NaHSO ₄ NABIS				
Received Intact:	Yes	No	Thermometer ID																		Na ₂ S ₂ O ₃ NaSO ₃					
Cooler Custody Seals:	Yes	No	Correction Factor																		Zn Acetate+NaOH Zn					
Sample Custody Seals:	Yes	No	Temperature Reading																		NaOH+Ascorbic Acid S APC					
Total Containers:	Yes	No	Corrected Temperature																							
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont																	Sample Comments			
SW-23 (1.5')	8/10/2023		X		Comp	1	X	X	X																	
SW-24 (1.5')	8/10/2023		X		Comp	1	X	X	X																	
SW-29 (2')	8/10/2023		X		Comp	1	X	X	X																	
SW-30 (0.5')	8/10/2023		X		Comp	1	X	X	X																	

Comments: Email to Mike Carrmona / Mccarrmona@carrmonaresources.com and Conner Moehring / Cmoehring@carrmonaresources.com

Relinquished by (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Fabian Davago</i>	8/11/23 11:26	<i>[Signature]</i>	

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-31957-1
SDG Number: Lea County, New Mexico

Login Number: 31957

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 8/21/2023 1:35:20 PM

JOB DESCRIPTION

Modelo 533 Release
 SDG NUMBER Lea County New Mexico

JOB NUMBER

880-31987-1

Eurofins Midland
 1211 W. Florida Ave
 Midland TX 79701



Eurofins Midland

Job Notes

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

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

Authorization



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

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Client: Carmona Resources
Project/Site: Modelo 533 Release

Laboratory Job ID: 880-31987-1
SDG: Lea County New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-31987-1
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
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: Modelo 533 Release

Job ID: 880-31987-1
SDG: Lea County New Mexico

Job ID: 880-31987-1**Laboratory: Eurofins Midland****Narrative**

Job Narrative
880-31987-1

Receipt

The samples were received on 8/14/2023 9:56 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 -9.9°C

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: (MB 880-60094/5-A) and (MB 880-60125/5-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following samples were outside control limits: CS-25 (2') (880-31987-1), CS-26 (2') (880-31987-2), CS-27 (2') (880-31987-3), CS-30 (2') (880-31987-5), CS-37 (2') (880-31987-6), CS-38 (2') (880-31987-7), CS-39 (2') (880-31987-8), CS-40 (2') (880-31987-9), CS-41 (2') (880-31987-10), CS-71 (2.5') (880-31987-13) and CS-76 (2.5') (880-31987-18). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-60126 and analytical batch 880-60079 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.

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-60068/31), (CCV 880-60068/47) and (CCV 880-60068/58). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS-83 (2.5') (880-31987-25), CS-84 (2.5') (880-31987-26), CS-85 (2.5') (880-31987-27), CS-86 (2.5') (880-31987-28), CS-87 (2.5') (880-31987-29) and CS-88 (2.5') (880-31987-30). 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-28 (2.5') (880-31987-37). 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: (CCV 880-60066/31), (CCV 880-60066/47), (CCV 880-60066/58) and (LCSD 880-60113/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-60113 and analytical batch 880-60066 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS-25 (2') (880-31987-1), CS-26 (2') (880-31987-2), CS-27 (2') (880-31987-3), CS-28 (2') (880-31987-4), CS-30 (2') (880-31987-5), CS-37 (2') (880-31987-6), CS-39 (2') (880-31987-8), CS-40 (2') (880-31987-9), CS-41 (2') (880-31987-10), (880-31987-A-1-B MS) and (880-31987-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: CS-42 (2') (880-31987-11), CS-70 (2.5') (880-31987-12), CS-72 (2.5') (880-31987-14), CS-73 (2.5') (880-31987-15), CS-74 (2.5') (880-31987-16), CS-75 (2.5') (880-31987-17), CS-76 (2.5') (880-31987-18) and CS-77 (2.5') (880-31987-19). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC

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

Case Narrative

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-31987-1
SDG: Lea County New Mexico

Job ID: 880-31987-1 (Continued)

Laboratory: Eurofins Midland (Continued)

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Client Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 ReleaseJob ID: 880-31987-1
SDG: Lea County New Mexico

Client Sample ID: CS-25 (2')

Lab Sample ID: 880-31987-1

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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		08/14/23 14:54	08/14/23 23:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/14/23 14:54	08/14/23 23:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/14/23 14:54	08/14/23 23:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/14/23 14:54	08/14/23 23:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/14/23 14:54	08/14/23 23:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/14/23 14:54	08/14/23 23:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	08/14/23 14:54	08/14/23 23:14	1
1,4-Difluorobenzene (Surr)	63	S1-	70 - 130	08/14/23 14:54	08/14/23 23:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/15/23 10:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	64.2		49.8		mg/Kg			08/15/23 12:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/14/23 11:58	08/14/23 21:40	1
Diesel Range Organics (Over C10-C28)	64.2		49.8		mg/Kg		08/14/23 11:58	08/14/23 21:40	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/14/23 11:58	08/14/23 21:40	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	139	S1+	70 - 130	08/14/23 11:58	08/14/23 21:40	1			
o-Terphenyl	129		70 - 130	08/14/23 11:58	08/14/23 21:40	1			

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	81.1		4.96		mg/Kg			08/14/23 21:29	1

Client Sample ID: CS-26 (2')

Lab Sample ID: 880-31987-2

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.145		0.0501		mg/Kg		08/14/23 14:54	08/15/23 01:57	25
Toluene	<0.0501	U	0.0501		mg/Kg		08/14/23 14:54	08/15/23 01:57	25
Ethylbenzene	<0.0501	U	0.0501		mg/Kg		08/14/23 14:54	08/15/23 01:57	25
m-Xylene & p-Xylene	<0.100	U	0.100		mg/Kg		08/14/23 14:54	08/15/23 01:57	25
o-Xylene	<0.0501	U	0.0501		mg/Kg		08/14/23 14:54	08/15/23 01:57	25
Xylenes, Total	<0.100	U	0.100		mg/Kg		08/14/23 14:54	08/15/23 01:57	25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	170	S1+	70 - 130	08/14/23 14:54	08/15/23 01:57	25
1,4-Difluorobenzene (Surr)	116		70 - 130	08/14/23 14:54	08/15/23 01:57	25

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31987-1
 SDG: Lea County New Mexico

Client Sample ID: CS-26 (2')

Lab Sample ID: 880-31987-2

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.145		0.100		mg/Kg			08/15/23 10:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	7120		50.3		mg/Kg			08/15/23 12:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		08/14/23 11:58	08/14/23 22:47	1
Diesel Range Organics (Over C10-C28)	7120		50.3		mg/Kg		08/14/23 11:58	08/14/23 22:47	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		08/14/23 11:58	08/14/23 22:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	141	S1+	70 - 130				08/14/23 11:58	08/14/23 22:47	1
o-Terphenyl	119		70 - 130				08/14/23 11:58	08/14/23 22:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	121		4.99		mg/Kg			08/14/23 21:50	1

Client Sample ID: CS-27 (2')

Lab Sample ID: 880-31987-3

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0976		0.0497		mg/Kg		08/14/23 14:54	08/15/23 02:18	25
Toluene	<0.0497	U	0.0497		mg/Kg		08/14/23 14:54	08/15/23 02:18	25
Ethylbenzene	<0.0497	U	0.0497		mg/Kg		08/14/23 14:54	08/15/23 02:18	25
m-Xylene & p-Xylene	<0.0994	U	0.0994		mg/Kg		08/14/23 14:54	08/15/23 02:18	25
o-Xylene	<0.0497	U	0.0497		mg/Kg		08/14/23 14:54	08/15/23 02:18	25
Xylenes, Total	<0.0994	U	0.0994		mg/Kg		08/14/23 14:54	08/15/23 02:18	25
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	190	S1+	70 - 130				08/14/23 14:54	08/15/23 02:18	25
1,4-Difluorobenzene (Surr)	138	S1+	70 - 130				08/14/23 14:54	08/15/23 02:18	25

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.0994	U	0.0994		mg/Kg			08/15/23 10:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	14000		252		mg/Kg			08/15/23 12:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	406		50.4		mg/Kg		08/14/23 11:58	08/14/23 23:10	1
Diesel Range Organics (Over C10-C28)	13600		252		mg/Kg		08/14/23 11:58	08/16/23 06:24	5

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31987-1
 SDG: Lea County New Mexico

Client Sample ID: CS-27 (2')

Lab Sample ID: 880-31987-3

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/14/23 11:58	08/14/23 23:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130				08/14/23 11:58	08/14/23 23:10	1
o-Terphenyl	97		70 - 130				08/14/23 11:58	08/14/23 23:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	83.8		5.04		mg/Kg			08/14/23 21:57	1

Client Sample ID: CS-28 (2')

Lab Sample ID: 880-31987-4

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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		08/14/23 14:54	08/14/23 23:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/14/23 14:54	08/14/23 23:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/14/23 14:54	08/14/23 23:34	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/14/23 14:54	08/14/23 23:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/14/23 14:54	08/14/23 23:34	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/14/23 14:54	08/14/23 23:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130				08/14/23 14:54	08/14/23 23:34	1
1,4-Difluorobenzene (Surr)	83		70 - 130				08/14/23 14:54	08/14/23 23:34	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			08/15/23 10:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	457		50.1		mg/Kg			08/15/23 12:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		08/14/23 11:58	08/14/23 23:33	1
Diesel Range Organics (Over C10-C28)	457		50.1		mg/Kg		08/14/23 11:58	08/14/23 23:33	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		08/14/23 11:58	08/14/23 23:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	174	S1+	70 - 130				08/14/23 11:58	08/14/23 23:33	1
o-Terphenyl	157	S1+	70 - 130				08/14/23 11:58	08/14/23 23:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	193		5.02		mg/Kg			08/14/23 22:05	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31987-1
 SDG: Lea County New Mexico

Client Sample ID: CS-30 (2')

Lab Sample ID: 880-31987-5

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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		08/14/23 14:54	08/14/23 23:55	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/14/23 14:54	08/14/23 23:55	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/14/23 14:54	08/14/23 23:55	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/14/23 14:54	08/14/23 23:55	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/14/23 14:54	08/14/23 23:55	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/14/23 14:54	08/14/23 23:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	08/14/23 14:54	08/14/23 23:55	1
1,4-Difluorobenzene (Surr)	67	S1-	70 - 130	08/14/23 14:54	08/14/23 23:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/15/23 10:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	159		49.7		mg/Kg			08/15/23 12:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/14/23 11:58	08/14/23 23:54	1
Diesel Range Organics (Over C10-C28)	159		49.7		mg/Kg		08/14/23 11:58	08/14/23 23:54	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/14/23 11:58	08/14/23 23:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	139	S1+	70 - 130	08/14/23 11:58	08/14/23 23:54	1
o-Terphenyl	125		70 - 130	08/14/23 11:58	08/14/23 23:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	160		5.02		mg/Kg			08/14/23 22:12	1

Client Sample ID: CS-37 (2')

Lab Sample ID: 880-31987-6

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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		08/14/23 14:54	08/15/23 00:15	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/14/23 14:54	08/15/23 00:15	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/14/23 14:54	08/15/23 00:15	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/14/23 14:54	08/15/23 00:15	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/14/23 14:54	08/15/23 00:15	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/14/23 14:54	08/15/23 00:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	08/14/23 14:54	08/15/23 00:15	1
1,4-Difluorobenzene (Surr)	54	S1-	70 - 130	08/14/23 14:54	08/15/23 00:15	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31987-1
 SDG: Lea County New Mexico

Client Sample ID: CS-37 (2')

Lab Sample ID: 880-31987-6

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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			08/15/23 10:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	53.5		50.0		mg/Kg			08/15/23 12:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/14/23 11:58	08/15/23 00:16	1
Diesel Range Organics (Over C10-C28)	53.5		50.0		mg/Kg		08/14/23 11:58	08/15/23 00:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/14/23 11:58	08/15/23 00:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130				08/14/23 11:58	08/15/23 00:16	1
o-Terphenyl	125		70 - 130				08/14/23 11:58	08/15/23 00:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	481		4.98		mg/Kg			08/14/23 22:33	1

Client Sample ID: CS-38 (2')

Lab Sample ID: 880-31987-7

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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		08/14/23 14:54	08/15/23 00:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/14/23 14:54	08/15/23 00:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/14/23 14:54	08/15/23 00:36	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/14/23 14:54	08/15/23 00:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/14/23 14:54	08/15/23 00:36	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/14/23 14:54	08/15/23 00:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				08/14/23 14:54	08/15/23 00:36	1
1,4-Difluorobenzene (Surr)	56	S1-	70 - 130				08/14/23 14:54	08/15/23 00:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/15/23 10:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	255		50.1		mg/Kg			08/15/23 12:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		08/14/23 11:58	08/15/23 00:38	1
Diesel Range Organics (Over C10-C28)	255		50.1		mg/Kg		08/14/23 11:58	08/15/23 00:38	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31987-1
 SDG: Lea County New Mexico

Client Sample ID: CS-38 (2')

Lab Sample ID: 880-31987-7

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		08/14/23 11:58	08/15/23 00:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130				08/14/23 11:58	08/15/23 00:38	1
o-Terphenyl	112		70 - 130				08/14/23 11:58	08/15/23 00:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	204		4.97		mg/Kg			08/14/23 22:40	1

Client Sample ID: CS-39 (2')

Lab Sample ID: 880-31987-8

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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		08/14/23 14:54	08/15/23 00:56	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/14/23 14:54	08/15/23 00:56	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/14/23 14:54	08/15/23 00:56	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/14/23 14:54	08/15/23 00:56	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/14/23 14:54	08/15/23 00:56	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/14/23 14:54	08/15/23 00:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130				08/14/23 14:54	08/15/23 00:56	1
1,4-Difluorobenzene (Surr)	67	S1-	70 - 130				08/14/23 14:54	08/15/23 00:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			08/15/23 10:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	276		50.4		mg/Kg			08/15/23 12:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		08/14/23 11:58	08/15/23 00:59	1
Diesel Range Organics (Over C10-C28)	276		50.4		mg/Kg		08/14/23 11:58	08/15/23 00:59	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/14/23 11:58	08/15/23 00:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130				08/14/23 11:58	08/15/23 00:59	1
o-Terphenyl	121		70 - 130				08/14/23 11:58	08/15/23 00:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	345		5.03		mg/Kg			08/14/23 22:47	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 ReleaseJob ID: 880-31987-1
SDG: Lea County New Mexico

Client Sample ID: CS-40 (2')

Lab Sample ID: 880-31987-9

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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		08/14/23 14:54	08/15/23 01:17	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/14/23 14:54	08/15/23 01:17	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/14/23 14:54	08/15/23 01:17	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/14/23 14:54	08/15/23 01:17	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/14/23 14:54	08/15/23 01:17	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/14/23 14:54	08/15/23 01:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	08/14/23 14:54	08/15/23 01:17	1
1,4-Difluorobenzene (Surr)	69	S1-	70 - 130	08/14/23 14:54	08/15/23 01:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/15/23 10:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	139		50.1		mg/Kg			08/15/23 12:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		08/14/23 11:58	08/15/23 01:21	1
Diesel Range Organics (Over C10-C28)	139		50.1		mg/Kg		08/14/23 11:58	08/15/23 01:21	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		08/14/23 11:58	08/15/23 01:21	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	148	S1+	70 - 130	08/14/23 11:58	08/15/23 01:21	1			
o-Terphenyl	127		70 - 130	08/14/23 11:58	08/15/23 01:21	1			

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	493		5.04		mg/Kg			08/14/23 22:54	1

Client Sample ID: CS-41 (2')

Lab Sample ID: 880-31987-10

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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		08/14/23 14:54	08/15/23 01:37	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/14/23 14:54	08/15/23 01:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/14/23 14:54	08/15/23 01:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/14/23 14:54	08/15/23 01:37	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/14/23 14:54	08/15/23 01:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/14/23 14:54	08/15/23 01:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	08/14/23 14:54	08/15/23 01:37	1
1,4-Difluorobenzene (Surr)	57	S1-	70 - 130	08/14/23 14:54	08/15/23 01:37	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31987-1
 SDG: Lea County New Mexico

Client Sample ID: CS-41 (2')

Lab Sample ID: 880-31987-10

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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			08/15/23 10:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	70.1		49.8		mg/Kg			08/15/23 12:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/14/23 11:58	08/15/23 01:43	1
Diesel Range Organics (Over C10-C28)	70.1		49.8		mg/Kg		08/14/23 11:58	08/15/23 01:43	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/14/23 11:58	08/15/23 01:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	153	S1+	70 - 130				08/14/23 11:58	08/15/23 01:43	1
o-Terphenyl	132	S1+	70 - 130				08/14/23 11:58	08/15/23 01:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	543		4.99		mg/Kg			08/14/23 23:02	1

Client Sample ID: CS-42 (2')

Lab Sample ID: 880-31987-11

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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		08/14/23 14:54	08/15/23 03:40	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/14/23 14:54	08/15/23 03:40	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/14/23 14:54	08/15/23 03:40	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/14/23 14:54	08/15/23 03:40	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/14/23 14:54	08/15/23 03:40	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/14/23 14:54	08/15/23 03:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				08/14/23 14:54	08/15/23 03:40	1
1,4-Difluorobenzene (Surr)	77		70 - 130				08/14/23 14:54	08/15/23 03:40	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			08/15/23 10:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	166		49.6		mg/Kg			08/15/23 12:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		08/14/23 11:58	08/15/23 02:26	1
Diesel Range Organics (Over C10-C28)	166		49.6		mg/Kg		08/14/23 11:58	08/15/23 02:26	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 ReleaseJob ID: 880-31987-1
SDG: Lea County New Mexico

Client Sample ID: CS-42 (2')

Lab Sample ID: 880-31987-11

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/14/23 11:58	08/15/23 02:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	144	S1+	70 - 130	08/14/23 11:58	08/15/23 02:26	1
o-Terphenyl	123		70 - 130	08/14/23 11:58	08/15/23 02:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	146		5.00		mg/Kg			08/14/23 23:09	1

Client Sample ID: CS-70 (2.5')

Lab Sample ID: 880-31987-12

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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		08/14/23 14:54	08/15/23 04:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/14/23 14:54	08/15/23 04:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/14/23 14:54	08/15/23 04:01	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/14/23 14:54	08/15/23 04:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/14/23 14:54	08/15/23 04:01	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/14/23 14:54	08/15/23 04:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	08/14/23 14:54	08/15/23 04:01	1
1,4-Difluorobenzene (Surr)	96		70 - 130	08/14/23 14:54	08/15/23 04:01	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			08/15/23 10:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/15/23 12:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/14/23 11:58	08/15/23 02:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/14/23 11:58	08/15/23 02:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/14/23 11:58	08/15/23 02:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	145	S1+	70 - 130	08/14/23 11:58	08/15/23 02:48	1
o-Terphenyl	133	S1+	70 - 130	08/14/23 11:58	08/15/23 02:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	483		5.04		mg/Kg			08/14/23 23:30	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 ReleaseJob ID: 880-31987-1
SDG: Lea County New Mexico

Client Sample ID: CS-71 (2.5')

Lab Sample ID: 880-31987-13

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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		08/14/23 14:54	08/15/23 04:21	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/14/23 14:54	08/15/23 04:21	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/14/23 14:54	08/15/23 04:21	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/14/23 14:54	08/15/23 04:21	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/14/23 14:54	08/15/23 04:21	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/14/23 14:54	08/15/23 04:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	08/14/23 14:54	08/15/23 04:21	1
1,4-Difluorobenzene (Surr)	69	S1-	70 - 130	08/14/23 14:54	08/15/23 04:21	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			08/15/23 10:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			08/15/23 12:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		08/14/23 11:58	08/15/23 03:09	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		08/14/23 11:58	08/15/23 03:09	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		08/14/23 11:58	08/15/23 03:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	08/14/23 11:58	08/15/23 03:09	1
o-Terphenyl	102		70 - 130	08/14/23 11:58	08/15/23 03:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	149		4.97		mg/Kg			08/14/23 23:37	1

Client Sample ID: CS-72 (2.5')

Lab Sample ID: 880-31987-14

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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		08/14/23 14:54	08/15/23 04:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/14/23 14:54	08/15/23 04:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/14/23 14:54	08/15/23 04:42	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/14/23 14:54	08/15/23 04:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/14/23 14:54	08/15/23 04:42	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/14/23 14:54	08/15/23 04:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	08/14/23 14:54	08/15/23 04:42	1
1,4-Difluorobenzene (Surr)	74		70 - 130	08/14/23 14:54	08/15/23 04:42	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 ReleaseJob ID: 880-31987-1
SDG: Lea County New Mexico

Client Sample ID: CS-72 (2.5')

Lab Sample ID: 880-31987-14

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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			08/15/23 10:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			08/15/23 12:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		08/14/23 11:58	08/15/23 03:31	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		08/14/23 11:58	08/15/23 03:31	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		08/14/23 11:58	08/15/23 03:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	142	S1+	70 - 130	08/14/23 11:58	08/15/23 03:31	1
o-Terphenyl	124		70 - 130	08/14/23 11:58	08/15/23 03:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	75.3		4.96		mg/Kg			08/14/23 23:59	1

Client Sample ID: CS-73 (2.5')

Lab Sample ID: 880-31987-15

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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		08/14/23 14:54	08/15/23 05:02	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/14/23 14:54	08/15/23 05:02	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/14/23 14:54	08/15/23 05:02	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		08/14/23 14:54	08/15/23 05:02	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/14/23 14:54	08/15/23 05:02	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		08/14/23 14:54	08/15/23 05:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130	08/14/23 14:54	08/15/23 05:02	1
1,4-Difluorobenzene (Surr)	73		70 - 130	08/14/23 14:54	08/15/23 05:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			08/15/23 10:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	51.8		50.0		mg/Kg			08/15/23 12:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/14/23 11:58	08/15/23 03:52	1
Diesel Range Organics (Over C10-C28)	51.8		50.0		mg/Kg		08/14/23 11:58	08/15/23 03:52	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 ReleaseJob ID: 880-31987-1
SDG: Lea County New Mexico

Client Sample ID: CS-73 (2.5')

Lab Sample ID: 880-31987-15

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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		08/14/23 11:58	08/15/23 03:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	146	S1+	70 - 130				08/14/23 11:58	08/15/23 03:52	1
o-Terphenyl	137	S1+	70 - 130				08/14/23 11:58	08/15/23 03:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	349		5.01		mg/Kg			08/15/23 00:06	1

Client Sample ID: CS-74 (2.5')

Lab Sample ID: 880-31987-16

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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		08/14/23 14:54	08/15/23 05:22	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/14/23 14:54	08/15/23 05:22	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/14/23 14:54	08/15/23 05:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/14/23 14:54	08/15/23 05:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/14/23 14:54	08/15/23 05:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/14/23 14:54	08/15/23 05:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				08/14/23 14:54	08/15/23 05:22	1
1,4-Difluorobenzene (Surr)	77		70 - 130				08/14/23 14:54	08/15/23 05:22	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			08/15/23 10:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/15/23 12:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/14/23 11:58	08/15/23 04:14	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/14/23 11:58	08/15/23 04:14	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/14/23 11:58	08/15/23 04:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	143	S1+	70 - 130				08/14/23 11:58	08/15/23 04:14	1
o-Terphenyl	138	S1+	70 - 130				08/14/23 11:58	08/15/23 04:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	69.1		4.95		mg/Kg			08/15/23 00:13	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 ReleaseJob ID: 880-31987-1
SDG: Lea County New Mexico

Client Sample ID: CS-75 (2.5')

Lab Sample ID: 880-31987-17

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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		08/14/23 14:54	08/15/23 05:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/14/23 14:54	08/15/23 05:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/14/23 14:54	08/15/23 05:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/14/23 14:54	08/15/23 05:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/14/23 14:54	08/15/23 05:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/14/23 14:54	08/15/23 05:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130	08/14/23 14:54	08/15/23 05:43	1
1,4-Difluorobenzene (Surr)	90		70 - 130	08/14/23 14:54	08/15/23 05:43	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			08/15/23 10:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			08/15/23 12:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/14/23 11:58	08/15/23 04:35	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/14/23 11:58	08/15/23 04:35	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/14/23 11:58	08/15/23 04:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	152	S1+	70 - 130	08/14/23 11:58	08/15/23 04:35	1
o-Terphenyl	143	S1+	70 - 130	08/14/23 11:58	08/15/23 04:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	596		5.02		mg/Kg			08/15/23 00:20	1

Client Sample ID: CS-76 (2.5')

Lab Sample ID: 880-31987-18

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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		08/14/23 14:54	08/15/23 06:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/14/23 14:54	08/15/23 06:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/14/23 14:54	08/15/23 06:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/14/23 14:54	08/15/23 06:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/14/23 14:54	08/15/23 06:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/14/23 14:54	08/15/23 06:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	08/14/23 14:54	08/15/23 06:03	1
1,4-Difluorobenzene (Surr)	51	S1-	70 - 130	08/14/23 14:54	08/15/23 06:03	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 ReleaseJob ID: 880-31987-1
SDG: Lea County New Mexico

Client Sample ID: CS-76 (2.5')

Lab Sample ID: 880-31987-18

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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			08/15/23 10:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/15/23 12:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/14/23 11:58	08/15/23 04:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/14/23 11:58	08/15/23 04:57	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/14/23 11:58	08/15/23 04:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	170	S1+	70 - 130	08/14/23 11:58	08/15/23 04:57	1
o-Terphenyl	159	S1+	70 - 130	08/14/23 11:58	08/15/23 04:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	198		5.04		mg/Kg			08/15/23 00:27	1

Client Sample ID: CS-77 (2.5')

Lab Sample ID: 880-31987-19

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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		08/14/23 14:54	08/15/23 06:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/14/23 14:54	08/15/23 06:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/14/23 14:54	08/15/23 06:24	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/14/23 14:54	08/15/23 06:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/14/23 14:54	08/15/23 06:24	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/14/23 14:54	08/15/23 06:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	08/14/23 14:54	08/15/23 06:24	1
1,4-Difluorobenzene (Surr)	87		70 - 130	08/14/23 14:54	08/15/23 06:24	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			08/15/23 10:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			08/15/23 12:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		08/14/23 11:58	08/15/23 05:18	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		08/14/23 11:58	08/15/23 05:18	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31987-1
 SDG: Lea County New Mexico

Client Sample ID: CS-77 (2.5')

Lab Sample ID: 880-31987-19

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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)	<50.3	U	50.3		mg/Kg		08/14/23 11:58	08/15/23 05:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	157	S1+	70 - 130				08/14/23 11:58	08/15/23 05:18	1
o-Terphenyl	148	S1+	70 - 130				08/14/23 11:58	08/15/23 05:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	386		4.98		mg/Kg			08/15/23 00:35	1

Client Sample ID: CS-78 (2.5')

Lab Sample ID: 880-31987-20

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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		08/14/23 14:54	08/15/23 06:44	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/14/23 14:54	08/15/23 06:44	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/14/23 14:54	08/15/23 06:44	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/14/23 14:54	08/15/23 06:44	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/14/23 14:54	08/15/23 06:44	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/14/23 14:54	08/15/23 06:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				08/14/23 14:54	08/15/23 06:44	1
1,4-Difluorobenzene (Surr)	86		70 - 130				08/14/23 14:54	08/15/23 06:44	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			08/15/23 10:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			08/15/23 12:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		08/14/23 11:58	08/15/23 05:40	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		08/14/23 11:58	08/15/23 05:40	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		08/14/23 11:58	08/15/23 05:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130				08/14/23 11:58	08/15/23 05:40	1
o-Terphenyl	115		70 - 130				08/14/23 11:58	08/15/23 05:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	366		4.97		mg/Kg			08/15/23 00:42	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 ReleaseJob ID: 880-31987-1
SDG: Lea County New Mexico

Client Sample ID: CS-79 (2.5')

Lab Sample ID: 880-31987-21

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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		08/14/23 14:57	08/15/23 01:16	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/14/23 14:57	08/15/23 01:16	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/14/23 14:57	08/15/23 01:16	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/14/23 14:57	08/15/23 01:16	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/14/23 14:57	08/15/23 01:16	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/14/23 14:57	08/15/23 01:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	72		70 - 130	08/14/23 14:57	08/15/23 01:16	1
1,4-Difluorobenzene (Surr)	101		70 - 130	08/14/23 14:57	08/15/23 01:16	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			08/15/23 10:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/15/23 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	<49.8	U	49.8		mg/Kg		08/14/23 12:01	08/14/23 21:40	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/14/23 12:01	08/14/23 21:40	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/14/23 12:01	08/14/23 21:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130	08/14/23 12:01	08/14/23 21:40	1
o-Terphenyl	125		70 - 130	08/14/23 12:01	08/14/23 21:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	207		5.04		mg/Kg			08/14/23 21:45	1

Client Sample ID: CS-80 (2.5')

Lab Sample ID: 880-31987-22

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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		08/14/23 14:57	08/15/23 01:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/14/23 14:57	08/15/23 01:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/14/23 14:57	08/15/23 01:37	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/14/23 14:57	08/15/23 01:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/14/23 14:57	08/15/23 01:37	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/14/23 14:57	08/15/23 01:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130	08/14/23 14:57	08/15/23 01:37	1
1,4-Difluorobenzene (Surr)	102		70 - 130	08/14/23 14:57	08/15/23 01:37	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31987-1
 SDG: Lea County New Mexico

Client Sample ID: CS-80 (2.5')

Lab Sample ID: 880-31987-22

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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			08/15/23 10:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			08/15/23 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	<50.2	U	50.2		mg/Kg		08/14/23 12:01	08/14/23 22:47	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		08/14/23 12:01	08/14/23 22:47	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		08/14/23 12:01	08/14/23 22:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	08/14/23 12:01	08/14/23 22:47	1
o-Terphenyl	111		70 - 130	08/14/23 12:01	08/14/23 22:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	677		5.02		mg/Kg			08/14/23 22:07	1

Client Sample ID: CS-81 (2.5')

Lab Sample ID: 880-31987-23

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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		08/14/23 14:57	08/15/23 01:57	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/14/23 14:57	08/15/23 01:57	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/14/23 14:57	08/15/23 01:57	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		08/14/23 14:57	08/15/23 01:57	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/14/23 14:57	08/15/23 01:57	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		08/14/23 14:57	08/15/23 01:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	08/14/23 14:57	08/15/23 01:57	1
1,4-Difluorobenzene (Surr)	107		70 - 130	08/14/23 14:57	08/15/23 01:57	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			08/15/23 10:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			08/15/23 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	<49.7	U	49.7		mg/Kg		08/14/23 12:01	08/14/23 23:10	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/14/23 12:01	08/14/23 23:10	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31987-1
 SDG: Lea County New Mexico

Client Sample ID: CS-81 (2.5')

Lab Sample ID: 880-31987-23

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/14/23 12:01	08/14/23 23:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				08/14/23 12:01	08/14/23 23:10	1
o-Terphenyl	111		70 - 130				08/14/23 12:01	08/14/23 23:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	79.1		5.00		mg/Kg			08/14/23 22:14	1

Client Sample ID: CS-82 (2.5')

Lab Sample ID: 880-31987-24

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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		08/14/23 14:57	08/15/23 02:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/14/23 14:57	08/15/23 02:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/14/23 14:57	08/15/23 02:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/14/23 14:57	08/15/23 02:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/14/23 14:57	08/15/23 02:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/14/23 14:57	08/15/23 02:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130				08/14/23 14:57	08/15/23 02:18	1
1,4-Difluorobenzene (Surr)	101		70 - 130				08/14/23 14:57	08/15/23 02:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/15/23 10:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	93.0		49.6		mg/Kg			08/15/23 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	<49.6	U	49.6		mg/Kg		08/14/23 12:01	08/14/23 23:33	1
Diesel Range Organics (Over C10-C28)	93.0		49.6		mg/Kg		08/14/23 12:01	08/14/23 23:33	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/14/23 12:01	08/14/23 23:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				08/14/23 12:01	08/14/23 23:33	1
o-Terphenyl	96		70 - 130				08/14/23 12:01	08/14/23 23:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	285		4.97		mg/Kg			08/14/23 22:21	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 ReleaseJob ID: 880-31987-1
SDG: Lea County New Mexico

Client Sample ID: CS-83 (2.5')

Lab Sample ID: 880-31987-25

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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		08/14/23 14:57	08/15/23 02:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/14/23 14:57	08/15/23 02:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/14/23 14:57	08/15/23 02:38	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/14/23 14:57	08/15/23 02:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/14/23 14:57	08/15/23 02:38	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/14/23 14:57	08/15/23 02:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130	08/14/23 14:57	08/15/23 02:38	1
1,4-Difluorobenzene (Surr)	104		70 - 130	08/14/23 14:57	08/15/23 02:38	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			08/15/23 10:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			08/15/23 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	<50.1	U	50.1		mg/Kg		08/14/23 12:01	08/14/23 23:54	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		08/14/23 12:01	08/14/23 23:54	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		08/14/23 12:01	08/14/23 23:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130	08/14/23 12:01	08/14/23 23:54	1
o-Terphenyl	134	S1+	70 - 130	08/14/23 12:01	08/14/23 23:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	317		4.98		mg/Kg			08/14/23 22:28	1

Client Sample ID: CS-84 (2.5')

Lab Sample ID: 880-31987-26

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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		08/14/23 14:57	08/15/23 02:58	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/14/23 14:57	08/15/23 02:58	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/14/23 14:57	08/15/23 02:58	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/14/23 14:57	08/15/23 02:58	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/14/23 14:57	08/15/23 02:58	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/14/23 14:57	08/15/23 02:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	08/14/23 14:57	08/15/23 02:58	1
1,4-Difluorobenzene (Surr)	103		70 - 130	08/14/23 14:57	08/15/23 02:58	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 ReleaseJob ID: 880-31987-1
SDG: Lea County New Mexico

Client Sample ID: CS-84 (2.5')

Lab Sample ID: 880-31987-26

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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			08/15/23 10:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/15/23 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	49.9		mg/Kg		08/14/23 12:01	08/15/23 00:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/14/23 12:01	08/15/23 00:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/14/23 12:01	08/15/23 00:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	168	S1+	70 - 130	08/14/23 12:01	08/15/23 00:16	1
o-Terphenyl	163	S1+	70 - 130	08/14/23 12:01	08/15/23 00:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	464		5.03		mg/Kg			08/14/23 22:50	1

Client Sample ID: CS-85 (2.5')

Lab Sample ID: 880-31987-27

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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		08/14/23 14:57	08/15/23 03:19	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/14/23 14:57	08/15/23 03:19	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/14/23 14:57	08/15/23 03:19	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/14/23 14:57	08/15/23 03:19	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/14/23 14:57	08/15/23 03:19	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/14/23 14:57	08/15/23 03:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	08/14/23 14:57	08/15/23 03:19	1
1,4-Difluorobenzene (Surr)	108		70 - 130	08/14/23 14:57	08/15/23 03:19	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/15/23 10:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			08/15/23 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	<50.3	U	50.3		mg/Kg		08/14/23 12:01	08/15/23 00:38	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		08/14/23 12:01	08/15/23 00:38	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 ReleaseJob ID: 880-31987-1
SDG: Lea County New Mexico

Client Sample ID: CS-85 (2.5')

Lab Sample ID: 880-31987-27

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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)	<50.3	U	50.3		mg/Kg		08/14/23 12:01	08/15/23 00:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	244	S1+	70 - 130	08/14/23 12:01	08/15/23 00:38	1
o-Terphenyl	242	S1+	70 - 130	08/14/23 12:01	08/15/23 00:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	239		5.04		mg/Kg			08/14/23 22:57	1

Client Sample ID: CS-86 (2.5')

Lab Sample ID: 880-31987-28

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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		08/14/23 14:57	08/15/23 03:39	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/14/23 14:57	08/15/23 03:39	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/14/23 14:57	08/15/23 03:39	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/14/23 14:57	08/15/23 03:39	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/14/23 14:57	08/15/23 03:39	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/14/23 14:57	08/15/23 03:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	08/14/23 14:57	08/15/23 03:39	1
1,4-Difluorobenzene (Surr)	107		70 - 130	08/14/23 14:57	08/15/23 03:39	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			08/15/23 10:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			08/15/23 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	<50.4	U	50.4		mg/Kg		08/14/23 12:01	08/15/23 00:59	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		08/14/23 12:01	08/15/23 00:59	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/14/23 12:01	08/15/23 00:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130	08/14/23 12:01	08/15/23 00:59	1
o-Terphenyl	136	S1+	70 - 130	08/14/23 12:01	08/15/23 00:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	503		4.99		mg/Kg			08/14/23 23:04	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 ReleaseJob ID: 880-31987-1
SDG: Lea County New Mexico

Client Sample ID: CS-87 (2.5')

Lab Sample ID: 880-31987-29

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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		08/14/23 14:57	08/15/23 04:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/14/23 14:57	08/15/23 04:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/14/23 14:57	08/15/23 04:00	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/14/23 14:57	08/15/23 04:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/14/23 14:57	08/15/23 04:00	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/14/23 14:57	08/15/23 04:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	08/14/23 14:57	08/15/23 04:00	1
1,4-Difluorobenzene (Surr)	105		70 - 130	08/14/23 14:57	08/15/23 04:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/15/23 10:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			08/15/23 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	<50.5	U	50.5		mg/Kg		08/14/23 12:01	08/15/23 01:21	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		08/14/23 12:01	08/15/23 01:21	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		08/14/23 12:01	08/15/23 01:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	137	S1+	70 - 130	08/14/23 12:01	08/15/23 01:21	1
o-Terphenyl	136	S1+	70 - 130	08/14/23 12:01	08/15/23 01:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	420		4.96		mg/Kg			08/14/23 23:11	1

Client Sample ID: CS-88 (2.5')

Lab Sample ID: 880-31987-30

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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		08/14/23 14:57	08/15/23 04:20	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/14/23 14:57	08/15/23 04:20	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/14/23 14:57	08/15/23 04:20	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/14/23 14:57	08/15/23 04:20	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/14/23 14:57	08/15/23 04:20	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/14/23 14:57	08/15/23 04:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	08/14/23 14:57	08/15/23 04:20	1
1,4-Difluorobenzene (Surr)	107		70 - 130	08/14/23 14:57	08/15/23 04:20	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 ReleaseJob ID: 880-31987-1
SDG: Lea County New Mexico

Client Sample ID: CS-88 (2.5')

Lab Sample ID: 880-31987-30

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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			08/15/23 10:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			08/15/23 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	<49.6	U	49.6		mg/Kg		08/14/23 12:01	08/15/23 01:43	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		08/14/23 12:01	08/15/23 01:43	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/14/23 12:01	08/15/23 01:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	142	S1+	70 - 130	08/14/23 12:01	08/15/23 01:43	1
o-Terphenyl	141	S1+	70 - 130	08/14/23 12:01	08/15/23 01:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	331		4.98		mg/Kg			08/14/23 23:18	1

Client Sample ID: CS-89 (2.5')

Lab Sample ID: 880-31987-31

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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		08/14/23 14:57	08/15/23 06:10	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/14/23 14:57	08/15/23 06:10	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/14/23 14:57	08/15/23 06:10	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/14/23 14:57	08/15/23 06:10	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/14/23 14:57	08/15/23 06:10	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/14/23 14:57	08/15/23 06:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	70		70 - 130	08/14/23 14:57	08/15/23 06:10	1
1,4-Difluorobenzene (Surr)	96		70 - 130	08/14/23 14:57	08/15/23 06:10	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			08/15/23 10:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			08/15/23 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	<49.7	U	49.7		mg/Kg		08/14/23 12:01	08/15/23 02:26	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/14/23 12:01	08/15/23 02:26	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31987-1
 SDG: Lea County New Mexico

Client Sample ID: CS-89 (2.5')

Lab Sample ID: 880-31987-31

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/14/23 12:01	08/15/23 02:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				08/14/23 12:01	08/15/23 02:26	1
o-Terphenyl	126		70 - 130				08/14/23 12:01	08/15/23 02:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	461		5.01		mg/Kg			08/14/23 23:25	1

Client Sample ID: CS-90 (2.5')

Lab Sample ID: 880-31987-32

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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		08/14/23 14:57	08/15/23 06:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/14/23 14:57	08/15/23 06:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/14/23 14:57	08/15/23 06:31	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/14/23 14:57	08/15/23 06:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/14/23 14:57	08/15/23 06:31	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/14/23 14:57	08/15/23 06:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				08/14/23 14:57	08/15/23 06:31	1
1,4-Difluorobenzene (Surr)	101		70 - 130				08/14/23 14:57	08/15/23 06:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/15/23 10:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	54.5		49.5		mg/Kg			08/15/23 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	<49.5	U	49.5		mg/Kg		08/14/23 12:01	08/15/23 02:48	1
Diesel Range Organics (Over C10-C28)	54.5		49.5		mg/Kg		08/14/23 12:01	08/15/23 02:48	1
Oil Range Organics (Over C28-C36)	<49.5	U	49.5		mg/Kg		08/14/23 12:01	08/15/23 02:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130				08/14/23 12:01	08/15/23 02:48	1
o-Terphenyl	123		70 - 130				08/14/23 12:01	08/15/23 02:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	253		4.97		mg/Kg			08/14/23 23:47	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 ReleaseJob ID: 880-31987-1
SDG: Lea County New Mexico

Client Sample ID: CS-91 (2.5')

Lab Sample ID: 880-31987-33

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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		08/14/23 14:57	08/15/23 06:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/14/23 14:57	08/15/23 06:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/14/23 14:57	08/15/23 06:51	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/14/23 14:57	08/15/23 06:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/14/23 14:57	08/15/23 06:51	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/14/23 14:57	08/15/23 06:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130	08/14/23 14:57	08/15/23 06:51	1
1,4-Difluorobenzene (Surr)	102		70 - 130	08/14/23 14:57	08/15/23 06:51	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			08/15/23 10:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			08/15/23 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	<50.3	U	50.3		mg/Kg		08/14/23 12:01	08/15/23 03:09	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		08/14/23 12:01	08/15/23 03:09	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		08/14/23 12:01	08/15/23 03:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130	08/14/23 12:01	08/15/23 03:09	1
o-Terphenyl	125		70 - 130	08/14/23 12:01	08/15/23 03:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	579		4.97		mg/Kg			08/14/23 23:54	1

Client Sample ID: SW-25 (2.5')

Lab Sample ID: 880-31987-34

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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		08/14/23 14:57	08/15/23 07:12	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/14/23 14:57	08/15/23 07:12	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/14/23 14:57	08/15/23 07:12	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		08/14/23 14:57	08/15/23 07:12	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/14/23 14:57	08/15/23 07:12	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		08/14/23 14:57	08/15/23 07:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	08/14/23 14:57	08/15/23 07:12	1
1,4-Difluorobenzene (Surr)	104		70 - 130	08/14/23 14:57	08/15/23 07:12	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31987-1
 SDG: Lea County New Mexico

Client Sample ID: SW-25 (2.5')

Lab Sample ID: 880-31987-34

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			08/15/23 10:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			08/15/23 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	<50.2	U	50.2		mg/Kg		08/14/23 12:01	08/15/23 03:31	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		08/14/23 12:01	08/15/23 03:31	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		08/14/23 12:01	08/15/23 03:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130	08/14/23 12:01	08/15/23 03:31	1
o-Terphenyl	123		70 - 130	08/14/23 12:01	08/15/23 03:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	220		5.00		mg/Kg			08/15/23 00:16	1

Client Sample ID: SW-26 (2.5')

Lab Sample ID: 880-31987-35

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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		08/14/23 14:57	08/15/23 07:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/14/23 14:57	08/15/23 07:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/14/23 14:57	08/15/23 07:32	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/14/23 14:57	08/15/23 07:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/14/23 14:57	08/15/23 07:32	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/14/23 14:57	08/15/23 07:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	08/14/23 14:57	08/15/23 07:32	1
1,4-Difluorobenzene (Surr)	103		70 - 130	08/14/23 14:57	08/15/23 07:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			08/15/23 10:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	72.2		50.1		mg/Kg			08/15/23 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	<50.1	U	50.1		mg/Kg		08/14/23 12:01	08/15/23 03:52	1
Diesel Range Organics (Over C10-C28)	72.2		50.1		mg/Kg		08/14/23 12:01	08/15/23 03:52	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 ReleaseJob ID: 880-31987-1
SDG: Lea County New Mexico

Client Sample ID: SW-26 (2.5')

Lab Sample ID: 880-31987-35

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		08/14/23 12:01	08/15/23 03:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130				08/14/23 12:01	08/15/23 03:52	1
o-Terphenyl	130		70 - 130				08/14/23 12:01	08/15/23 03:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	165		5.02		mg/Kg			08/15/23 00:23	1

Client Sample ID: SW-27 (2.5')

Lab Sample ID: 880-31987-36

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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		08/14/23 14:57	08/15/23 07:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/14/23 14:57	08/15/23 07:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/14/23 14:57	08/15/23 07:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/14/23 14:57	08/15/23 07:53	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/14/23 14:57	08/15/23 07:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/14/23 14:57	08/15/23 07:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				08/14/23 14:57	08/15/23 07:53	1
1,4-Difluorobenzene (Surr)	102		70 - 130				08/14/23 14:57	08/15/23 07:53	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/15/23 10:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			08/15/23 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	<49.7	U	49.7		mg/Kg		08/14/23 12:01	08/15/23 04:14	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/14/23 12:01	08/15/23 04:14	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/14/23 12:01	08/15/23 04:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130				08/14/23 12:01	08/15/23 04:14	1
o-Terphenyl	124		70 - 130				08/14/23 12:01	08/15/23 04:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	420		5.01		mg/Kg			08/15/23 00:30	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 ReleaseJob ID: 880-31987-1
SDG: Lea County New Mexico

Client Sample ID: SW-28 (2.5')

Lab Sample ID: 880-31987-37

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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		08/14/23 14:57	08/15/23 08:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/14/23 14:57	08/15/23 08:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/14/23 14:57	08/15/23 08:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/14/23 14:57	08/15/23 08:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/14/23 14:57	08/15/23 08:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/14/23 14:57	08/15/23 08:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	08/14/23 14:57	08/15/23 08:13	1
1,4-Difluorobenzene (Surr)	99		70 - 130	08/14/23 14:57	08/15/23 08:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/15/23 10:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	129		50.0		mg/Kg			08/15/23 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	50.0		mg/Kg		08/14/23 12:01	08/15/23 04:35	1
Diesel Range Organics (Over C10-C28)	129		50.0		mg/Kg		08/14/23 12:01	08/15/23 04:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/14/23 12:01	08/15/23 04:35	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	136	S1+	70 - 130	08/14/23 12:01	08/15/23 04:35	1			
o-Terphenyl	129		70 - 130	08/14/23 12:01	08/15/23 04:35	1			

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	325		5.03		mg/Kg			08/15/23 00:37	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-31987-1
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)
880-31987-1	CS-25 (2')	90	63 S1-
880-31987-1 MS	CS-25 (2')	107	116
880-31987-1 MSD	CS-25 (2')	118	122
880-31987-2	CS-26 (2')	170 S1+	116
880-31987-3	CS-27 (2')	190 S1+	138 S1+
880-31987-4	CS-28 (2')	87	83
880-31987-5	CS-30 (2')	87	67 S1-
880-31987-6	CS-37 (2')	92	54 S1-
880-31987-7	CS-38 (2')	96	56 S1-
880-31987-8	CS-39 (2')	78	67 S1-
880-31987-9	CS-40 (2')	96	69 S1-
880-31987-10	CS-41 (2')	94	57 S1-
880-31987-11	CS-42 (2')	88	77
880-31987-12	CS-70 (2.5')	116	96
880-31987-13	CS-71 (2.5')	90	69 S1-
880-31987-14	CS-72 (2.5')	94	74
880-31987-15	CS-73 (2.5')	83	73
880-31987-16	CS-74 (2.5')	94	77
880-31987-17	CS-75 (2.5')	78	90
880-31987-18	CS-76 (2.5')	90	51 S1-
880-31987-19	CS-77 (2.5')	93	87
880-31987-20	CS-78 (2.5')	91	86
880-31987-21	CS-79 (2.5')	72	101
880-31987-21 MS	CS-79 (2.5')	90	101
880-31987-21 MSD	CS-79 (2.5')	89	96
880-31987-22	CS-80 (2.5')	82	102
880-31987-23	CS-81 (2.5')	91	107
880-31987-24	CS-82 (2.5')	83	101
880-31987-25	CS-83 (2.5')	82	104
880-31987-26	CS-84 (2.5')	84	103
880-31987-27	CS-85 (2.5')	84	108
880-31987-28	CS-86 (2.5')	95	107
880-31987-29	CS-87 (2.5')	85	105
880-31987-30	CS-88 (2.5')	95	107
880-31987-31	CS-89 (2.5')	70	96
880-31987-32	CS-90 (2.5')	88	101
880-31987-33	CS-91 (2.5')	83	102
880-31987-34	SW-25 (2.5')	84	104
880-31987-35	SW-26 (2.5')	96	103
880-31987-36	SW-27 (2.5')	100	102
880-31987-37	SW-28 (2.5')	98	99
LCS 880-60125/1-A	Lab Control Sample	114	118
LCS 880-60126/1-A	Lab Control Sample	76	95
LCSD 880-60125/2-A	Lab Control Sample Dup	113	122
LCSD 880-60126/2-A	Lab Control Sample Dup	81	99
MB 880-60094/5-A	Method Blank	68 S1-	97
MB 880-60096/5-A	Method Blank	97	126
MB 880-60125/5-A	Method Blank	69 S1-	94
MB 880-60126/5-A	Method Blank	101	135 S1+

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Surrogate Summary

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-31987-1
SDG: Lea County New Mexico

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-31987-1	CS-25 (2')	139 S1+	129
880-31987-1 MS	CS-25 (2')	147 S1+	125
880-31987-1 MSD	CS-25 (2')	137 S1+	112
880-31987-2	CS-26 (2')	141 S1+	119
880-31987-3	CS-27 (2')	136 S1+	97
880-31987-4	CS-28 (2')	174 S1+	157 S1+
880-31987-5	CS-30 (2')	139 S1+	125
880-31987-6	CS-37 (2')	136 S1+	125
880-31987-7	CS-38 (2')	130	112
880-31987-8	CS-39 (2')	132 S1+	121
880-31987-9	CS-40 (2')	148 S1+	127
880-31987-10	CS-41 (2')	153 S1+	132 S1+
880-31987-11	CS-42 (2')	144 S1+	123
880-31987-12	CS-70 (2.5')	145 S1+	133 S1+
880-31987-13	CS-71 (2.5')	113	102
880-31987-14	CS-72 (2.5')	142 S1+	124
880-31987-15	CS-73 (2.5')	146 S1+	137 S1+
880-31987-16	CS-74 (2.5')	143 S1+	138 S1+
880-31987-17	CS-75 (2.5')	152 S1+	143 S1+
880-31987-18	CS-76 (2.5')	170 S1+	159 S1+
880-31987-19	CS-77 (2.5')	157 S1+	148 S1+
880-31987-20	CS-78 (2.5')	128	115
880-31987-21	CS-79 (2.5')	125	125
880-31987-21 MS	CS-79 (2.5')	113	104
880-31987-21 MSD	CS-79 (2.5')	114	102
880-31987-22	CS-80 (2.5')	111	111
880-31987-23	CS-81 (2.5')	111	111
880-31987-24	CS-82 (2.5')	100	96
880-31987-25	CS-83 (2.5')	136 S1+	134 S1+
880-31987-26	CS-84 (2.5')	168 S1+	163 S1+
880-31987-27	CS-85 (2.5')	244 S1+	242 S1+
880-31987-28	CS-86 (2.5')	138 S1+	136 S1+
880-31987-29	CS-87 (2.5')	137 S1+	136 S1+
880-31987-30	CS-88 (2.5')	142 S1+	141 S1+
880-31987-31	CS-89 (2.5')	126	126
880-31987-32	CS-90 (2.5')	124	123
880-31987-33	CS-91 (2.5')	125	125
880-31987-34	SW-25 (2.5')	123	123
880-31987-35	SW-26 (2.5')	130	130
880-31987-36	SW-27 (2.5')	125	124
880-31987-37	SW-28 (2.5')	136 S1+	129
LCS 880-60113/2-A	Lab Control Sample	129	120
LCS 880-60114/2-A	Lab Control Sample	112	116
LCSD 880-60113/3-A	Lab Control Sample Dup	132 S1+	124
LCSD 880-60114/3-A	Lab Control Sample Dup	121	125
MB 880-60113/1-A	Method Blank	136 S1+	128

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Surrogate Summary

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-31987-1
SDG: Lea County New Mexico

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
MB 880-60114/1-A	Method Blank	116	116

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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

QC Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 ReleaseJob ID: 880-31987-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-60094/5-A
Matrix: Solid
Analysis Batch: 60080Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 60094

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		08/14/23 09:43	08/14/23 11:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/14/23 09:43	08/14/23 11:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/14/23 09:43	08/14/23 11:52	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/14/23 09:43	08/14/23 11:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/14/23 09:43	08/14/23 11:52	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/14/23 09:43	08/14/23 11:52	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	68	S1-	70 - 130	08/14/23 09:43	08/14/23 11:52	1
1,4-Difluorobenzene (Surr)	97		70 - 130	08/14/23 09:43	08/14/23 11:52	1

Lab Sample ID: MB 880-60096/5-A
Matrix: Solid
Analysis Batch: 60079Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 60096

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		08/14/23 10:03	08/14/23 12:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/14/23 10:03	08/14/23 12:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/14/23 10:03	08/14/23 12:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/14/23 10:03	08/14/23 12:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/14/23 10:03	08/14/23 12:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/14/23 10:03	08/14/23 12:54	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	97		70 - 130	08/14/23 10:03	08/14/23 12:54	1
1,4-Difluorobenzene (Surr)	126		70 - 130	08/14/23 10:03	08/14/23 12:54	1

Lab Sample ID: MB 880-60125/5-A
Matrix: Solid
Analysis Batch: 60080Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 60125

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		08/14/23 14:54	08/14/23 22:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/14/23 14:54	08/14/23 22:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/14/23 14:54	08/14/23 22:52	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/14/23 14:54	08/14/23 22:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/14/23 14:54	08/14/23 22:52	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/14/23 14:54	08/14/23 22:52	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	69	S1-	70 - 130	08/14/23 14:54	08/14/23 22:52	1
1,4-Difluorobenzene (Surr)	94		70 - 130	08/14/23 14:54	08/14/23 22:52	1

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QC Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31987-1
 SDG: Lea County New Mexico

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

Lab Sample ID: LCS 880-60125/1-A
 Matrix: Solid
 Analysis Batch: 60080

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 60125

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1042		mg/Kg		104	70 - 130
Toluene	0.100	0.1162		mg/Kg		116	70 - 130
Ethylbenzene	0.100	0.1153		mg/Kg		115	70 - 130
m-Xylene & p-Xylene	0.200	0.2545		mg/Kg		127	70 - 130
o-Xylene	0.100	0.1243		mg/Kg		124	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	118		70 - 130

Lab Sample ID: LCSD 880-60125/2-A
 Matrix: Solid
 Analysis Batch: 60080

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 60125

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09370		mg/Kg		94	70 - 130	11	35
Toluene	0.100	0.1061		mg/Kg		106	70 - 130	9	35
Ethylbenzene	0.100	0.1011		mg/Kg		101	70 - 130	13	35
m-Xylene & p-Xylene	0.200	0.2229		mg/Kg		111	70 - 130	13	35
o-Xylene	0.100	0.1101		mg/Kg		110	70 - 130	12	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	122		70 - 130

Lab Sample ID: 880-31987-1 MS
 Matrix: Solid
 Analysis Batch: 60080

Client Sample ID: CS-25 (2')
 Prep Type: Total/NA
 Prep Batch: 60125

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0990	0.08945		mg/Kg		90	70 - 130
Toluene	<0.00199	U	0.0990	0.1004		mg/Kg		101	70 - 130
Ethylbenzene	<0.00199	U	0.0990	0.1004		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.198	0.2205		mg/Kg		111	70 - 130
o-Xylene	<0.00199	U	0.0990	0.1070		mg/Kg		108	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	116		70 - 130

Lab Sample ID: 880-31987-1 MSD
 Matrix: Solid
 Analysis Batch: 60080

Client Sample ID: CS-25 (2')
 Prep Type: Total/NA
 Prep Batch: 60125

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.101	0.09485		mg/Kg		94	70 - 130	6	35
Toluene	<0.00199	U	0.101	0.1064		mg/Kg		106	70 - 130	6	35
Ethylbenzene	<0.00199	U	0.101	0.1063		mg/Kg		106	70 - 130	6	35

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QC Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31987-1
 SDG: Lea County New Mexico

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

Lab Sample ID: 880-31987-1 MSD
Matrix: Solid
Analysis Batch: 60080

Client Sample ID: CS-25 (2')
Prep Type: Total/NA
Prep Batch: 60125

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00398	U	0.201	0.2332		mg/Kg		116	70 - 130	6	35
o-Xylene	<0.00199	U	0.101	0.1140		mg/Kg		113	70 - 130	6	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	118		70 - 130								
1,4-Difluorobenzene (Surr)	122		70 - 130								

Lab Sample ID: MB 880-60126/5-A
Matrix: Solid
Analysis Batch: 60079

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 60126

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/14/23 14:57	08/15/23 00:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/14/23 14:57	08/15/23 00:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/14/23 14:57	08/15/23 00:48	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/14/23 14:57	08/15/23 00:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/14/23 14:57	08/15/23 00:48	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/14/23 14:57	08/15/23 00:48	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				08/14/23 14:57	08/15/23 00:48	1
1,4-Difluorobenzene (Surr)	135	S1+	70 - 130				08/14/23 14:57	08/15/23 00:48	1

Lab Sample ID: LCS 880-60126/1-A
Matrix: Solid
Analysis Batch: 60079

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 60126

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1041		mg/Kg		104	70 - 130
Toluene	0.100	0.09940		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.07659		mg/Kg		77	70 - 130
m-Xylene & p-Xylene	0.200	0.1602		mg/Kg		80	70 - 130
o-Xylene	0.100	0.07714		mg/Kg		77	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	76		70 - 130				
1,4-Difluorobenzene (Surr)	95		70 - 130				

Lab Sample ID: LCSD 880-60126/2-A
Matrix: Solid
Analysis Batch: 60079

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 60126

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1017		mg/Kg		102	70 - 130	2	35
Toluene	0.100	0.09583		mg/Kg		96	70 - 130	4	35
Ethylbenzene	0.100	0.08153		mg/Kg		82	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.1687		mg/Kg		84	70 - 130	5	35
o-Xylene	0.100	0.08155		mg/Kg		82	70 - 130	6	35

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QC Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31987-1
 SDG: Lea County New Mexico

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

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	81		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 880-31987-21 MS
 Matrix: Solid
 Analysis Batch: 60079

Client Sample ID: CS-79 (2.5')
 Prep Type: Total/NA
 Prep Batch: 60126

Analyte	Sample	Sample	Spike	MS		Unit	D	%Rec	%Rec	Limits
	Result	Qualifier		Result	Qualifier					
Benzene	<0.00198	U	0.0996	0.1079		mg/Kg		108		70 - 130
Toluene	<0.00198	U	0.0996	0.1012		mg/Kg		102		70 - 130
Ethylbenzene	<0.00198	U	0.0996	0.08912		mg/Kg		89		70 - 130
m-Xylene & p-Xylene	<0.00396	U	0.199	0.1904		mg/Kg		96		70 - 130
o-Xylene	<0.00198	U	0.0996	0.09074		mg/Kg		91		70 - 130

Surrogate	MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	90		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-31987-21 MSD
 Matrix: Solid
 Analysis Batch: 60079

Client Sample ID: CS-79 (2.5')
 Prep Type: Total/NA
 Prep Batch: 60126

Analyte	Sample	Sample	Spike	MSD		Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier		Result	Qualifier						
Benzene	<0.00198	U	0.101	0.1025		mg/Kg		102		5	35
Toluene	<0.00198	U	0.101	0.09441		mg/Kg		94		7	35
Ethylbenzene	<0.00198	U	0.101	0.08246		mg/Kg		82		8	35
m-Xylene & p-Xylene	<0.00396	U	0.201	0.1870		mg/Kg		93		2	35
o-Xylene	<0.00198	U	0.101	0.09106		mg/Kg		91		0	35

Surrogate	MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	89		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

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

Lab Sample ID: MB 880-60113/1-A
 Matrix: Solid
 Analysis Batch: 60066

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 60113

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		08/14/23 11:58	08/14/23 20:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/14/23 11:58	08/14/23 20:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/14/23 11:58	08/14/23 20:33	1

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	136	S1+	70 - 130	08/14/23 11:58	08/14/23 20:33	1
o-Terphenyl	128		70 - 130	08/14/23 11:58	08/14/23 20:33	1

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QC Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31987-1
 SDG: Lea County New Mexico

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

Lab Sample ID: LCS 880-60113/2-A
Matrix: Solid
Analysis Batch: 60066

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 60113

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics (GRO)-C6-C10	1000	1059		mg/Kg		106	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	1000		mg/Kg		100	70 - 130	
		LCS	LCS					
Surrogate		%Recovery	Qualifier	Limits				
1-Chlorooctane		129		70 - 130				
o-Terphenyl		120		70 - 130				

Lab Sample ID: LCSD 880-60113/3-A
Matrix: Solid
Analysis Batch: 60066

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 60113

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1011		mg/Kg		101	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	1000	930.1		mg/Kg		93	70 - 130	7	20
		LCSD	LCSD						
Surrogate		%Recovery	Qualifier	Limits					
1-Chlorooctane		132	S1+	70 - 130					
o-Terphenyl		124		70 - 130					

Lab Sample ID: 880-31987-1 MS
Matrix: Solid
Analysis Batch: 60066

Client Sample ID: CS-25 (2')
Prep Type: Total/NA
Prep Batch: 60113

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	998	971.8		mg/Kg		95	70 - 130
Diesel Range Organics (Over C10-C28)	64.2		998	1330		mg/Kg		127	70 - 130
		MS	MS						
Surrogate		%Recovery	Qualifier	Limits					
1-Chlorooctane		147	S1+	70 - 130					
o-Terphenyl		125		70 - 130					

Lab Sample ID: 880-31987-1 MSD
Matrix: Solid
Analysis Batch: 60066

Client Sample ID: CS-25 (2')
Prep Type: Total/NA
Prep Batch: 60113

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	998	940.1		mg/Kg		92	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	64.2		998	1195		mg/Kg		113	70 - 130	11	20
		MSD	MSD								
Surrogate		%Recovery	Qualifier	Limits							
1-Chlorooctane		137	S1+	70 - 130							

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QC Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31987-1
 SDG: Lea County New Mexico

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

Lab Sample ID: 880-31987-1 MSD
Matrix: Solid
Analysis Batch: 60066

Client Sample ID: CS-25 (2')
Prep Type: Total/NA
Prep Batch: 60113

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
<i>o</i> -Terphenyl	112		70 - 130

Lab Sample ID: MB 880-60114/1-A
Matrix: Solid
Analysis Batch: 60068

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 60114

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		08/14/23 12:01	08/14/23 20:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/14/23 12:01	08/14/23 20:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/14/23 12:01	08/14/23 20:33	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	116		70 - 130	08/14/23 12:01	08/14/23 20:33	1
<i>o</i> -Terphenyl	116		70 - 130	08/14/23 12:01	08/14/23 20:33	1

Lab Sample ID: LCS 880-60114/2-A
Matrix: Solid
Analysis Batch: 60068

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 60114

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	1000	927.7		mg/Kg		93	70 - 130
Diesel Range Organics (Over C10-C28)	1000	913.9		mg/Kg		91	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	112		70 - 130
<i>o</i> -Terphenyl	116		70 - 130

Lab Sample ID: LCSD 880-60114/3-A
Matrix: Solid
Analysis Batch: 60068

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 60114

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec Limits	RPD	
		Result	Qualifier					RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	950.6		mg/Kg		95	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	942.6		mg/Kg		94	70 - 130	3	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	121		70 - 130
<i>o</i> -Terphenyl	125		70 - 130

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QC Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31987-1
 SDG: Lea County New Mexico

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

Lab Sample ID: 880-31987-21 MS
 Matrix: Solid
 Analysis Batch: 60068

Client Sample ID: CS-79 (2.5')
 Prep Type: Total/NA
 Prep Batch: 60114

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	1010	974.1		mg/Kg		94	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.8	U	1010	938.2		mg/Kg		90	70 - 130	
Surrogate	MS %Recovery	MS Qualifier	MS Limits							
1-Chlorooctane	113		70 - 130							
o-Terphenyl	104		70 - 130							

Lab Sample ID: 880-31987-21 MSD
 Matrix: Solid
 Analysis Batch: 60068

Client Sample ID: CS-79 (2.5')
 Prep Type: Total/NA
 Prep Batch: 60114

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	1010	978.5		mg/Kg		95	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<49.8	U	1010	939.6		mg/Kg		90	70 - 130	0	20
Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits								
1-Chlorooctane	114		70 - 130								
o-Terphenyl	102		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-60173/1-A
 Matrix: Solid
 Analysis Batch: 60262

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			08/14/23 21:08	1

Lab Sample ID: LCS 880-60173/2-A
 Matrix: Solid
 Analysis Batch: 60262

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	259.6		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-60173/3-A
 Matrix: Solid
 Analysis Batch: 60262

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	261.9		mg/Kg		105	90 - 110	1	20

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QC Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31987-1
 SDG: Lea County New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-31987-1 MS
 Matrix: Solid
 Analysis Batch: 60262

Client Sample ID: CS-25 (2')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	81.1		248	349.2		mg/Kg		108	90 - 110

Lab Sample ID: 880-31987-1 MSD
 Matrix: Solid
 Analysis Batch: 60262

Client Sample ID: CS-25 (2')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	81.1		248	350.1		mg/Kg		108	90 - 110	0	20

Lab Sample ID: 880-31987-11 MS
 Matrix: Solid
 Analysis Batch: 60262

Client Sample ID: CS-42 (2')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	146		250	417.4		mg/Kg		109	90 - 110

Lab Sample ID: 880-31987-11 MSD
 Matrix: Solid
 Analysis Batch: 60262

Client Sample ID: CS-42 (2')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	146		250	418.6		mg/Kg		109	90 - 110	0	20

Lab Sample ID: MB 880-60174/1-A
 Matrix: Solid
 Analysis Batch: 60266

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			08/14/23 21:24	1

Lab Sample ID: LCS 880-60174/2-A
 Matrix: Solid
 Analysis Batch: 60266

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	254.1		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-60174/3-A
 Matrix: Solid
 Analysis Batch: 60266

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	255.1		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 880-31987-21 MS
 Matrix: Solid
 Analysis Batch: 60266

Client Sample ID: CS-79 (2.5')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	207		252	472.3		mg/Kg		105	90 - 110

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QC Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31987-1
 SDG: Lea County New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-31987-21 MSD
Matrix: Solid
Analysis Batch: 60266

Client Sample ID: CS-79 (2.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	207		252	471.7		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 880-31987-31 MS
Matrix: Solid
Analysis Batch: 60266

Client Sample ID: CS-89 (2.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	461		251	691.7		mg/Kg		92	90 - 110		

Lab Sample ID: 880-31987-31 MSD
Matrix: Solid
Analysis Batch: 60266

Client Sample ID: CS-89 (2.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	461		251	691.6		mg/Kg		92	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31987-1
 SDG: Lea County New Mexico

GC VOA

Analysis Batch: 60079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31987-21	CS-79 (2.5')	Total/NA	Solid	8021B	60126
880-31987-22	CS-80 (2.5')	Total/NA	Solid	8021B	60126
880-31987-23	CS-81 (2.5')	Total/NA	Solid	8021B	60126
880-31987-24	CS-82 (2.5')	Total/NA	Solid	8021B	60126
880-31987-25	CS-83 (2.5')	Total/NA	Solid	8021B	60126
880-31987-26	CS-84 (2.5')	Total/NA	Solid	8021B	60126
880-31987-27	CS-85 (2.5')	Total/NA	Solid	8021B	60126
880-31987-28	CS-86 (2.5')	Total/NA	Solid	8021B	60126
880-31987-29	CS-87 (2.5')	Total/NA	Solid	8021B	60126
880-31987-30	CS-88 (2.5')	Total/NA	Solid	8021B	60126
880-31987-31	CS-89 (2.5')	Total/NA	Solid	8021B	60126
880-31987-32	CS-90 (2.5')	Total/NA	Solid	8021B	60126
880-31987-33	CS-91 (2.5')	Total/NA	Solid	8021B	60126
880-31987-34	SW-25 (2.5')	Total/NA	Solid	8021B	60126
880-31987-35	SW-26 (2.5')	Total/NA	Solid	8021B	60126
880-31987-36	SW-27 (2.5')	Total/NA	Solid	8021B	60126
880-31987-37	SW-28 (2.5')	Total/NA	Solid	8021B	60126
MB 880-60096/5-A	Method Blank	Total/NA	Solid	8021B	60096
MB 880-60126/5-A	Method Blank	Total/NA	Solid	8021B	60126
LCS 880-60126/1-A	Lab Control Sample	Total/NA	Solid	8021B	60126
LCSD 880-60126/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	60126
880-31987-21 MS	CS-79 (2.5')	Total/NA	Solid	8021B	60126
880-31987-21 MSD	CS-79 (2.5')	Total/NA	Solid	8021B	60126

Analysis Batch: 60080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31987-1	CS-25 (2')	Total/NA	Solid	8021B	60125
880-31987-2	CS-26 (2')	Total/NA	Solid	8021B	60125
880-31987-3	CS-27 (2')	Total/NA	Solid	8021B	60125
880-31987-4	CS-28 (2')	Total/NA	Solid	8021B	60125
880-31987-5	CS-30 (2')	Total/NA	Solid	8021B	60125
880-31987-6	CS-37 (2')	Total/NA	Solid	8021B	60125
880-31987-7	CS-38 (2')	Total/NA	Solid	8021B	60125
880-31987-8	CS-39 (2')	Total/NA	Solid	8021B	60125
880-31987-9	CS-40 (2')	Total/NA	Solid	8021B	60125
880-31987-10	CS-41 (2')	Total/NA	Solid	8021B	60125
880-31987-11	CS-42 (2')	Total/NA	Solid	8021B	60125
880-31987-12	CS-70 (2.5')	Total/NA	Solid	8021B	60125
880-31987-13	CS-71 (2.5')	Total/NA	Solid	8021B	60125
880-31987-14	CS-72 (2.5')	Total/NA	Solid	8021B	60125
880-31987-15	CS-73 (2.5')	Total/NA	Solid	8021B	60125
880-31987-16	CS-74 (2.5')	Total/NA	Solid	8021B	60125
880-31987-17	CS-75 (2.5')	Total/NA	Solid	8021B	60125
880-31987-18	CS-76 (2.5')	Total/NA	Solid	8021B	60125
880-31987-19	CS-77 (2.5')	Total/NA	Solid	8021B	60125
880-31987-20	CS-78 (2.5')	Total/NA	Solid	8021B	60125
MB 880-60094/5-A	Method Blank	Total/NA	Solid	8021B	60094
MB 880-60125/5-A	Method Blank	Total/NA	Solid	8021B	60125
LCS 880-60125/1-A	Lab Control Sample	Total/NA	Solid	8021B	60125
LCSD 880-60125/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	60125
880-31987-1 MS	CS-25 (2')	Total/NA	Solid	8021B	60125

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QC Association Summary

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31987-1
 SDG: Lea County New Mexico

GC VOA (Continued)

Analysis Batch: 60080 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31987-1 MSD	CS-25 (2')	Total/NA	Solid	8021B	60125

Prep Batch: 60094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-60094/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 60096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-60096/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 60125

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31987-1	CS-25 (2')	Total/NA	Solid	5035	
880-31987-2	CS-26 (2')	Total/NA	Solid	5035	
880-31987-3	CS-27 (2')	Total/NA	Solid	5035	
880-31987-4	CS-28 (2')	Total/NA	Solid	5035	
880-31987-5	CS-30 (2')	Total/NA	Solid	5035	
880-31987-6	CS-37 (2')	Total/NA	Solid	5035	
880-31987-7	CS-38 (2')	Total/NA	Solid	5035	
880-31987-8	CS-39 (2')	Total/NA	Solid	5035	
880-31987-9	CS-40 (2')	Total/NA	Solid	5035	
880-31987-10	CS-41 (2')	Total/NA	Solid	5035	
880-31987-11	CS-42 (2')	Total/NA	Solid	5035	
880-31987-12	CS-70 (2.5')	Total/NA	Solid	5035	
880-31987-13	CS-71 (2.5')	Total/NA	Solid	5035	
880-31987-14	CS-72 (2.5')	Total/NA	Solid	5035	
880-31987-15	CS-73 (2.5')	Total/NA	Solid	5035	
880-31987-16	CS-74 (2.5')	Total/NA	Solid	5035	
880-31987-17	CS-75 (2.5')	Total/NA	Solid	5035	
880-31987-18	CS-76 (2.5')	Total/NA	Solid	5035	
880-31987-19	CS-77 (2.5')	Total/NA	Solid	5035	
880-31987-20	CS-78 (2.5')	Total/NA	Solid	5035	
MB 880-60125/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-60125/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 880-60125/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-31987-1 MS	CS-25 (2')	Total/NA	Solid	5035	
880-31987-1 MSD	CS-25 (2')	Total/NA	Solid	5035	

Prep Batch: 60126

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31987-21	CS-79 (2.5')	Total/NA	Solid	5035	
880-31987-22	CS-80 (2.5')	Total/NA	Solid	5035	
880-31987-23	CS-81 (2.5')	Total/NA	Solid	5035	
880-31987-24	CS-82 (2.5')	Total/NA	Solid	5035	
880-31987-25	CS-83 (2.5')	Total/NA	Solid	5035	
880-31987-26	CS-84 (2.5')	Total/NA	Solid	5035	
880-31987-27	CS-85 (2.5')	Total/NA	Solid	5035	
880-31987-28	CS-86 (2.5')	Total/NA	Solid	5035	
880-31987-29	CS-87 (2.5')	Total/NA	Solid	5035	
880-31987-30	CS-88 (2.5')	Total/NA	Solid	5035	
880-31987-31	CS-89 (2.5')	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31987-1
 SDG: Lea County New Mexico

GC VOA (Continued)

Prep Batch: 60126 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31987-32	CS-90 (2.5')	Total/NA	Solid	5035	
880-31987-33	CS-91 (2.5')	Total/NA	Solid	5035	
880-31987-34	SW-25 (2.5')	Total/NA	Solid	5035	
880-31987-35	SW-26 (2.5')	Total/NA	Solid	5035	
880-31987-36	SW-27 (2.5')	Total/NA	Solid	5035	
880-31987-37	SW-28 (2.5')	Total/NA	Solid	5035	
MB 880-60126/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-60126/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 880-60126/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-31987-21 MS	CS-79 (2.5')	Total/NA	Solid	5035	
880-31987-21 MSD	CS-79 (2.5')	Total/NA	Solid	5035	

Analysis Batch: 60264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31987-1	CS-25 (2')	Total/NA	Solid	Total BTEX	
880-31987-2	CS-26 (2')	Total/NA	Solid	Total BTEX	
880-31987-3	CS-27 (2')	Total/NA	Solid	Total BTEX	
880-31987-4	CS-28 (2')	Total/NA	Solid	Total BTEX	
880-31987-5	CS-30 (2')	Total/NA	Solid	Total BTEX	
880-31987-6	CS-37 (2')	Total/NA	Solid	Total BTEX	
880-31987-7	CS-38 (2')	Total/NA	Solid	Total BTEX	
880-31987-8	CS-39 (2')	Total/NA	Solid	Total BTEX	
880-31987-9	CS-40 (2')	Total/NA	Solid	Total BTEX	
880-31987-10	CS-41 (2')	Total/NA	Solid	Total BTEX	
880-31987-11	CS-42 (2')	Total/NA	Solid	Total BTEX	
880-31987-12	CS-70 (2.5')	Total/NA	Solid	Total BTEX	
880-31987-13	CS-71 (2.5')	Total/NA	Solid	Total BTEX	
880-31987-14	CS-72 (2.5')	Total/NA	Solid	Total BTEX	
880-31987-15	CS-73 (2.5')	Total/NA	Solid	Total BTEX	
880-31987-16	CS-74 (2.5')	Total/NA	Solid	Total BTEX	
880-31987-17	CS-75 (2.5')	Total/NA	Solid	Total BTEX	
880-31987-18	CS-76 (2.5')	Total/NA	Solid	Total BTEX	
880-31987-19	CS-77 (2.5')	Total/NA	Solid	Total BTEX	
880-31987-20	CS-78 (2.5')	Total/NA	Solid	Total BTEX	
880-31987-21	CS-79 (2.5')	Total/NA	Solid	Total BTEX	
880-31987-22	CS-80 (2.5')	Total/NA	Solid	Total BTEX	
880-31987-23	CS-81 (2.5')	Total/NA	Solid	Total BTEX	
880-31987-24	CS-82 (2.5')	Total/NA	Solid	Total BTEX	
880-31987-25	CS-83 (2.5')	Total/NA	Solid	Total BTEX	
880-31987-26	CS-84 (2.5')	Total/NA	Solid	Total BTEX	
880-31987-27	CS-85 (2.5')	Total/NA	Solid	Total BTEX	
880-31987-28	CS-86 (2.5')	Total/NA	Solid	Total BTEX	
880-31987-29	CS-87 (2.5')	Total/NA	Solid	Total BTEX	
880-31987-30	CS-88 (2.5')	Total/NA	Solid	Total BTEX	
880-31987-31	CS-89 (2.5')	Total/NA	Solid	Total BTEX	
880-31987-32	CS-90 (2.5')	Total/NA	Solid	Total BTEX	
880-31987-33	CS-91 (2.5')	Total/NA	Solid	Total BTEX	
880-31987-34	SW-25 (2.5')	Total/NA	Solid	Total BTEX	
880-31987-35	SW-26 (2.5')	Total/NA	Solid	Total BTEX	
880-31987-36	SW-27 (2.5')	Total/NA	Solid	Total BTEX	
880-31987-37	SW-28 (2.5')	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31987-1
 SDG: Lea County New Mexico

GC Semi VOA

Analysis Batch: 60066

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31987-1	CS-25 (2')	Total/NA	Solid	8015B NM	60113
880-31987-2	CS-26 (2')	Total/NA	Solid	8015B NM	60113
880-31987-3	CS-27 (2')	Total/NA	Solid	8015B NM	60113
880-31987-3	CS-27 (2')	Total/NA	Solid	8015B NM	60113
880-31987-4	CS-28 (2')	Total/NA	Solid	8015B NM	60113
880-31987-5	CS-30 (2')	Total/NA	Solid	8015B NM	60113
880-31987-6	CS-37 (2')	Total/NA	Solid	8015B NM	60113
880-31987-7	CS-38 (2')	Total/NA	Solid	8015B NM	60113
880-31987-8	CS-39 (2')	Total/NA	Solid	8015B NM	60113
880-31987-9	CS-40 (2')	Total/NA	Solid	8015B NM	60113
880-31987-10	CS-41 (2')	Total/NA	Solid	8015B NM	60113
880-31987-11	CS-42 (2')	Total/NA	Solid	8015B NM	60113
880-31987-12	CS-70 (2.5')	Total/NA	Solid	8015B NM	60113
880-31987-13	CS-71 (2.5')	Total/NA	Solid	8015B NM	60113
880-31987-14	CS-72 (2.5')	Total/NA	Solid	8015B NM	60113
880-31987-15	CS-73 (2.5')	Total/NA	Solid	8015B NM	60113
880-31987-16	CS-74 (2.5')	Total/NA	Solid	8015B NM	60113
880-31987-17	CS-75 (2.5')	Total/NA	Solid	8015B NM	60113
880-31987-18	CS-76 (2.5')	Total/NA	Solid	8015B NM	60113
880-31987-19	CS-77 (2.5')	Total/NA	Solid	8015B NM	60113
880-31987-20	CS-78 (2.5')	Total/NA	Solid	8015B NM	60113
MB 880-60113/1-A	Method Blank	Total/NA	Solid	8015B NM	60113
LCS 880-60113/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	60113
LCSD 880-60113/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	60113
880-31987-1 MS	CS-25 (2')	Total/NA	Solid	8015B NM	60113
880-31987-1 MSD	CS-25 (2')	Total/NA	Solid	8015B NM	60113

Analysis Batch: 60068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31987-21	CS-79 (2.5')	Total/NA	Solid	8015B NM	60114
880-31987-22	CS-80 (2.5')	Total/NA	Solid	8015B NM	60114
880-31987-23	CS-81 (2.5')	Total/NA	Solid	8015B NM	60114
880-31987-24	CS-82 (2.5')	Total/NA	Solid	8015B NM	60114
880-31987-25	CS-83 (2.5')	Total/NA	Solid	8015B NM	60114
880-31987-26	CS-84 (2.5')	Total/NA	Solid	8015B NM	60114
880-31987-27	CS-85 (2.5')	Total/NA	Solid	8015B NM	60114
880-31987-28	CS-86 (2.5')	Total/NA	Solid	8015B NM	60114
880-31987-29	CS-87 (2.5')	Total/NA	Solid	8015B NM	60114
880-31987-30	CS-88 (2.5')	Total/NA	Solid	8015B NM	60114
880-31987-31	CS-89 (2.5')	Total/NA	Solid	8015B NM	60114
880-31987-32	CS-90 (2.5')	Total/NA	Solid	8015B NM	60114
880-31987-33	CS-91 (2.5')	Total/NA	Solid	8015B NM	60114
880-31987-34	SW-25 (2.5')	Total/NA	Solid	8015B NM	60114
880-31987-35	SW-26 (2.5')	Total/NA	Solid	8015B NM	60114
880-31987-36	SW-27 (2.5')	Total/NA	Solid	8015B NM	60114
880-31987-37	SW-28 (2.5')	Total/NA	Solid	8015B NM	60114
MB 880-60114/1-A	Method Blank	Total/NA	Solid	8015B NM	60114
LCS 880-60114/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	60114
LCSD 880-60114/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	60114
880-31987-21 MS	CS-79 (2.5')	Total/NA	Solid	8015B NM	60114
880-31987-21 MSD	CS-79 (2.5')	Total/NA	Solid	8015B NM	60114

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-31987-1
SDG: Lea County New Mexico

GC Semi VOA

Prep Batch: 60113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31987-1	CS-25 (2')	Total/NA	Solid	8015NM Prep	
880-31987-2	CS-26 (2')	Total/NA	Solid	8015NM Prep	
880-31987-3	CS-27 (2')	Total/NA	Solid	8015NM Prep	
880-31987-4	CS-28 (2')	Total/NA	Solid	8015NM Prep	
880-31987-5	CS-30 (2')	Total/NA	Solid	8015NM Prep	
880-31987-6	CS-37 (2')	Total/NA	Solid	8015NM Prep	
880-31987-7	CS-38 (2')	Total/NA	Solid	8015NM Prep	
880-31987-8	CS-39 (2')	Total/NA	Solid	8015NM Prep	
880-31987-9	CS-40 (2')	Total/NA	Solid	8015NM Prep	
880-31987-10	CS-41 (2')	Total/NA	Solid	8015NM Prep	
880-31987-11	CS-42 (2')	Total/NA	Solid	8015NM Prep	
880-31987-12	CS-70 (2.5')	Total/NA	Solid	8015NM Prep	
880-31987-13	CS-71 (2.5')	Total/NA	Solid	8015NM Prep	
880-31987-14	CS-72 (2.5')	Total/NA	Solid	8015NM Prep	
880-31987-15	CS-73 (2.5')	Total/NA	Solid	8015NM Prep	
880-31987-16	CS-74 (2.5')	Total/NA	Solid	8015NM Prep	
880-31987-17	CS-75 (2.5')	Total/NA	Solid	8015NM Prep	
880-31987-18	CS-76 (2.5')	Total/NA	Solid	8015NM Prep	
880-31987-19	CS-77 (2.5')	Total/NA	Solid	8015NM Prep	
880-31987-20	CS-78 (2.5')	Total/NA	Solid	8015NM Prep	
MB 880-60113/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-60113/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-60113/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-31987-1 MS	CS-25 (2')	Total/NA	Solid	8015NM Prep	
880-31987-1 MSD	CS-25 (2')	Total/NA	Solid	8015NM Prep	

Prep Batch: 60114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31987-21	CS-79 (2.5')	Total/NA	Solid	8015NM Prep	
880-31987-22	CS-80 (2.5')	Total/NA	Solid	8015NM Prep	
880-31987-23	CS-81 (2.5')	Total/NA	Solid	8015NM Prep	
880-31987-24	CS-82 (2.5')	Total/NA	Solid	8015NM Prep	
880-31987-25	CS-83 (2.5')	Total/NA	Solid	8015NM Prep	
880-31987-26	CS-84 (2.5')	Total/NA	Solid	8015NM Prep	
880-31987-27	CS-85 (2.5')	Total/NA	Solid	8015NM Prep	
880-31987-28	CS-86 (2.5')	Total/NA	Solid	8015NM Prep	
880-31987-29	CS-87 (2.5')	Total/NA	Solid	8015NM Prep	
880-31987-30	CS-88 (2.5')	Total/NA	Solid	8015NM Prep	
880-31987-31	CS-89 (2.5')	Total/NA	Solid	8015NM Prep	
880-31987-32	CS-90 (2.5')	Total/NA	Solid	8015NM Prep	
880-31987-33	CS-91 (2.5')	Total/NA	Solid	8015NM Prep	
880-31987-34	SW-25 (2.5')	Total/NA	Solid	8015NM Prep	
880-31987-35	SW-26 (2.5')	Total/NA	Solid	8015NM Prep	
880-31987-36	SW-27 (2.5')	Total/NA	Solid	8015NM Prep	
880-31987-37	SW-28 (2.5')	Total/NA	Solid	8015NM Prep	
MB 880-60114/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-60114/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-60114/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-31987-21 MS	CS-79 (2.5')	Total/NA	Solid	8015NM Prep	
880-31987-21 MSD	CS-79 (2.5')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Modelo 533 ReleaseJob ID: 880-31987-1
SDG: Lea County New Mexico

GC Semi VOA

Analysis Batch: 60295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31987-1	CS-25 (2')	Total/NA	Solid	8015 NM	
880-31987-2	CS-26 (2')	Total/NA	Solid	8015 NM	
880-31987-3	CS-27 (2')	Total/NA	Solid	8015 NM	
880-31987-4	CS-28 (2')	Total/NA	Solid	8015 NM	
880-31987-5	CS-30 (2')	Total/NA	Solid	8015 NM	
880-31987-6	CS-37 (2')	Total/NA	Solid	8015 NM	
880-31987-7	CS-38 (2')	Total/NA	Solid	8015 NM	
880-31987-8	CS-39 (2')	Total/NA	Solid	8015 NM	
880-31987-9	CS-40 (2')	Total/NA	Solid	8015 NM	
880-31987-10	CS-41 (2')	Total/NA	Solid	8015 NM	
880-31987-11	CS-42 (2')	Total/NA	Solid	8015 NM	
880-31987-12	CS-70 (2.5')	Total/NA	Solid	8015 NM	
880-31987-13	CS-71 (2.5')	Total/NA	Solid	8015 NM	
880-31987-14	CS-72 (2.5')	Total/NA	Solid	8015 NM	
880-31987-15	CS-73 (2.5')	Total/NA	Solid	8015 NM	
880-31987-16	CS-74 (2.5')	Total/NA	Solid	8015 NM	
880-31987-17	CS-75 (2.5')	Total/NA	Solid	8015 NM	
880-31987-18	CS-76 (2.5')	Total/NA	Solid	8015 NM	
880-31987-19	CS-77 (2.5')	Total/NA	Solid	8015 NM	
880-31987-20	CS-78 (2.5')	Total/NA	Solid	8015 NM	
880-31987-21	CS-79 (2.5')	Total/NA	Solid	8015 NM	
880-31987-22	CS-80 (2.5')	Total/NA	Solid	8015 NM	
880-31987-23	CS-81 (2.5')	Total/NA	Solid	8015 NM	
880-31987-24	CS-82 (2.5')	Total/NA	Solid	8015 NM	
880-31987-25	CS-83 (2.5')	Total/NA	Solid	8015 NM	
880-31987-26	CS-84 (2.5')	Total/NA	Solid	8015 NM	
880-31987-27	CS-85 (2.5')	Total/NA	Solid	8015 NM	
880-31987-28	CS-86 (2.5')	Total/NA	Solid	8015 NM	
880-31987-29	CS-87 (2.5')	Total/NA	Solid	8015 NM	
880-31987-30	CS-88 (2.5')	Total/NA	Solid	8015 NM	
880-31987-31	CS-89 (2.5')	Total/NA	Solid	8015 NM	
880-31987-32	CS-90 (2.5')	Total/NA	Solid	8015 NM	
880-31987-33	CS-91 (2.5')	Total/NA	Solid	8015 NM	
880-31987-34	SW-25 (2.5')	Total/NA	Solid	8015 NM	
880-31987-35	SW-26 (2.5')	Total/NA	Solid	8015 NM	
880-31987-36	SW-27 (2.5')	Total/NA	Solid	8015 NM	
880-31987-37	SW-28 (2.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 60173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31987-1	CS-25 (2')	Soluble	Solid	DI Leach	
880-31987-2	CS-26 (2')	Soluble	Solid	DI Leach	
880-31987-3	CS-27 (2')	Soluble	Solid	DI Leach	
880-31987-4	CS-28 (2')	Soluble	Solid	DI Leach	
880-31987-5	CS-30 (2')	Soluble	Solid	DI Leach	
880-31987-6	CS-37 (2')	Soluble	Solid	DI Leach	
880-31987-7	CS-38 (2')	Soluble	Solid	DI Leach	
880-31987-8	CS-39 (2')	Soluble	Solid	DI Leach	
880-31987-9	CS-40 (2')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Modelo 533 ReleaseJob ID: 880-31987-1
SDG: Lea County New Mexico

HPLC/IC (Continued)

Leach Batch: 60173 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31987-10	CS-41 (2')	Soluble	Solid	DI Leach	
880-31987-11	CS-42 (2')	Soluble	Solid	DI Leach	
880-31987-12	CS-70 (2.5')	Soluble	Solid	DI Leach	
880-31987-13	CS-71 (2.5')	Soluble	Solid	DI Leach	
880-31987-14	CS-72 (2.5')	Soluble	Solid	DI Leach	
880-31987-15	CS-73 (2.5')	Soluble	Solid	DI Leach	
880-31987-16	CS-74 (2.5')	Soluble	Solid	DI Leach	
880-31987-17	CS-75 (2.5')	Soluble	Solid	DI Leach	
880-31987-18	CS-76 (2.5')	Soluble	Solid	DI Leach	
880-31987-19	CS-77 (2.5')	Soluble	Solid	DI Leach	
880-31987-20	CS-78 (2.5')	Soluble	Solid	DI Leach	
MB 880-60173/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-60173/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-60173/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-31987-1 MS	CS-25 (2')	Soluble	Solid	DI Leach	
880-31987-1 MSD	CS-25 (2')	Soluble	Solid	DI Leach	
880-31987-11 MS	CS-42 (2')	Soluble	Solid	DI Leach	
880-31987-11 MSD	CS-42 (2')	Soluble	Solid	DI Leach	

Leach Batch: 60174

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31987-21	CS-79 (2.5')	Soluble	Solid	DI Leach	
880-31987-22	CS-80 (2.5')	Soluble	Solid	DI Leach	
880-31987-23	CS-81 (2.5')	Soluble	Solid	DI Leach	
880-31987-24	CS-82 (2.5')	Soluble	Solid	DI Leach	
880-31987-25	CS-83 (2.5')	Soluble	Solid	DI Leach	
880-31987-26	CS-84 (2.5')	Soluble	Solid	DI Leach	
880-31987-27	CS-85 (2.5')	Soluble	Solid	DI Leach	
880-31987-28	CS-86 (2.5')	Soluble	Solid	DI Leach	
880-31987-29	CS-87 (2.5')	Soluble	Solid	DI Leach	
880-31987-30	CS-88 (2.5')	Soluble	Solid	DI Leach	
880-31987-31	CS-89 (2.5')	Soluble	Solid	DI Leach	
880-31987-32	CS-90 (2.5')	Soluble	Solid	DI Leach	
880-31987-33	CS-91 (2.5')	Soluble	Solid	DI Leach	
880-31987-34	SW-25 (2.5')	Soluble	Solid	DI Leach	
880-31987-35	SW-26 (2.5')	Soluble	Solid	DI Leach	
880-31987-36	SW-27 (2.5')	Soluble	Solid	DI Leach	
880-31987-37	SW-28 (2.5')	Soluble	Solid	DI Leach	
MB 880-60174/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-60174/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-60174/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-31987-21 MS	CS-79 (2.5')	Soluble	Solid	DI Leach	
880-31987-21 MSD	CS-79 (2.5')	Soluble	Solid	DI Leach	
880-31987-31 MS	CS-89 (2.5')	Soluble	Solid	DI Leach	
880-31987-31 MSD	CS-89 (2.5')	Soluble	Solid	DI Leach	

Analysis Batch: 60262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31987-1	CS-25 (2')	Soluble	Solid	300.0	60173
880-31987-2	CS-26 (2')	Soluble	Solid	300.0	60173
880-31987-3	CS-27 (2')	Soluble	Solid	300.0	60173

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31987-1
 SDG: Lea County New Mexico

HPLC/IC (Continued)

Analysis Batch: 60262 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31987-4	CS-28 (2')	Soluble	Solid	300.0	60173
880-31987-5	CS-30 (2')	Soluble	Solid	300.0	60173
880-31987-6	CS-37 (2')	Soluble	Solid	300.0	60173
880-31987-7	CS-38 (2')	Soluble	Solid	300.0	60173
880-31987-8	CS-39 (2')	Soluble	Solid	300.0	60173
880-31987-9	CS-40 (2')	Soluble	Solid	300.0	60173
880-31987-10	CS-41 (2')	Soluble	Solid	300.0	60173
880-31987-11	CS-42 (2')	Soluble	Solid	300.0	60173
880-31987-12	CS-70 (2.5')	Soluble	Solid	300.0	60173
880-31987-13	CS-71 (2.5')	Soluble	Solid	300.0	60173
880-31987-14	CS-72 (2.5')	Soluble	Solid	300.0	60173
880-31987-15	CS-73 (2.5')	Soluble	Solid	300.0	60173
880-31987-16	CS-74 (2.5')	Soluble	Solid	300.0	60173
880-31987-17	CS-75 (2.5')	Soluble	Solid	300.0	60173
880-31987-18	CS-76 (2.5')	Soluble	Solid	300.0	60173
880-31987-19	CS-77 (2.5')	Soluble	Solid	300.0	60173
880-31987-20	CS-78 (2.5')	Soluble	Solid	300.0	60173
MB 880-60173/1-A	Method Blank	Soluble	Solid	300.0	60173
LCS 880-60173/2-A	Lab Control Sample	Soluble	Solid	300.0	60173
LCSD 880-60173/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	60173
880-31987-1 MS	CS-25 (2')	Soluble	Solid	300.0	60173
880-31987-1 MSD	CS-25 (2')	Soluble	Solid	300.0	60173
880-31987-11 MS	CS-42 (2')	Soluble	Solid	300.0	60173
880-31987-11 MSD	CS-42 (2')	Soluble	Solid	300.0	60173

Analysis Batch: 60266

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31987-21	CS-79 (2.5')	Soluble	Solid	300.0	60174
880-31987-22	CS-80 (2.5')	Soluble	Solid	300.0	60174
880-31987-23	CS-81 (2.5')	Soluble	Solid	300.0	60174
880-31987-24	CS-82 (2.5')	Soluble	Solid	300.0	60174
880-31987-25	CS-83 (2.5')	Soluble	Solid	300.0	60174
880-31987-26	CS-84 (2.5')	Soluble	Solid	300.0	60174
880-31987-27	CS-85 (2.5')	Soluble	Solid	300.0	60174
880-31987-28	CS-86 (2.5')	Soluble	Solid	300.0	60174
880-31987-29	CS-87 (2.5')	Soluble	Solid	300.0	60174
880-31987-30	CS-88 (2.5')	Soluble	Solid	300.0	60174
880-31987-31	CS-89 (2.5')	Soluble	Solid	300.0	60174
880-31987-32	CS-90 (2.5')	Soluble	Solid	300.0	60174
880-31987-33	CS-91 (2.5')	Soluble	Solid	300.0	60174
880-31987-34	SW-25 (2.5')	Soluble	Solid	300.0	60174
880-31987-35	SW-26 (2.5')	Soluble	Solid	300.0	60174
880-31987-36	SW-27 (2.5')	Soluble	Solid	300.0	60174
880-31987-37	SW-28 (2.5')	Soluble	Solid	300.0	60174
MB 880-60174/1-A	Method Blank	Soluble	Solid	300.0	60174
LCS 880-60174/2-A	Lab Control Sample	Soluble	Solid	300.0	60174
LCSD 880-60174/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	60174
880-31987-21 MS	CS-79 (2.5')	Soluble	Solid	300.0	60174
880-31987-21 MSD	CS-79 (2.5')	Soluble	Solid	300.0	60174
880-31987-31 MS	CS-89 (2.5')	Soluble	Solid	300.0	60174
880-31987-31 MSD	CS-89 (2.5')	Soluble	Solid	300.0	60174

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31987-1
 SDG: Lea County New Mexico

Client Sample ID: CS-25 (2')

Lab Sample ID: 880-31987-1

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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	60125	08/14/23 14:54	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60080	08/14/23 23:14	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60264	08/15/23 10:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			60295	08/15/23 12:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	60113	08/14/23 11:58	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60066	08/14/23 21:40	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	60173	08/14/23 11:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60262	08/14/23 21:29	SMC	EET MID

Client Sample ID: CS-26 (2')

Lab Sample ID: 880-31987-2

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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	60125	08/14/23 14:54	EL	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	60080	08/15/23 01:57	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60264	08/15/23 10:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			60295	08/15/23 12:51	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	60113	08/14/23 11:58	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60066	08/14/23 22:47	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	60173	08/14/23 11:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60262	08/14/23 21:50	SMC	EET MID

Client Sample ID: CS-27 (2')

Lab Sample ID: 880-31987-3

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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	60125	08/14/23 14:54	EL	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	60080	08/15/23 02:18	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60264	08/15/23 10:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			60295	08/15/23 12:51	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	60113	08/14/23 11:58	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60066	08/14/23 23:10	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	60113	08/14/23 11:58	TKC	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	60066	08/16/23 06:24	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	60173	08/14/23 11:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60262	08/14/23 21:57	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31987-1
 SDG: Lea County New Mexico

Client Sample ID: CS-28 (2')
Date Collected: 08/11/23 00:00
Date Received: 08/14/23 09:56

Lab Sample ID: 880-31987-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	60125	08/14/23 14:54	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60080	08/14/23 23:34	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60264	08/15/23 10:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			60295	08/15/23 12:51	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	60113	08/14/23 11:58	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60066	08/14/23 23:33	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	60173	08/14/23 11:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60262	08/14/23 22:05	SMC	EET MID

Client Sample ID: CS-30 (2')
Date Collected: 08/11/23 00:00
Date Received: 08/14/23 09:56

Lab Sample ID: 880-31987-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	60125	08/14/23 14:54	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60080	08/14/23 23:55	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60264	08/15/23 10:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			60295	08/15/23 12:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	60113	08/14/23 11:58	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60066	08/14/23 23:54	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	60173	08/14/23 11:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60262	08/14/23 22:12	SMC	EET MID

Client Sample ID: CS-37 (2')
Date Collected: 08/11/23 00:00
Date Received: 08/14/23 09:56

Lab Sample ID: 880-31987-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	60125	08/14/23 14:54	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60080	08/15/23 00:15	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60264	08/15/23 10:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			60295	08/15/23 12:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	60113	08/14/23 11:58	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60066	08/15/23 00:16	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	60173	08/14/23 11:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60262	08/14/23 22:33	SMC	EET MID

Client Sample ID: CS-38 (2')
Date Collected: 08/11/23 00:00
Date Received: 08/14/23 09:56

Lab Sample ID: 880-31987-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	60125	08/14/23 14:54	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60080	08/15/23 00:36	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60264	08/15/23 10:07	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31987-1
 SDG: Lea County New Mexico

Client Sample ID: CS-38 (2')

Lab Sample ID: 880-31987-7

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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			60295	08/15/23 12:51	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	60113	08/14/23 11:58	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60066	08/15/23 00:38	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	60173	08/14/23 11:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60262	08/14/23 22:40	SMC	EET MID

Client Sample ID: CS-39 (2')

Lab Sample ID: 880-31987-8

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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	60125	08/14/23 14:54	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60080	08/15/23 00:56	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60264	08/15/23 10:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			60295	08/15/23 12:51	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	60113	08/14/23 11:58	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60066	08/15/23 00:59	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	60173	08/14/23 11:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60262	08/14/23 22:47	SMC	EET MID

Client Sample ID: CS-40 (2')

Lab Sample ID: 880-31987-9

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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	60125	08/14/23 14:54	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60080	08/15/23 01:17	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60264	08/15/23 10:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			60295	08/15/23 12:51	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	60113	08/14/23 11:58	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60066	08/15/23 01:21	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	60173	08/14/23 11:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60262	08/14/23 22:54	SMC	EET MID

Client Sample ID: CS-41 (2')

Lab Sample ID: 880-31987-10

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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	60125	08/14/23 14:54	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60080	08/15/23 01:37	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60264	08/15/23 10:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			60295	08/15/23 12:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	60113	08/14/23 11:58	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60066	08/15/23 01:43	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-31987-1
SDG: Lea County New Mexico

Client Sample ID: CS-41 (2')

Lab Sample ID: 880-31987-10

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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	60173	08/14/23 11:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60262	08/14/23 23:02	SMC	EET MID

Client Sample ID: CS-42 (2')

Lab Sample ID: 880-31987-11

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	60125	08/14/23 14:54	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60080	08/15/23 03:40	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60264	08/15/23 10:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			60295	08/15/23 12:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	60113	08/14/23 11:58	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60066	08/15/23 02:26	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	60173	08/14/23 11:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60262	08/14/23 23:09	SMC	EET MID

Client Sample ID: CS-70 (2.5')

Lab Sample ID: 880-31987-12

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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	60125	08/14/23 14:54	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60080	08/15/23 04:01	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60264	08/15/23 10:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			60295	08/15/23 12:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	60113	08/14/23 11:58	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60066	08/15/23 02:48	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	60173	08/14/23 11:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60262	08/14/23 23:30	SMC	EET MID

Client Sample ID: CS-71 (2.5')

Lab Sample ID: 880-31987-13

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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	60125	08/14/23 14:54	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60080	08/15/23 04:21	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60264	08/15/23 10:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			60295	08/15/23 12:51	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	60113	08/14/23 11:58	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60066	08/15/23 03:09	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	60173	08/14/23 11:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60262	08/14/23 23:37	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31987-1
 SDG: Lea County New Mexico

Client Sample ID: CS-72 (2.5')

Lab Sample ID: 880-31987-14

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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	60125	08/14/23 14:54	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60080	08/15/23 04:42	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60264	08/15/23 10:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			60295	08/15/23 12:51	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	60113	08/14/23 11:58	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60066	08/15/23 03:31	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	60173	08/14/23 11:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60262	08/14/23 23:59	SMC	EET MID

Client Sample ID: CS-73 (2.5')

Lab Sample ID: 880-31987-15

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	60125	08/14/23 14:54	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60080	08/15/23 05:02	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60264	08/15/23 10:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			60295	08/15/23 12:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	60113	08/14/23 11:58	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60066	08/15/23 03:52	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	60173	08/14/23 11:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60262	08/15/23 00:06	SMC	EET MID

Client Sample ID: CS-74 (2.5')

Lab Sample ID: 880-31987-16

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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	60125	08/14/23 14:54	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60080	08/15/23 05:22	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60264	08/15/23 10:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			60295	08/15/23 12:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	60113	08/14/23 11:58	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60066	08/15/23 04:14	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	60173	08/14/23 11:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60262	08/15/23 00:13	SMC	EET MID

Client Sample ID: CS-75 (2.5')

Lab Sample ID: 880-31987-17

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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	60125	08/14/23 14:54	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60080	08/15/23 05:43	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60264	08/15/23 10:07	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31987-1
 SDG: Lea County New Mexico

Client Sample ID: CS-75 (2.5')

Lab Sample ID: 880-31987-17

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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			60295	08/15/23 12:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	60113	08/14/23 11:58	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60066	08/15/23 04:35	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	60173	08/14/23 11:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60262	08/15/23 00:20	SMC	EET MID

Client Sample ID: CS-76 (2.5')

Lab Sample ID: 880-31987-18

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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	60125	08/14/23 14:54	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60080	08/15/23 06:03	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60264	08/15/23 10:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			60295	08/15/23 12:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	60113	08/14/23 11:58	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60066	08/15/23 04:57	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	60173	08/14/23 11:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60262	08/15/23 00:27	SMC	EET MID

Client Sample ID: CS-77 (2.5')

Lab Sample ID: 880-31987-19

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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	60125	08/14/23 14:54	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60080	08/15/23 06:24	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60264	08/15/23 10:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			60295	08/15/23 12:51	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	60113	08/14/23 11:58	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60066	08/15/23 05:18	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	60173	08/14/23 11:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60262	08/15/23 00:35	SMC	EET MID

Client Sample ID: CS-78 (2.5')

Lab Sample ID: 880-31987-20

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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	60125	08/14/23 14:54	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60080	08/15/23 06:44	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60264	08/15/23 10:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			60295	08/15/23 12:51	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	60113	08/14/23 11:58	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60066	08/15/23 05:40	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31987-1
 SDG: Lea County New Mexico

Client Sample ID: CS-78 (2.5')

Lab Sample ID: 880-31987-20

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	60173	08/14/23 11:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60262	08/15/23 00:42	SMC	EET MID

Client Sample ID: CS-79 (2.5')

Lab Sample ID: 880-31987-21

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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	60126	08/14/23 14:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60079	08/15/23 01:16	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60264	08/15/23 10:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			60295	08/15/23 12:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	60114	08/14/23 12:01	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60068	08/14/23 21:40	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	60174	08/14/23 11:36	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60266	08/14/23 21:45	SMC	EET MID

Client Sample ID: CS-80 (2.5')

Lab Sample ID: 880-31987-22

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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	60126	08/14/23 14:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60079	08/15/23 01:37	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60264	08/15/23 10:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			60295	08/15/23 12:43	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	60114	08/14/23 12:01	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60068	08/14/23 22:47	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	60174	08/14/23 11:36	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60266	08/14/23 22:07	SMC	EET MID

Client Sample ID: CS-81 (2.5')

Lab Sample ID: 880-31987-23

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	60126	08/14/23 14:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60079	08/15/23 01:57	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60264	08/15/23 10:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			60295	08/15/23 12:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	60114	08/14/23 12:01	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60068	08/14/23 23:10	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	60174	08/14/23 11:36	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60266	08/14/23 22:14	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31987-1
 SDG: Lea County New Mexico

Client Sample ID: CS-82 (2.5')

Lab Sample ID: 880-31987-24

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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	60126	08/14/23 14:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60079	08/15/23 02:18	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60264	08/15/23 10:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			60295	08/15/23 12:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	60114	08/14/23 12:01	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60068	08/14/23 23:33	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	60174	08/14/23 11:36	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60266	08/14/23 22:21	SMC	EET MID

Client Sample ID: CS-83 (2.5')

Lab Sample ID: 880-31987-25

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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	60126	08/14/23 14:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60079	08/15/23 02:38	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60264	08/15/23 10:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			60295	08/15/23 12:43	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	60114	08/14/23 12:01	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60068	08/14/23 23:54	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	60174	08/14/23 11:36	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60266	08/14/23 22:28	SMC	EET MID

Client Sample ID: CS-84 (2.5')

Lab Sample ID: 880-31987-26

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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	60126	08/14/23 14:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60079	08/15/23 02:58	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60264	08/15/23 10:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			60295	08/15/23 12:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	60114	08/14/23 12:01	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60068	08/15/23 00:16	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	60174	08/14/23 11:36	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60266	08/14/23 22:50	SMC	EET MID

Client Sample ID: CS-85 (2.5')

Lab Sample ID: 880-31987-27

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	60126	08/14/23 14:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60079	08/15/23 03:19	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60264	08/15/23 10:04	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31987-1
 SDG: Lea County New Mexico

Client Sample ID: CS-85 (2.5')

Lab Sample ID: 880-31987-27

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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			60295	08/15/23 12:43	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	60114	08/14/23 12:01	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60068	08/15/23 00:38	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	60174	08/14/23 11:36	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60266	08/14/23 22:57	SMC	EET MID

Client Sample ID: CS-86 (2.5')

Lab Sample ID: 880-31987-28

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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	60126	08/14/23 14:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60079	08/15/23 03:39	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60264	08/15/23 10:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			60295	08/15/23 12:43	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	60114	08/14/23 12:01	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60068	08/15/23 00:59	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	60174	08/14/23 11:36	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60266	08/14/23 23:04	SMC	EET MID

Client Sample ID: CS-87 (2.5')

Lab Sample ID: 880-31987-29

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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	60126	08/14/23 14:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60079	08/15/23 04:00	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60264	08/15/23 10:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			60295	08/15/23 12:43	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	60114	08/14/23 12:01	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60068	08/15/23 01:21	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	60174	08/14/23 11:36	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60266	08/14/23 23:11	SMC	EET MID

Client Sample ID: CS-88 (2.5')

Lab Sample ID: 880-31987-30

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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	60126	08/14/23 14:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60079	08/15/23 04:20	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60264	08/15/23 10:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			60295	08/15/23 12:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	60114	08/14/23 12:01	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60068	08/15/23 01:43	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31987-1
 SDG: Lea County New Mexico

Client Sample ID: CS-88 (2.5')

Lab Sample ID: 880-31987-30

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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	60174	08/14/23 11:36	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60266	08/14/23 23:18	SMC	EET MID

Client Sample ID: CS-89 (2.5')

Lab Sample ID: 880-31987-31

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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	60126	08/14/23 14:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60079	08/15/23 06:10	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60264	08/15/23 10:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			60295	08/15/23 12:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	60114	08/14/23 12:01	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60068	08/15/23 02:26	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	60174	08/14/23 11:36	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60266	08/14/23 23:25	SMC	EET MID

Client Sample ID: CS-90 (2.5')

Lab Sample ID: 880-31987-32

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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	60126	08/14/23 14:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60079	08/15/23 06:31	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60264	08/15/23 10:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			60295	08/15/23 12:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	60114	08/14/23 12:01	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60068	08/15/23 02:48	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	60174	08/14/23 11:36	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60266	08/14/23 23:47	SMC	EET MID

Client Sample ID: CS-91 (2.5')

Lab Sample ID: 880-31987-33

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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	60126	08/14/23 14:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60079	08/15/23 06:51	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60264	08/15/23 10:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			60295	08/15/23 12:43	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	60114	08/14/23 12:01	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60068	08/15/23 03:09	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	60174	08/14/23 11:36	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60266	08/14/23 23:54	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-31987-1
 SDG: Lea County New Mexico

Client Sample ID: SW-25 (2.5')

Lab Sample ID: 880-31987-34

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	60126	08/14/23 14:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60079	08/15/23 07:12	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60264	08/15/23 10:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			60295	08/15/23 12:43	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	60114	08/14/23 12:01	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60068	08/15/23 03:31	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	60174	08/14/23 11:36	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60266	08/15/23 00:16	SMC	EET MID

Client Sample ID: SW-26 (2.5')

Lab Sample ID: 880-31987-35

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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	60126	08/14/23 14:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60079	08/15/23 07:32	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60264	08/15/23 10:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			60295	08/15/23 12:43	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	60114	08/14/23 12:01	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60068	08/15/23 03:52	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	60174	08/14/23 11:36	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60266	08/15/23 00:23	SMC	EET MID

Client Sample ID: SW-27 (2.5')

Lab Sample ID: 880-31987-36

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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	60126	08/14/23 14:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60079	08/15/23 07:53	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60264	08/15/23 10:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			60295	08/15/23 12:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	60114	08/14/23 12:01	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60068	08/15/23 04:14	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	60174	08/14/23 11:36	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60266	08/15/23 00:30	SMC	EET MID

Client Sample ID: SW-28 (2.5')

Lab Sample ID: 880-31987-37

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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	60126	08/14/23 14:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60079	08/15/23 08:13	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60264	08/15/23 10:04	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-31987-1
SDG: Lea County New Mexico

Client Sample ID: SW-28 (2.5')

Lab Sample ID: 880-31987-37

Date Collected: 08/11/23 00:00

Matrix: Solid

Date Received: 08/14/23 09:56

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			60295	08/15/23 12:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	60114	08/14/23 12:01	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60068	08/15/23 04:35	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	60174	08/14/23 11:36	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60266	08/15/23 00:37	SMC	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: Modelo 533 Release

Job ID: 880-31987-1
 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	T104704400-23-26	06-30-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

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Method Summary

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-31987-1
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: Modelo 533 Release

Job ID: 880-31987-1
 SDG: Lea County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-31987-1	CS-25 (2')	Solid	08/11/23 00:00	08/14/23 09:56
880-31987-2	CS-26 (2')	Solid	08/11/23 00:00	08/14/23 09:56
880-31987-3	CS-27 (2')	Solid	08/11/23 00:00	08/14/23 09:56
880-31987-4	CS-28 (2')	Solid	08/11/23 00:00	08/14/23 09:56
880-31987-5	CS-30 (2')	Solid	08/11/23 00:00	08/14/23 09:56
880-31987-6	CS-37 (2')	Solid	08/11/23 00:00	08/14/23 09:56
880-31987-7	CS-38 (2')	Solid	08/11/23 00:00	08/14/23 09:56
880-31987-8	CS-39 (2')	Solid	08/11/23 00:00	08/14/23 09:56
880-31987-9	CS-40 (2')	Solid	08/11/23 00:00	08/14/23 09:56
880-31987-10	CS-41 (2')	Solid	08/11/23 00:00	08/14/23 09:56
880-31987-11	CS-42 (2')	Solid	08/11/23 00:00	08/14/23 09:56
880-31987-12	CS-70 (2.5')	Solid	08/11/23 00:00	08/14/23 09:56
880-31987-13	CS-71 (2.5')	Solid	08/11/23 00:00	08/14/23 09:56
880-31987-14	CS-72 (2.5')	Solid	08/11/23 00:00	08/14/23 09:56
880-31987-15	CS-73 (2.5')	Solid	08/11/23 00:00	08/14/23 09:56
880-31987-16	CS-74 (2.5')	Solid	08/11/23 00:00	08/14/23 09:56
880-31987-17	CS-75 (2.5')	Solid	08/11/23 00:00	08/14/23 09:56
880-31987-18	CS-76 (2.5')	Solid	08/11/23 00:00	08/14/23 09:56
880-31987-19	CS-77 (2.5')	Solid	08/11/23 00:00	08/14/23 09:56
880-31987-20	CS-78 (2.5')	Solid	08/11/23 00:00	08/14/23 09:56
880-31987-21	CS-79 (2.5')	Solid	08/11/23 00:00	08/14/23 09:56
880-31987-22	CS-80 (2.5')	Solid	08/11/23 00:00	08/14/23 09:56
880-31987-23	CS-81 (2.5')	Solid	08/11/23 00:00	08/14/23 09:56
880-31987-24	CS-82 (2.5')	Solid	08/11/23 00:00	08/14/23 09:56
880-31987-25	CS-83 (2.5')	Solid	08/11/23 00:00	08/14/23 09:56
880-31987-26	CS-84 (2.5')	Solid	08/11/23 00:00	08/14/23 09:56
880-31987-27	CS-85 (2.5')	Solid	08/11/23 00:00	08/14/23 09:56
880-31987-28	CS-86 (2.5')	Solid	08/11/23 00:00	08/14/23 09:56
880-31987-29	CS-87 (2.5')	Solid	08/11/23 00:00	08/14/23 09:56
880-31987-30	CS-88 (2.5')	Solid	08/11/23 00:00	08/14/23 09:56
880-31987-31	CS-89 (2.5')	Solid	08/11/23 00:00	08/14/23 09:56
880-31987-32	CS-90 (2.5')	Solid	08/11/23 00:00	08/14/23 09:56
880-31987-33	CS-91 (2.5')	Solid	08/11/23 00:00	08/14/23 09:56
880-31987-34	SW-25 (2.5')	Solid	08/11/23 00:00	08/14/23 09:56
880-31987-35	SW-26 (2.5')	Solid	08/11/23 00:00	08/14/23 09:56
880-31987-36	SW-27 (2.5')	Solid	08/11/23 00:00	08/14/23 09:56
880-31987-37	SW-28 (2.5')	Solid	08/11/23 00:00	08/14/23 09:56

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Chain of Custody



Project Manager Conner Moehring	Company Name Carmona Resources	Bill to (if different) Todd Wells
Address 310 W Wall St Ste 500 Midland, TX 79701	City, State Zip Midland, TX 79701	Company Name EOG Resources
Phone 432-813-6823	Email Todd.Wells@eogresources.com	Address 5509 Champions Dr Midland, TX 79706

Project Name: Modelo 533 Release Project Number: 1171 Project Location: Lea County, New Mexico Sampler's Name: JR & JM PO #:	Turn Around: <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush Due Date: 24 HR Parameters:
--	--

SAMPLE RECEIPT Received Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cooler Custody Seals: Yes No N/A Sample Custody Seals: Yes No N/A Total Containers:	Turn Blank: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Thermometer ID: 123 Correction Factor: 0.5 Temperature Reading: 9.6 Corrected Temperature: 9.9
---	--

Program: USTR/ST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> IRC <input type="checkbox"/> Superfund 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
---	---

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters			Preservative Codes
							BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	
CS-25 (2)	8/11/2023		X		Comp	1	X	X	X	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
CS-26 (2)	8/11/2023		X		Comp	1	X	X	X	
CS-27 (2)	8/11/2023		X		Comp	1	X	X	X	
CS-28 (2)	8/11/2023		X		Comp	1	X	X	X	
CS-30 (2)	8/11/2023		X		Comp	1	X	X	X	
CS-37 (2)	8/11/2023		X		Comp	1	X	X	X	
CS-38 (2)	8/11/2023		X		Comp	1	X	X	X	
CS-39 (2)	8/11/2023		X		Comp	1	X	X	X	
CS-40 (2)	8/11/2023		X		Comp	1	X	X	X	
CS-41 (2)	8/11/2023		X		Comp	1	X	X	X	

Comments: Email to Mike Carmona / mcarmona@carmonarresources.com and Conner Moehring / cmoehring@carmonarresources.com

Relinquished by (Signature) <i>Mover</i>	Date/Time 8-14-23	Received by (Signature) <i>[Signature]</i>
		Date/Time 8-14-23

Chain of Custody

Work Order No: _____

Page 2 of 4

Project Manager	Conner Moehring	Bill to (if different)	Todd Wells
Company Name	Carmona Resources	Company Name	EOG Resources
Address	310 W Wall St Ste 500	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland TX 79706
Phone	432-813-6823	Email	Todd.Wells@eogresources.com

Work Order Comments	
Program: UST/PST	<input type="checkbox"/> PRP <input type="checkbox"/> Ironfields <input type="checkbox"/> RC <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:	Modelo 533 Release		Turn Around		Pass Code	ANALYSIS REQUEST												Preservative Codes				
	Project Number:	1171	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush		Due Date	24 HR													None NO	DI Water- H ₂ O	
Project Location:	Lea County, New Mexico																		Cool Cool	MeOH Me		
Sampler's Name:	JR & JM																		HCL, HC	HNO ₃ HN		
PO #:																			H ₂ SO ₄ H ₂	NaOH Na		
SAMPLE RECEIPT	Temp Blank:	Yes No	Yes No	Well Ice	Yes No													H ₃ PO ₄ HP				
Received Intact:	Yes No	N/A	Thermometer ID															NaHSO ₄ NABIS				
Cooler Custody Seals:	Yes No	N/A	Correction Factor															Na ₂ S ₂ O ₅ NaSO ₂				
Sample Custody Seals:	Yes No	N/A	Temperature Reading															Zn Acetate+NaOH Zn				
Total Containers:			Corrected Temperature															NaOH+Ascorbic Acid SAPC				
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters												Sample Comments			
CS-42 (2)	8/11/2023		X		Comp	1	X	X	X	BTEX 8021B												
CS-70 (2.5)	8/11/2023		X		Comp	1	X	X	X	TPH 8015M (GRO + DRO + MRO)												
CS-71 (2.5)	8/11/2023		X		Comp	1	X	X	X	Chloride 300.0												
CS-72 (2.5)	8/11/2023		X		Comp	1	X	X	X													
CS-73 (2.5)	8/11/2023		X		Comp	1	X	X	X													
CS-74 (2.5)	8/11/2023		X		Comp	1	X	X	X													
CS-75 (2.5)	8/11/2023		X		Comp	1	X	X	X													
CS-76 (2.5)	8/11/2023		X		Comp	1	X	X	X													
CS-77 (2.5)	8/11/2023		X		Comp	1	X	X	X													
CS-78 (2.5)	8/11/2023		X		Comp	1	X	X	X													

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>Conner Moehring</i>	8-14-23	<i>Mike Carmona</i>	

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Chain of Custody

Work Order No: _____

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Project Manager	Conner Moehring	Bill to (if different)	Todd Wells
Company Name	Carmona Resources	Company Name	EOG Resources
Address	310 W Wall St Ste 500	Address	5509 Champions Dr
City, State Zip	Midland, TX 79701	City, State Zip	Midland TX 79706
Phone	432-813-6823	Email	Todd.Wells@eogresources.com

Work Order Comments	
Program: USTR/ST	<input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <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	Modelo 533 Release		Turn Around	Due Date	24 HR	Pass. Code		ANALYSIS REQUEST		Preservative Codes
Project Number	1171		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush							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 ₅ NaSO ₃ Zn Acetate+NaOH Zn NaOH+Ascorbic Acid SAPC
Project Location	Lea County New Mexico									
Sampler's Name:	JR & JM									
PO #:										
SAMPLE RECEIPT	Temp Blank	Yes No	Yes No	Wet Ice	Yes No					
Received Intact:	Yes No	N/A	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			Sample Comments
							BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	
CS-79 (2.5')	8/11/2023		X		Comp	1	X	X	X	
CS-80 (2.5')	8/11/2023		X		Comp	1	X	X	X	
CS-81 (2.5')	8/11/2023		X		Comp	1	X	X	X	
CS-82 (2.5')	8/11/2023		X		Comp	1	X	X	X	
CS-83 (2.5')	8/11/2023		X		Comp	1	X	X	X	
CS-84 (2.5')	8/11/2023		X		Comp	1	X	X	X	
CS-85 (2.5')	8/11/2023		X		Comp	1	X	X	X	
CS-86 (2.5')	8/11/2023		X		Comp	1	X	X	X	
CS-87 (2.5')	8/11/2023		X		Comp	1	X	X	X	
CS-88 (2.5')	8/11/2023		X		Comp	1	X	X	X	

Comments: Email to Mike Carmona / mcarrmona@carmonarresources.com and Conner Moehring / cmoehring@carmonarresources.com

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	8-19-23		

Chain of Custody

Work Order No: _____

Page 4 of 4

Project Manager	Conner Moehring	Bill to: (if different)	Todd Wells
Company Name	Carmona Resources	Company Name	EOG Resources
Address	310 W Wall St Ste 500	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland TX 79706
Phone	432-813-6823	Email	Todd Wells@eogresources.com

Program: USTR/ST	<input type="checkbox"/> PRP	<input type="checkbox"/> Brownfields	<input type="checkbox"/> RC	<input type="checkbox"/> Inperrfund
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"/>	<input type="checkbox"/>	<input type="checkbox"/> Other

Project Name	Modelo 533 Release	Turn Around		Press. Code	ANALYSIS REQUEST			Preservative Codes		
		<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush		Due Date	24 HR				
Project Number	1171									
Project Location	Lea County New Mexico									
Sampler's Name	JR & JM									
PO #										
SAMPLE RECEIPT	Temp Blank	Yes	No	Thermometer ID						
Received Intact	Yes	No	N/A	Correction Factor						
Cooler Custody Seals	Yes	No	N/A	Temperature Reading						
Sample Custody Seals	Yes	No	N/A	Corrected Temperature						
Total Containers										
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters		Sample Comments	
CS-89 (2.5')	8/11/2023		X		Comp	1	X	X	X	
CS-90 (2.5')	8/11/2023		X		Comp	1	X	X	X	
CS-91 (2.5')	8/11/2023		X		Comp	1	X	X	X	
SW-25 (2.5')	8/11/2023		X		Comp	1	X	X	X	
SW-26 (2.5')	8/11/2023		X		Comp	1	X	X	X	
SW-27 (2.5')	8/11/2023		X		Comp	1	X	X	X	
SW-28 (2.5')	8/11/2023		X		Comp	1	X	X	X	

Comments: Email to Mike Carmona / MCarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by (Signature)	<i>Conner Moehring</i>	Date/Time	8-19-23
Received by (Signature)	<i>Todd Wells</i>	Date/Time	

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-31987-1
SDG Number: Lea County New Mexico

Login Number: 31987
List Number: 1
Creator: Kramer, Jessica

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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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 8/17/2023 10:59:41 AM

JOB DESCRIPTION

Modelo 533 Release
 SDG NUMBER Lea County, New Mexico

JOB NUMBER

880-32067-1

Eurofins Midland
 1211 W. Florida Ave
 Midland TX 79701



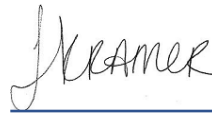
Eurofins Midland

Job Notes

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

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

Authorization



Generated
8/17/2023 10:59:41 AM

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

Client: Carmona Resources
Project/Site: Modelo 533 Release

Laboratory Job ID: 880-32067-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-32067-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-32067-1
SDG: Lea County, New Mexico

Job ID: 880-32067-1

Laboratory: Eurofins Midland**Narrative****Job Narrative
880-32067-1****Receipt**

The samples were received on 8/15/2023 9:19 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.0°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: CS-51 (2.5') (880-32067-7). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-60364 and analytical batch 880-60348 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.

GC Semi VOA

Method 8015MOD_NM: Spike compounds were inadvertently omitted during the extraction process for the matrix spike/matrix spike duplicate (MS/MSD); therefore, matrix spike recoveries are unavailable for preparation batch 880-60271 and analytical batch 880-60233. The associated laboratory control sample (LCS) met acceptance criteria.

Method 8015MOD_NM: CCV inadvertently double spiked. Percent recoveries are based on the amount spiked.(CCV 880-60345/32), (CCV 880-60345/48) and (CCV 880-60345/59)

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: Modelo 533 Release

Job ID: 880-32067-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-43 (2.5')

Lab Sample ID: 880-32067-1

Date Collected: 08/14/23 00:00

Matrix: Solid

Date Received: 08/15/23 09:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/15/23 14:29	08/16/23 05:26	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/15/23 14:29	08/16/23 05:26	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/15/23 14:29	08/16/23 05:26	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/15/23 14:29	08/16/23 05:26	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/15/23 14:29	08/16/23 05:26	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/15/23 14:29	08/16/23 05:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	08/15/23 14:29	08/16/23 05:26	1
1,4-Difluorobenzene (Surr)	99		70 - 130	08/15/23 14:29	08/16/23 05:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			08/16/23 09:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/16/23 11:05	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		08/15/23 10:44	08/16/23 04:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/15/23 10:44	08/16/23 04:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/15/23 10:44	08/16/23 04:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130	08/15/23 10:44	08/16/23 04:17	1
o-Terphenyl	87		70 - 130	08/15/23 10:44	08/16/23 04:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	161		4.99		mg/Kg			08/15/23 19:07	1

Client Sample ID: CS-44 (2.5')

Lab Sample ID: 880-32067-2

Date Collected: 08/14/23 00:00

Matrix: Solid

Date Received: 08/15/23 09:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/15/23 14:29	08/16/23 07:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/15/23 14:29	08/16/23 07:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/15/23 14:29	08/16/23 07:16	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/15/23 14:29	08/16/23 07:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/15/23 14:29	08/16/23 07:16	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/15/23 14:29	08/16/23 07:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	08/15/23 14:29	08/16/23 07:16	1
1,4-Difluorobenzene (Surr)	95		70 - 130	08/15/23 14:29	08/16/23 07:16	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32067-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-44 (2.5')

Lab Sample ID: 880-32067-2

Date Collected: 08/14/23 00:00

Matrix: Solid

Date Received: 08/15/23 09:19

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/16/23 09:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/16/23 11:05	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		08/15/23 10:44	08/16/23 04:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/15/23 10:44	08/16/23 04:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/15/23 10:44	08/16/23 04:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130	08/15/23 10:44	08/16/23 04:38	1
o-Terphenyl	85		70 - 130	08/15/23 10:44	08/16/23 04:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	462		5.00		mg/Kg			08/15/23 19:39	1

Client Sample ID: CS-45 (2.5')

Lab Sample ID: 880-32067-3

Date Collected: 08/14/23 00:00

Matrix: Solid

Date Received: 08/15/23 09:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/15/23 14:29	08/16/23 07:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/15/23 14:29	08/16/23 07:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/15/23 14:29	08/16/23 07:36	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/15/23 14:29	08/16/23 07:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/15/23 14:29	08/16/23 07:36	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/15/23 14:29	08/16/23 07:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130	08/15/23 14:29	08/16/23 07:36	1
1,4-Difluorobenzene (Surr)	94		70 - 130	08/15/23 14:29	08/16/23 07:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/16/23 09:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			08/16/23 11:05	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	<50.1	U	50.1		mg/Kg		08/15/23 10:44	08/16/23 05:00	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		08/15/23 10:44	08/16/23 05:00	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32067-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-45 (2.5')

Lab Sample ID: 880-32067-3

Date Collected: 08/14/23 00:00

Matrix: Solid

Date Received: 08/15/23 09:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		08/15/23 10:44	08/16/23 05:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				08/15/23 10:44	08/16/23 05:00	1
o-Terphenyl	88		70 - 130				08/15/23 10:44	08/16/23 05:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	258		4.96		mg/Kg			08/15/23 19:49	1

Client Sample ID: CS-48 (2.5')

Lab Sample ID: 880-32067-4

Date Collected: 08/14/23 00:00

Matrix: Solid

Date Received: 08/15/23 09:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/15/23 14:29	08/16/23 07:56	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/15/23 14:29	08/16/23 07:56	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/15/23 14:29	08/16/23 07:56	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/15/23 14:29	08/16/23 07:56	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/15/23 14:29	08/16/23 07:56	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/15/23 14:29	08/16/23 07:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				08/15/23 14:29	08/16/23 07:56	1
1,4-Difluorobenzene (Surr)	88		70 - 130				08/15/23 14:29	08/16/23 07:56	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			08/16/23 09:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	101		50.5		mg/Kg			08/16/23 11:05	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	<50.5	U	50.5		mg/Kg		08/15/23 10:44	08/16/23 05:21	1
Diesel Range Organics (Over C10-C28)	101		50.5		mg/Kg		08/15/23 10:44	08/16/23 05:21	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		08/15/23 10:44	08/16/23 05:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				08/15/23 10:44	08/16/23 05:21	1
o-Terphenyl	85		70 - 130				08/15/23 10:44	08/16/23 05:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	384		5.01		mg/Kg			08/15/23 19:59	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32067-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-49 (2.5')

Lab Sample ID: 880-32067-5

Date Collected: 08/14/23 00:00

Matrix: Solid

Date Received: 08/15/23 09:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/15/23 14:29	08/16/23 08:17	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/15/23 14:29	08/16/23 08:17	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/15/23 14:29	08/16/23 08:17	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/15/23 14:29	08/16/23 08:17	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/15/23 14:29	08/16/23 08:17	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/15/23 14:29	08/16/23 08:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130	08/15/23 14:29	08/16/23 08:17	1
1,4-Difluorobenzene (Surr)	96		70 - 130	08/15/23 14:29	08/16/23 08:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/16/23 09:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			08/16/23 11:05	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	<50.4	U	50.4		mg/Kg		08/15/23 10:44	08/16/23 05:42	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		08/15/23 10:44	08/16/23 05:42	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/15/23 10:44	08/16/23 05:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130	08/15/23 10:44	08/16/23 05:42	1
o-Terphenyl	86		70 - 130	08/15/23 10:44	08/16/23 05:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	209		4.99		mg/Kg			08/15/23 20:10	1

Client Sample ID: CS-50 (2.5')

Lab Sample ID: 880-32067-6

Date Collected: 08/14/23 00:00

Matrix: Solid

Date Received: 08/15/23 09:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/15/23 14:29	08/16/23 08:37	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/15/23 14:29	08/16/23 08:37	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/15/23 14:29	08/16/23 08:37	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/15/23 14:29	08/16/23 08:37	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/15/23 14:29	08/16/23 08:37	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/15/23 14:29	08/16/23 08:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	08/15/23 14:29	08/16/23 08:37	1
1,4-Difluorobenzene (Surr)	100		70 - 130	08/15/23 14:29	08/16/23 08:37	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32067-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-50 (2.5')

Lab Sample ID: 880-32067-6

Date Collected: 08/14/23 00:00

Matrix: Solid

Date Received: 08/15/23 09:19

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			08/16/23 11:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			08/16/23 11:05	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	<50.1	U	50.1		mg/Kg		08/15/23 10:44	08/16/23 06:03	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		08/15/23 10:44	08/16/23 06:03	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		08/15/23 10:44	08/16/23 06:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				08/15/23 10:44	08/16/23 06:03	1
o-Terphenyl	90		70 - 130				08/15/23 10:44	08/16/23 06:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	200		4.95		mg/Kg			08/15/23 20:41	1

Client Sample ID: CS-51 (2.5')

Lab Sample ID: 880-32067-7

Date Collected: 08/14/23 00:00

Matrix: Solid

Date Received: 08/15/23 09:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/15/23 14:29	08/16/23 08:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/15/23 14:29	08/16/23 08:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/15/23 14:29	08/16/23 08:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/15/23 14:29	08/16/23 08:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/15/23 14:29	08/16/23 08:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/15/23 14:29	08/16/23 08:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				08/15/23 14:29	08/16/23 08:58	1
1,4-Difluorobenzene (Surr)	135	S1+	70 - 130				08/15/23 14:29	08/16/23 08:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/16/23 11:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			08/17/23 11:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		08/15/23 12:15	08/16/23 11:16	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		08/15/23 12:15	08/16/23 11:16	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32067-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-51 (2.5')

Lab Sample ID: 880-32067-7

Date Collected: 08/14/23 00:00

Matrix: Solid

Date Received: 08/15/23 09:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/15/23 12:15	08/16/23 11:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				08/15/23 12:15	08/16/23 11:16	1
o-Terphenyl	90		70 - 130				08/15/23 12:15	08/16/23 11:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	397		4.97		mg/Kg			08/15/23 20:51	1

Client Sample ID: CS-52 (2.5')

Lab Sample ID: 880-32067-8

Date Collected: 08/14/23 00:00

Matrix: Solid

Date Received: 08/15/23 09:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/15/23 14:29	08/16/23 09:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/15/23 14:29	08/16/23 09:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/15/23 14:29	08/16/23 09:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/15/23 14:29	08/16/23 09:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/15/23 14:29	08/16/23 09:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/15/23 14:29	08/16/23 09:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				08/15/23 14:29	08/16/23 09:18	1
1,4-Difluorobenzene (Surr)	95		70 - 130				08/15/23 14:29	08/16/23 09:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/16/23 11:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			08/17/23 11:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		08/15/23 12:15	08/16/23 12:26	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		08/15/23 12:15	08/16/23 12:26	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/15/23 12:15	08/16/23 12:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				08/15/23 12:15	08/16/23 12:26	1
o-Terphenyl	88		70 - 130				08/15/23 12:15	08/16/23 12:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	414		5.00		mg/Kg			08/15/23 21:02	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32067-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-53 (2.5')

Lab Sample ID: 880-32067-9

Date Collected: 08/14/23 00:00

Matrix: Solid

Date Received: 08/15/23 09:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/15/23 14:29	08/16/23 09:39	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/15/23 14:29	08/16/23 09:39	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/15/23 14:29	08/16/23 09:39	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/15/23 14:29	08/16/23 09:39	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/15/23 14:29	08/16/23 09:39	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/15/23 14:29	08/16/23 09:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	08/15/23 14:29	08/16/23 09:39	1
1,4-Difluorobenzene (Surr)	101		70 - 130	08/15/23 14:29	08/16/23 09:39	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			08/16/23 11:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			08/17/23 11:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		08/15/23 12:15	08/16/23 12:50	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		08/15/23 12:15	08/16/23 12:50	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		08/15/23 12:15	08/16/23 12:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	08/15/23 12:15	08/16/23 12:50	1
o-Terphenyl	92		70 - 130	08/15/23 12:15	08/16/23 12:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	461		4.96		mg/Kg			08/15/23 21:12	1

Client Sample ID: CS-54 (2.5')

Lab Sample ID: 880-32067-10

Date Collected: 08/14/23 00:00

Matrix: Solid

Date Received: 08/15/23 09:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/15/23 14:29	08/16/23 09:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/15/23 14:29	08/16/23 09:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/15/23 14:29	08/16/23 09:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/15/23 14:29	08/16/23 09:59	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/15/23 14:29	08/16/23 09:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/15/23 14:29	08/16/23 09:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	08/15/23 14:29	08/16/23 09:59	1
1,4-Difluorobenzene (Surr)	105		70 - 130	08/15/23 14:29	08/16/23 09:59	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32067-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-54 (2.5')

Lab Sample ID: 880-32067-10

Date Collected: 08/14/23 00:00

Matrix: Solid

Date Received: 08/15/23 09:19

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/16/23 11:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			08/17/23 11:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		08/15/23 12:15	08/16/23 13:13	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		08/15/23 12:15	08/16/23 13:13	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		08/15/23 12:15	08/16/23 13:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				08/15/23 12:15	08/16/23 13:13	1
o-Terphenyl	89		70 - 130				08/15/23 12:15	08/16/23 13:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	464		5.04		mg/Kg			08/15/23 21:22	1

Client Sample ID: CS-55 (2.5')

Lab Sample ID: 880-32067-11

Date Collected: 08/14/23 00:00

Matrix: Solid

Date Received: 08/15/23 09:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/15/23 14:29	08/16/23 10:20	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/15/23 14:29	08/16/23 10:20	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/15/23 14:29	08/16/23 10:20	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/15/23 14:29	08/16/23 10:20	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/15/23 14:29	08/16/23 10:20	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/15/23 14:29	08/16/23 10:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				08/15/23 14:29	08/16/23 10:20	1
1,4-Difluorobenzene (Surr)	100		70 - 130				08/15/23 14:29	08/16/23 10:20	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			08/16/23 11:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	53.3		50.4		mg/Kg			08/17/23 11:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		08/15/23 12:15	08/16/23 13:37	1
Diesel Range Organics (Over C10-C28)	53.3		50.4		mg/Kg		08/15/23 12:15	08/16/23 13:37	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32067-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-55 (2.5')

Lab Sample ID: 880-32067-11

Date Collected: 08/14/23 00:00

Matrix: Solid

Date Received: 08/15/23 09:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/15/23 12:15	08/16/23 13:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130				08/15/23 12:15	08/16/23 13:37	1
o-Terphenyl	82		70 - 130				08/15/23 12:15	08/16/23 13:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	410		4.99		mg/Kg			08/15/23 21:33	1

Client Sample ID: CS-56 (2.5')

Lab Sample ID: 880-32067-12

Date Collected: 08/14/23 00:00

Matrix: Solid

Date Received: 08/15/23 09:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/16/23 09:58	08/16/23 17:10	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/16/23 09:58	08/16/23 17:10	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/16/23 09:58	08/16/23 17:10	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/16/23 09:58	08/16/23 17:10	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/16/23 09:58	08/16/23 17:10	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/16/23 09:58	08/16/23 17:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130				08/16/23 09:58	08/16/23 17:10	1
1,4-Difluorobenzene (Surr)	95		70 - 130				08/16/23 09:58	08/16/23 17:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			08/17/23 10:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			08/17/23 11:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/15/23 12:15	08/16/23 14:03	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/15/23 12:15	08/16/23 14:03	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/15/23 12:15	08/16/23 14:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				08/15/23 12:15	08/16/23 14:03	1
o-Terphenyl	84		70 - 130				08/15/23 12:15	08/16/23 14:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	414		4.95		mg/Kg			08/15/23 22:04	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32067-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-57 (2.5')

Lab Sample ID: 880-32067-13

Date Collected: 08/14/23 00:00

Matrix: Solid

Date Received: 08/15/23 09:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/16/23 09:58	08/16/23 17:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/16/23 09:58	08/16/23 17:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/16/23 09:58	08/16/23 17:30	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/16/23 09:58	08/16/23 17:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/16/23 09:58	08/16/23 17:30	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/16/23 09:58	08/16/23 17:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	08/16/23 09:58	08/16/23 17:30	1
1,4-Difluorobenzene (Surr)	100		70 - 130	08/16/23 09:58	08/16/23 17:30	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			08/17/23 10:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			08/17/23 11:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/15/23 12:15	08/16/23 14:27	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/15/23 12:15	08/16/23 14:27	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/15/23 12:15	08/16/23 14:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130	08/15/23 12:15	08/16/23 14:27	1
o-Terphenyl	87		70 - 130	08/15/23 12:15	08/16/23 14:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	434		5.01		mg/Kg			08/15/23 22:14	1

Client Sample ID: CS-58 (2.5')

Lab Sample ID: 880-32067-14

Date Collected: 08/14/23 00:00

Matrix: Solid

Date Received: 08/15/23 09:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/16/23 09:58	08/16/23 17:50	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/16/23 09:58	08/16/23 17:50	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/16/23 09:58	08/16/23 17:50	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/16/23 09:58	08/16/23 17:50	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/16/23 09:58	08/16/23 17:50	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/16/23 09:58	08/16/23 17:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	08/16/23 09:58	08/16/23 17:50	1
1,4-Difluorobenzene (Surr)	95		70 - 130	08/16/23 09:58	08/16/23 17:50	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32067-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-58 (2.5')

Lab Sample ID: 880-32067-14

Date Collected: 08/14/23 00:00

Matrix: Solid

Date Received: 08/15/23 09:19

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/17/23 10:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/17/23 11:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/15/23 12:15	08/16/23 14:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/15/23 12:15	08/16/23 14:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/15/23 12:15	08/16/23 14:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				08/15/23 12:15	08/16/23 14:52	1
o-Terphenyl	88		70 - 130				08/15/23 12:15	08/16/23 14:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	499		4.97		mg/Kg			08/15/23 22:45	1

Client Sample ID: CS-59 (2.5')

Lab Sample ID: 880-32067-15

Date Collected: 08/14/23 00:00

Matrix: Solid

Date Received: 08/15/23 09:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/16/23 09:58	08/16/23 18:11	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/16/23 09:58	08/16/23 18:11	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/16/23 09:58	08/16/23 18:11	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/16/23 09:58	08/16/23 18:11	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/16/23 09:58	08/16/23 18:11	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/16/23 09:58	08/16/23 18:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				08/16/23 09:58	08/16/23 18:11	1
1,4-Difluorobenzene (Surr)	98		70 - 130				08/16/23 09:58	08/16/23 18:11	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			08/17/23 10:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			08/17/23 11:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		08/15/23 12:15	08/16/23 15:17	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		08/15/23 12:15	08/16/23 15:17	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32067-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-59 (2.5')

Lab Sample ID: 880-32067-15

Date Collected: 08/14/23 00:00

Matrix: Solid

Date Received: 08/15/23 09:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		08/15/23 12:15	08/16/23 15:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				08/15/23 12:15	08/16/23 15:17	1
o-Terphenyl	89		70 - 130				08/15/23 12:15	08/16/23 15:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	525		4.95		mg/Kg			08/15/23 22:56	1

Client Sample ID: CS-62 (2.5')

Lab Sample ID: 880-32067-16

Date Collected: 08/14/23 00:00

Matrix: Solid

Date Received: 08/15/23 09:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/16/23 09:58	08/16/23 18:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/16/23 09:58	08/16/23 18:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/16/23 09:58	08/16/23 18:31	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/16/23 09:58	08/16/23 18:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/16/23 09:58	08/16/23 18:31	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/16/23 09:58	08/16/23 18:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130				08/16/23 09:58	08/16/23 18:31	1
1,4-Difluorobenzene (Surr)	96		70 - 130				08/16/23 09:58	08/16/23 18:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/17/23 10:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			08/17/23 11:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		08/15/23 12:15	08/16/23 15:41	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		08/15/23 12:15	08/16/23 15:41	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		08/15/23 12:15	08/16/23 15:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130				08/15/23 12:15	08/16/23 15:41	1
o-Terphenyl	86		70 - 130				08/15/23 12:15	08/16/23 15:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	493		4.95		mg/Kg			08/15/23 23:06	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32067-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-66 (2.5')

Lab Sample ID: 880-32067-17

Date Collected: 08/14/23 00:00

Matrix: Solid

Date Received: 08/15/23 09:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/16/23 09:58	08/16/23 18:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/16/23 09:58	08/16/23 18:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/16/23 09:58	08/16/23 18:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/16/23 09:58	08/16/23 18:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/16/23 09:58	08/16/23 18:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/16/23 09:58	08/16/23 18:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	08/16/23 09:58	08/16/23 18:52	1
1,4-Difluorobenzene (Surr)	98		70 - 130	08/16/23 09:58	08/16/23 18:52	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			08/17/23 10:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	54.7		50.5		mg/Kg			08/17/23 11:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		08/15/23 12:15	08/16/23 16:33	1
Diesel Range Organics (Over C10-C28)	54.7		50.5		mg/Kg		08/15/23 12:15	08/16/23 16:33	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		08/15/23 12:15	08/16/23 16:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130	08/15/23 12:15	08/16/23 16:33	1
o-Terphenyl	86		70 - 130	08/15/23 12:15	08/16/23 16:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	477		5.01		mg/Kg			08/15/23 23:16	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-32067-1
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)
880-32067-1	CS-43 (2.5')	87	99
880-32067-2	CS-44 (2.5')	84	95
880-32067-3	CS-45 (2.5')	81	94
880-32067-4	CS-48 (2.5')	88	88
880-32067-5	CS-49 (2.5')	81	96
880-32067-6	CS-50 (2.5')	86	100
880-32067-7	CS-51 (2.5')	99	135 S1+
880-32067-8	CS-52 (2.5')	91	95
880-32067-9	CS-53 (2.5')	91	101
880-32067-10	CS-54 (2.5')	96	105
880-32067-11	CS-55 (2.5')	91	100
880-32067-12	CS-56 (2.5')	85	95
880-32067-13	CS-57 (2.5')	86	100
880-32067-14	CS-58 (2.5')	88	95
880-32067-15	CS-59 (2.5')	89	98
880-32067-16	CS-62 (2.5')	86	96
880-32067-17	CS-66 (2.5')	85	98
890-5080-A-98-D MS	Matrix Spike	84	89
890-5080-A-98-E MSD	Matrix Spike Duplicate	93	105
890-5093-A-1-E MS	Matrix Spike	95	99
890-5093-A-1-F MSD	Matrix Spike Duplicate	93	96
LCS 880-60300/1-A	Lab Control Sample	92	97
LCS 880-60364/1-A	Lab Control Sample	95	88
LCS 880-60300/2-A	Lab Control Sample Dup	97	100
LCS 880-60364/2-A	Lab Control Sample Dup	91	96
MB 880-60251/5-A	Method Blank	97	123
MB 880-60300/5-A	Method Blank	86	117
MB 880-60364/5-A	Method Blank	100	134 S1+

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)
880-32060-A-1-E MS	Matrix Spike	73	70
880-32060-A-1-F MSD	Matrix Spike Duplicate	76	71
880-32067-1	CS-43 (2.5')	84	87
880-32067-2	CS-44 (2.5')	82	85
880-32067-3	CS-45 (2.5')	83	88
880-32067-4	CS-48 (2.5')	82	85
880-32067-5	CS-49 (2.5')	81	86
880-32067-6	CS-50 (2.5')	88	90
880-32067-7	CS-51 (2.5')	90	90
880-32067-7 MS	CS-51 (2.5')	96	83
880-32067-7 MSD	CS-51 (2.5')	96	83

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Surrogate Summary

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32067-1
 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)
880-32067-8	CS-52 (2.5')	88	88
880-32067-9	CS-53 (2.5')	88	92
880-32067-10	CS-54 (2.5')	85	89
880-32067-11	CS-55 (2.5')	77	82
880-32067-12	CS-56 (2.5')	83	84
880-32067-13	CS-57 (2.5')	84	87
880-32067-14	CS-58 (2.5')	86	88
880-32067-15	CS-59 (2.5')	86	89
880-32067-16	CS-62 (2.5')	84	86
880-32067-17	CS-66 (2.5')	82	86
LCS 880-60271/2-A	Lab Control Sample	101	92
LCS 880-60293/2-A	Lab Control Sample	115	112
LCSD 880-60271/3-A	Lab Control Sample Dup	96	90
LCSD 880-60293/3-A	Lab Control Sample Dup	119	113
MB 880-60271/1-A	Method Blank	94	96
MB 880-60293/1-A	Method Blank	88	92

Surrogate Legend

1CO = 1-Chlorooctane
 OTPH = o-Terphenyl

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

QC Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32067-1
 SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-60251/5-A
 Matrix: Solid
 Analysis Batch: 60239

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 60251

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/15/23 09:25	08/15/23 14:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/15/23 09:25	08/15/23 14:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/15/23 09:25	08/15/23 14:14	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/15/23 09:25	08/15/23 14:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/15/23 09:25	08/15/23 14:14	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/15/23 09:25	08/15/23 14:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	08/15/23 09:25	08/15/23 14:14	1
1,4-Difluorobenzene (Surr)	123		70 - 130	08/15/23 09:25	08/15/23 14:14	1

Lab Sample ID: MB 880-60300/5-A
 Matrix: Solid
 Analysis Batch: 60239

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 60300

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/15/23 14:29	08/16/23 01:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/15/23 14:29	08/16/23 01:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/15/23 14:29	08/16/23 01:53	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/15/23 14:29	08/16/23 01:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/15/23 14:29	08/16/23 01:53	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/15/23 14:29	08/16/23 01:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	08/15/23 14:29	08/16/23 01:53	1
1,4-Difluorobenzene (Surr)	117		70 - 130	08/15/23 14:29	08/16/23 01:53	1

Lab Sample ID: LCS 880-60300/1-A
 Matrix: Solid
 Analysis Batch: 60239

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 60300

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1125		mg/Kg		112	70 - 130
Toluene	0.100	0.09691		mg/Kg		97	70 - 130
Ethylbenzene	0.100	0.09110		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	0.200	0.1834		mg/Kg		92	70 - 130
o-Xylene	0.100	0.08919		mg/Kg		89	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: LCSD 880-60300/2-A
 Matrix: Solid
 Analysis Batch: 60239

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 60300

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1115		mg/Kg		111	70 - 130	1	35

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QC Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32067-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-60300/2-A
 Matrix: Solid
 Analysis Batch: 60239

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 60300

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Toluene	0.100	0.1023		mg/Kg		102	70 - 130	5	35	
Ethylbenzene	0.100	0.09823		mg/Kg		98	70 - 130	8	35	
m-Xylene & p-Xylene	0.200	0.2011		mg/Kg		101	70 - 130	9	35	
o-Xylene	0.100	0.09687		mg/Kg		97	70 - 130	8	35	
		LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)	97		70 - 130							
1,4-Difluorobenzene (Surr)	100		70 - 130							

Lab Sample ID: 890-5080-A-98-D MS
 Matrix: Solid
 Analysis Batch: 60239

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 60300

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
Benzene	<0.00198	U	0.0996	0.09941		mg/Kg		100	70 - 130			
Toluene	<0.00198	U	0.0996	0.09712		mg/Kg		98	70 - 130			
Ethylbenzene	<0.00198	U	0.0996	0.08171		mg/Kg		82	70 - 130			
m-Xylene & p-Xylene	<0.00397	U	0.199	0.1781		mg/Kg		89	70 - 130			
o-Xylene	<0.00198	U	0.0996	0.08769		mg/Kg		88	70 - 130			
		MS	MS									
Surrogate	%Recovery	Qualifier	Limits									
4-Bromofluorobenzene (Surr)	84		70 - 130									
1,4-Difluorobenzene (Surr)	89		70 - 130									

Lab Sample ID: 890-5080-A-98-E MSD
 Matrix: Solid
 Analysis Batch: 60239

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 60300

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
Benzene	<0.00198	U	0.0994	0.1078		mg/Kg		108	70 - 130	8	35	
Toluene	<0.00198	U	0.0994	0.09349		mg/Kg		94	70 - 130	4	35	
Ethylbenzene	<0.00198	U	0.0994	0.09160		mg/Kg		92	70 - 130	11	35	
m-Xylene & p-Xylene	<0.00397	U	0.199	0.1929		mg/Kg		97	70 - 130	8	35	
o-Xylene	<0.00198	U	0.0994	0.09354		mg/Kg		94	70 - 130	6	35	
		MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits									
4-Bromofluorobenzene (Surr)	93		70 - 130									
1,4-Difluorobenzene (Surr)	105		70 - 130									

Lab Sample ID: MB 880-60364/5-A
 Matrix: Solid
 Analysis Batch: 60348

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 60364

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.00200	U	0.00200		mg/Kg		08/16/23 09:58	08/16/23 14:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/16/23 09:58	08/16/23 14:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/16/23 09:58	08/16/23 14:42	1

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QC Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32067-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-60364/5-A
Matrix: Solid
Analysis Batch: 60348

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 60364

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/16/23 09:58	08/16/23 14:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/16/23 09:58	08/16/23 14:42	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	100		70 - 130	08/16/23 09:58	08/16/23 14:42	1
1,4-Difluorobenzene (Surr)	134	S1+	70 - 130	08/16/23 09:58	08/16/23 14:42	1

Lab Sample ID: LCS 880-60364/1-A
Matrix: Solid
Analysis Batch: 60348

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 60364

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	0.100	0.09225		mg/Kg		92	70 - 130
Toluene	0.100	0.1034		mg/Kg		103	70 - 130
Ethylbenzene	0.100	0.09910		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	0.200	0.2002		mg/Kg		100	70 - 130
o-Xylene	0.100	0.09527		mg/Kg		95	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

Lab Sample ID: LCSD 880-60364/2-A
Matrix: Solid
Analysis Batch: 60348

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 60364

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec Limits	RPD	
		Result	Qualifier					RPD	Limit
Benzene	0.100	0.1031		mg/Kg		103	70 - 130	11	35
Toluene	0.100	0.1005		mg/Kg		101	70 - 130	3	35
Ethylbenzene	0.100	0.09272		mg/Kg		93	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.1921		mg/Kg		96	70 - 130	4	35
o-Xylene	0.100	0.09112		mg/Kg		91	70 - 130	4	35

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 890-5093-A-1-E MS
Matrix: Solid
Analysis Batch: 60348

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 60364

Analyte	Sample Sample		Spike Added	MS MS		Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Benzene	<0.00199	U	0.0996	0.1075		mg/Kg		108	70 - 130
Toluene	<0.00199	U	0.0996	0.1008		mg/Kg		101	70 - 130
Ethylbenzene	<0.00199	U	0.0996	0.09476		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.199	0.2049		mg/Kg		103	70 - 130
o-Xylene	<0.00199	U	0.0996	0.09682		mg/Kg		97	70 - 130

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QC Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32067-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 890-5093-A-1-E MS
 Matrix: Solid
 Analysis Batch: 60348

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 60364

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

Lab Sample ID: 890-5093-A-1-F MSD
 Matrix: Solid
 Analysis Batch: 60348

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 60364

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0990	0.09479		mg/Kg		96	70 - 130	13	35
Toluene	<0.00199	U	0.0990	0.09212		mg/Kg		93	70 - 130	9	35
Ethylbenzene	<0.00199	U	0.0990	0.08281		mg/Kg		84	70 - 130	13	35
m-Xylene & p-Xylene	<0.00398	U	0.198	0.1712		mg/Kg		86	70 - 130	18	35
o-Xylene	<0.00199	U	0.0990	0.08238		mg/Kg		83	70 - 130	16	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

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

Lab Sample ID: MB 880-60271/1-A
 Matrix: Solid
 Analysis Batch: 60233

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 60271

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		08/15/23 10:44	08/15/23 21:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/15/23 10:44	08/15/23 21:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/15/23 10:44	08/15/23 21:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	08/15/23 10:44	08/15/23 21:05	1
o-Terphenyl	96		70 - 130	08/15/23 10:44	08/15/23 21:05	1

Lab Sample ID: LCS 880-60271/2-A
 Matrix: Solid
 Analysis Batch: 60233

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 60271

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	919.8		mg/Kg		92	70 - 130
Diesel Range Organics (Over C10-C28)	1000	873.0		mg/Kg		87	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	92		70 - 130

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QC Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32067-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-60271/3-A
 Matrix: Solid
 Analysis Batch: 60233

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 60271

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	1000	848.7		mg/Kg		85	70 - 130	8	20	
Diesel Range Organics (Over C10-C28)	1000	891.7		mg/Kg		89	70 - 130	2	20	
		LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	96		70 - 130							
o-Terphenyl	90		70 - 130							

Lab Sample ID: 880-32060-A-1-E MS
 Matrix: Solid
 Analysis Batch: 60233

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 60271

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.7	U F1	991	<49.6	U F1	mg/Kg		-0.3	70 - 130		
Diesel Range Organics (Over C10-C28)	130	F1	991	115.0	F1	mg/Kg		-2	70 - 130		
		MS	MS								
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	73		70 - 130								
o-Terphenyl	70		70 - 130								

Lab Sample ID: 880-32060-A-1-F MSD
 Matrix: Solid
 Analysis Batch: 60233

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 60271

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.7	U F1	991	<49.6	U F1	mg/Kg		-0.2	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	130	F1	991	110.5	F1	mg/Kg		-2	70 - 130	4	20
		MSD	MSD								
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	76		70 - 130								
o-Terphenyl	71		70 - 130								

Lab Sample ID: MB 880-60293/1-A
 Matrix: Solid
 Analysis Batch: 60345

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 60293

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		08/15/23 12:15	08/16/23 08:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/15/23 12:15	08/16/23 08:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/15/23 12:15	08/16/23 08:13	1

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QC Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32067-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-60293/1-A
Matrix: Solid
Analysis Batch: 60345

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 60293

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	88		70 - 130	08/15/23 12:15	08/16/23 08:13	1
o-Terphenyl	92		70 - 130	08/15/23 12:15	08/16/23 08:13	1

Lab Sample ID: LCS 880-60293/2-A
Matrix: Solid
Analysis Batch: 60345

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 60293

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	1000	1144		mg/Kg		114	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1120		mg/Kg		112	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	115		70 - 130
o-Terphenyl	112		70 - 130

Lab Sample ID: LCSD 880-60293/3-A
Matrix: Solid
Analysis Batch: 60345

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 60293

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec Limits	RPD	Limit
		Result	Qualifier						
Gasoline Range Organics (GRO)-C6-C10	1000	1100		mg/Kg		110	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	1184		mg/Kg		118	70 - 130	6	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	119		70 - 130
o-Terphenyl	113		70 - 130

Lab Sample ID: 880-32067-7 MS
Matrix: Solid
Analysis Batch: 60345

Client Sample ID: CS-51 (2.5')
Prep Type: Total/NA
Prep Batch: 60293

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec Limits
				Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	996	802.3		mg/Kg		77	70 - 130
Diesel Range Organics (Over C10-C28)	<50.4	U	996	855.2		mg/Kg		81	70 - 130

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	96		70 - 130
o-Terphenyl	83		70 - 130

QC Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32067-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-32067-7 MSD
 Matrix: Solid
 Analysis Batch: 60345

Client Sample ID: CS-51 (2.5')
 Prep Type: Total/NA
 Prep Batch: 60293

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	996	798.2		mg/Kg		77	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.4	U	996	845.4		mg/Kg		80	70 - 130	1	20
Surrogate	%Recovery	MSD Qualifier	MSD	Limits							
1-Chlorooctane	96			70 - 130							
o-Terphenyl	83			70 - 130							

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-60255/1-A
 Matrix: Solid
 Analysis Batch: 60332

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			08/15/23 18:36	1

Lab Sample ID: LCS 880-60255/2-A
 Matrix: Solid
 Analysis Batch: 60332

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	266.5		mg/Kg		107	90 - 110

Lab Sample ID: LCSD 880-60255/3-A
 Matrix: Solid
 Analysis Batch: 60332

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	267.1		mg/Kg		107	90 - 110	0	20

Lab Sample ID: 880-32067-1 MS
 Matrix: Solid
 Analysis Batch: 60332

Client Sample ID: CS-43 (2.5')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	161		250	424.5		mg/Kg		106	90 - 110

Lab Sample ID: 880-32067-1 MSD
 Matrix: Solid
 Analysis Batch: 60332

Client Sample ID: CS-43 (2.5')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	161		250	424.2		mg/Kg		106	90 - 110	0	20

QC Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32067-1
 SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-32067-11 MS
Matrix: Solid
Analysis Batch: 60332

Client Sample ID: CS-55 (2.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	410		250	658.5		mg/Kg		100	90 - 110

Lab Sample ID: 880-32067-11 MSD
Matrix: Solid
Analysis Batch: 60332

Client Sample ID: CS-55 (2.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	410		250	661.6		mg/Kg		101	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: Modelo 533 Release

Job ID: 880-32067-1
 SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 60239

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32067-1	CS-43 (2.5')	Total/NA	Solid	8021B	60300
880-32067-2	CS-44 (2.5')	Total/NA	Solid	8021B	60300
880-32067-3	CS-45 (2.5')	Total/NA	Solid	8021B	60300
880-32067-4	CS-48 (2.5')	Total/NA	Solid	8021B	60300
880-32067-5	CS-49 (2.5')	Total/NA	Solid	8021B	60300
880-32067-6	CS-50 (2.5')	Total/NA	Solid	8021B	60300
880-32067-7	CS-51 (2.5')	Total/NA	Solid	8021B	60300
880-32067-8	CS-52 (2.5')	Total/NA	Solid	8021B	60300
880-32067-9	CS-53 (2.5')	Total/NA	Solid	8021B	60300
880-32067-10	CS-54 (2.5')	Total/NA	Solid	8021B	60300
880-32067-11	CS-55 (2.5')	Total/NA	Solid	8021B	60300
MB 880-60251/5-A	Method Blank	Total/NA	Solid	8021B	60251
MB 880-60300/5-A	Method Blank	Total/NA	Solid	8021B	60300
LCS 880-60300/1-A	Lab Control Sample	Total/NA	Solid	8021B	60300
LCSD 880-60300/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	60300
890-5080-A-98-D MS	Matrix Spike	Total/NA	Solid	8021B	60300
890-5080-A-98-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	60300

Prep Batch: 60251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-60251/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 60300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32067-1	CS-43 (2.5')	Total/NA	Solid	5035	
880-32067-2	CS-44 (2.5')	Total/NA	Solid	5035	
880-32067-3	CS-45 (2.5')	Total/NA	Solid	5035	
880-32067-4	CS-48 (2.5')	Total/NA	Solid	5035	
880-32067-5	CS-49 (2.5')	Total/NA	Solid	5035	
880-32067-6	CS-50 (2.5')	Total/NA	Solid	5035	
880-32067-7	CS-51 (2.5')	Total/NA	Solid	5035	
880-32067-8	CS-52 (2.5')	Total/NA	Solid	5035	
880-32067-9	CS-53 (2.5')	Total/NA	Solid	5035	
880-32067-10	CS-54 (2.5')	Total/NA	Solid	5035	
880-32067-11	CS-55 (2.5')	Total/NA	Solid	5035	
MB 880-60300/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-60300/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-60300/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-5080-A-98-D MS	Matrix Spike	Total/NA	Solid	5035	
890-5080-A-98-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 60348

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32067-12	CS-56 (2.5')	Total/NA	Solid	8021B	60364
880-32067-13	CS-57 (2.5')	Total/NA	Solid	8021B	60364
880-32067-14	CS-58 (2.5')	Total/NA	Solid	8021B	60364
880-32067-15	CS-59 (2.5')	Total/NA	Solid	8021B	60364
880-32067-16	CS-62 (2.5')	Total/NA	Solid	8021B	60364
880-32067-17	CS-66 (2.5')	Total/NA	Solid	8021B	60364
MB 880-60364/5-A	Method Blank	Total/NA	Solid	8021B	60364
LCS 880-60364/1-A	Lab Control Sample	Total/NA	Solid	8021B	60364

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QC Association Summary

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32067-1
 SDG: Lea County, New Mexico

GC VOA (Continued)

Analysis Batch: 60348 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-60364/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	60364
890-5093-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	60364
890-5093-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	60364

Analysis Batch: 60356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32067-1	CS-43 (2.5')	Total/NA	Solid	Total BTEX	
880-32067-2	CS-44 (2.5')	Total/NA	Solid	Total BTEX	
880-32067-3	CS-45 (2.5')	Total/NA	Solid	Total BTEX	
880-32067-4	CS-48 (2.5')	Total/NA	Solid	Total BTEX	
880-32067-5	CS-49 (2.5')	Total/NA	Solid	Total BTEX	
880-32067-6	CS-50 (2.5')	Total/NA	Solid	Total BTEX	
880-32067-7	CS-51 (2.5')	Total/NA	Solid	Total BTEX	
880-32067-8	CS-52 (2.5')	Total/NA	Solid	Total BTEX	
880-32067-9	CS-53 (2.5')	Total/NA	Solid	Total BTEX	
880-32067-10	CS-54 (2.5')	Total/NA	Solid	Total BTEX	
880-32067-11	CS-55 (2.5')	Total/NA	Solid	Total BTEX	
880-32067-12	CS-56 (2.5')	Total/NA	Solid	Total BTEX	
880-32067-13	CS-57 (2.5')	Total/NA	Solid	Total BTEX	
880-32067-14	CS-58 (2.5')	Total/NA	Solid	Total BTEX	
880-32067-15	CS-59 (2.5')	Total/NA	Solid	Total BTEX	
880-32067-16	CS-62 (2.5')	Total/NA	Solid	Total BTEX	
880-32067-17	CS-66 (2.5')	Total/NA	Solid	Total BTEX	

Prep Batch: 60364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32067-12	CS-56 (2.5')	Total/NA	Solid	5035	
880-32067-13	CS-57 (2.5')	Total/NA	Solid	5035	
880-32067-14	CS-58 (2.5')	Total/NA	Solid	5035	
880-32067-15	CS-59 (2.5')	Total/NA	Solid	5035	
880-32067-16	CS-62 (2.5')	Total/NA	Solid	5035	
880-32067-17	CS-66 (2.5')	Total/NA	Solid	5035	
MB 880-60364/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-60364/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-60364/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-5093-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
890-5093-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

GC Semi VOA

Analysis Batch: 60233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32067-1	CS-43 (2.5')	Total/NA	Solid	8015B NM	60271
880-32067-2	CS-44 (2.5')	Total/NA	Solid	8015B NM	60271
880-32067-3	CS-45 (2.5')	Total/NA	Solid	8015B NM	60271
880-32067-4	CS-48 (2.5')	Total/NA	Solid	8015B NM	60271
880-32067-5	CS-49 (2.5')	Total/NA	Solid	8015B NM	60271
880-32067-6	CS-50 (2.5')	Total/NA	Solid	8015B NM	60271
MB 880-60271/1-A	Method Blank	Total/NA	Solid	8015B NM	60271
LCS 880-60271/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	60271
LCSD 880-60271/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	60271

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32067-1
 SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 60233 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32060-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	60271
880-32060-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	60271

Prep Batch: 60271

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32067-1	CS-43 (2.5')	Total/NA	Solid	8015NM Prep	
880-32067-2	CS-44 (2.5')	Total/NA	Solid	8015NM Prep	
880-32067-3	CS-45 (2.5')	Total/NA	Solid	8015NM Prep	
880-32067-4	CS-48 (2.5')	Total/NA	Solid	8015NM Prep	
880-32067-5	CS-49 (2.5')	Total/NA	Solid	8015NM Prep	
880-32067-6	CS-50 (2.5')	Total/NA	Solid	8015NM Prep	
MB 880-60271/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-60271/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCS 880-60271/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-32060-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-32060-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 60293

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32067-7	CS-51 (2.5')	Total/NA	Solid	8015NM Prep	
880-32067-8	CS-52 (2.5')	Total/NA	Solid	8015NM Prep	
880-32067-9	CS-53 (2.5')	Total/NA	Solid	8015NM Prep	
880-32067-10	CS-54 (2.5')	Total/NA	Solid	8015NM Prep	
880-32067-11	CS-55 (2.5')	Total/NA	Solid	8015NM Prep	
880-32067-12	CS-56 (2.5')	Total/NA	Solid	8015NM Prep	
880-32067-13	CS-57 (2.5')	Total/NA	Solid	8015NM Prep	
880-32067-14	CS-58 (2.5')	Total/NA	Solid	8015NM Prep	
880-32067-15	CS-59 (2.5')	Total/NA	Solid	8015NM Prep	
880-32067-16	CS-62 (2.5')	Total/NA	Solid	8015NM Prep	
880-32067-17	CS-66 (2.5')	Total/NA	Solid	8015NM Prep	
MB 880-60293/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-60293/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCS 880-60293/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-32067-7 MS	CS-51 (2.5')	Total/NA	Solid	8015NM Prep	
880-32067-7 MSD	CS-51 (2.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 60345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32067-7	CS-51 (2.5')	Total/NA	Solid	8015B NM	60293
880-32067-8	CS-52 (2.5')	Total/NA	Solid	8015B NM	60293
880-32067-9	CS-53 (2.5')	Total/NA	Solid	8015B NM	60293
880-32067-10	CS-54 (2.5')	Total/NA	Solid	8015B NM	60293
880-32067-11	CS-55 (2.5')	Total/NA	Solid	8015B NM	60293
880-32067-12	CS-56 (2.5')	Total/NA	Solid	8015B NM	60293
880-32067-13	CS-57 (2.5')	Total/NA	Solid	8015B NM	60293
880-32067-14	CS-58 (2.5')	Total/NA	Solid	8015B NM	60293
880-32067-15	CS-59 (2.5')	Total/NA	Solid	8015B NM	60293
880-32067-16	CS-62 (2.5')	Total/NA	Solid	8015B NM	60293
880-32067-17	CS-66 (2.5')	Total/NA	Solid	8015B NM	60293
MB 880-60293/1-A	Method Blank	Total/NA	Solid	8015B NM	60293
LCS 880-60293/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	60293

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32067-1
 SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 60345 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-60293/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	60293
880-32067-7 MS	CS-51 (2.5')	Total/NA	Solid	8015B NM	60293
880-32067-7 MSD	CS-51 (2.5')	Total/NA	Solid	8015B NM	60293

Analysis Batch: 60382

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32067-1	CS-43 (2.5')	Total/NA	Solid	8015 NM	
880-32067-2	CS-44 (2.5')	Total/NA	Solid	8015 NM	
880-32067-3	CS-45 (2.5')	Total/NA	Solid	8015 NM	
880-32067-4	CS-48 (2.5')	Total/NA	Solid	8015 NM	
880-32067-5	CS-49 (2.5')	Total/NA	Solid	8015 NM	
880-32067-6	CS-50 (2.5')	Total/NA	Solid	8015 NM	
880-32067-7	CS-51 (2.5')	Total/NA	Solid	8015 NM	
880-32067-8	CS-52 (2.5')	Total/NA	Solid	8015 NM	
880-32067-9	CS-53 (2.5')	Total/NA	Solid	8015 NM	
880-32067-10	CS-54 (2.5')	Total/NA	Solid	8015 NM	
880-32067-11	CS-55 (2.5')	Total/NA	Solid	8015 NM	
880-32067-12	CS-56 (2.5')	Total/NA	Solid	8015 NM	
880-32067-13	CS-57 (2.5')	Total/NA	Solid	8015 NM	
880-32067-14	CS-58 (2.5')	Total/NA	Solid	8015 NM	
880-32067-15	CS-59 (2.5')	Total/NA	Solid	8015 NM	
880-32067-16	CS-62 (2.5')	Total/NA	Solid	8015 NM	
880-32067-17	CS-66 (2.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 60255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32067-1	CS-43 (2.5')	Soluble	Solid	DI Leach	
880-32067-2	CS-44 (2.5')	Soluble	Solid	DI Leach	
880-32067-3	CS-45 (2.5')	Soluble	Solid	DI Leach	
880-32067-4	CS-48 (2.5')	Soluble	Solid	DI Leach	
880-32067-5	CS-49 (2.5')	Soluble	Solid	DI Leach	
880-32067-6	CS-50 (2.5')	Soluble	Solid	DI Leach	
880-32067-7	CS-51 (2.5')	Soluble	Solid	DI Leach	
880-32067-8	CS-52 (2.5')	Soluble	Solid	DI Leach	
880-32067-9	CS-53 (2.5')	Soluble	Solid	DI Leach	
880-32067-10	CS-54 (2.5')	Soluble	Solid	DI Leach	
880-32067-11	CS-55 (2.5')	Soluble	Solid	DI Leach	
880-32067-12	CS-56 (2.5')	Soluble	Solid	DI Leach	
880-32067-13	CS-57 (2.5')	Soluble	Solid	DI Leach	
880-32067-14	CS-58 (2.5')	Soluble	Solid	DI Leach	
880-32067-15	CS-59 (2.5')	Soluble	Solid	DI Leach	
880-32067-16	CS-62 (2.5')	Soluble	Solid	DI Leach	
880-32067-17	CS-66 (2.5')	Soluble	Solid	DI Leach	
MB 880-60255/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-60255/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-60255/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-32067-1 MS	CS-43 (2.5')	Soluble	Solid	DI Leach	
880-32067-1 MSD	CS-43 (2.5')	Soluble	Solid	DI Leach	
880-32067-11 MS	CS-55 (2.5')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32067-1
 SDG: Lea County, New Mexico

HPLC/IC (Continued)

Leach Batch: 60255 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32067-11 MSD	CS-55 (2.5')	Soluble	Solid	DI Leach	

Analysis Batch: 60332

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32067-1	CS-43 (2.5')	Soluble	Solid	300.0	60255
880-32067-2	CS-44 (2.5')	Soluble	Solid	300.0	60255
880-32067-3	CS-45 (2.5')	Soluble	Solid	300.0	60255
880-32067-4	CS-48 (2.5')	Soluble	Solid	300.0	60255
880-32067-5	CS-49 (2.5')	Soluble	Solid	300.0	60255
880-32067-6	CS-50 (2.5')	Soluble	Solid	300.0	60255
880-32067-7	CS-51 (2.5')	Soluble	Solid	300.0	60255
880-32067-8	CS-52 (2.5')	Soluble	Solid	300.0	60255
880-32067-9	CS-53 (2.5')	Soluble	Solid	300.0	60255
880-32067-10	CS-54 (2.5')	Soluble	Solid	300.0	60255
880-32067-11	CS-55 (2.5')	Soluble	Solid	300.0	60255
880-32067-12	CS-56 (2.5')	Soluble	Solid	300.0	60255
880-32067-13	CS-57 (2.5')	Soluble	Solid	300.0	60255
880-32067-14	CS-58 (2.5')	Soluble	Solid	300.0	60255
880-32067-15	CS-59 (2.5')	Soluble	Solid	300.0	60255
880-32067-16	CS-62 (2.5')	Soluble	Solid	300.0	60255
880-32067-17	CS-66 (2.5')	Soluble	Solid	300.0	60255
MB 880-60255/1-A	Method Blank	Soluble	Solid	300.0	60255
LCS 880-60255/2-A	Lab Control Sample	Soluble	Solid	300.0	60255
LCSD 880-60255/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	60255
880-32067-1 MS	CS-43 (2.5')	Soluble	Solid	300.0	60255
880-32067-1 MSD	CS-43 (2.5')	Soluble	Solid	300.0	60255
880-32067-11 MS	CS-55 (2.5')	Soluble	Solid	300.0	60255
880-32067-11 MSD	CS-55 (2.5')	Soluble	Solid	300.0	60255

Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32067-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-43 (2.5')

Lab Sample ID: 880-32067-1

Date Collected: 08/14/23 00:00

Matrix: Solid

Date Received: 08/15/23 09:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	60300	08/15/23 14:29	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60239	08/16/23 05:26	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60356	08/16/23 09:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			60382	08/16/23 11:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	60271	08/15/23 10:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60233	08/16/23 04:17	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	60255	08/15/23 09:38	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60332	08/15/23 19:07	SMC	EET MID

Client Sample ID: CS-44 (2.5')

Lab Sample ID: 880-32067-2

Date Collected: 08/14/23 00:00

Matrix: Solid

Date Received: 08/15/23 09:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	60300	08/15/23 14:29	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60239	08/16/23 07:16	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60356	08/16/23 09:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			60382	08/16/23 11:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	60271	08/15/23 10:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60233	08/16/23 04:38	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	60255	08/15/23 09:38	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60332	08/15/23 19:39	SMC	EET MID

Client Sample ID: CS-45 (2.5')

Lab Sample ID: 880-32067-3

Date Collected: 08/14/23 00:00

Matrix: Solid

Date Received: 08/15/23 09:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	60300	08/15/23 14:29	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60239	08/16/23 07:36	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60356	08/16/23 09:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			60382	08/16/23 11:05	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	60271	08/15/23 10:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60233	08/16/23 05:00	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	60255	08/15/23 09:38	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60332	08/15/23 19:49	SMC	EET MID

Client Sample ID: CS-48 (2.5')

Lab Sample ID: 880-32067-4

Date Collected: 08/14/23 00:00

Matrix: Solid

Date Received: 08/15/23 09:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	60300	08/15/23 14:29	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60239	08/16/23 07:56	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60356	08/16/23 09:08	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32067-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-48 (2.5')

Lab Sample ID: 880-32067-4

Date Collected: 08/14/23 00:00

Matrix: Solid

Date Received: 08/15/23 09:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			60382	08/16/23 11:05	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	60271	08/15/23 10:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60233	08/16/23 05:21	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	60255	08/15/23 09:38	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60332	08/15/23 19:59	SMC	EET MID

Client Sample ID: CS-49 (2.5')

Lab Sample ID: 880-32067-5

Date Collected: 08/14/23 00:00

Matrix: Solid

Date Received: 08/15/23 09:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	60300	08/15/23 14:29	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60239	08/16/23 08:17	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60356	08/16/23 09:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			60382	08/16/23 11:05	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	60271	08/15/23 10:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60233	08/16/23 05:42	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	60255	08/15/23 09:38	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60332	08/15/23 20:10	SMC	EET MID

Client Sample ID: CS-50 (2.5')

Lab Sample ID: 880-32067-6

Date Collected: 08/14/23 00:00

Matrix: Solid

Date Received: 08/15/23 09:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	60300	08/15/23 14:29	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60239	08/16/23 08:37	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60356	08/16/23 11:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			60382	08/16/23 11:05	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	60271	08/15/23 10:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60233	08/16/23 06:03	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	60255	08/15/23 09:38	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60332	08/15/23 20:41	SMC	EET MID

Client Sample ID: CS-51 (2.5')

Lab Sample ID: 880-32067-7

Date Collected: 08/14/23 00:00

Matrix: Solid

Date Received: 08/15/23 09:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	60300	08/15/23 14:29	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60239	08/16/23 08:58	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60356	08/16/23 11:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			60382	08/17/23 11:20	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	60293	08/15/23 12:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60345	08/16/23 11:16	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32067-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-51 (2.5')

Lab Sample ID: 880-32067-7

Date Collected: 08/14/23 00:00

Matrix: Solid

Date Received: 08/15/23 09:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	60255	08/15/23 09:38	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60332	08/15/23 20:51	SMC	EET MID

Client Sample ID: CS-52 (2.5')

Lab Sample ID: 880-32067-8

Date Collected: 08/14/23 00:00

Matrix: Solid

Date Received: 08/15/23 09:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	60300	08/15/23 14:29	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60239	08/16/23 09:18	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60356	08/16/23 11:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			60382	08/17/23 11:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	60293	08/15/23 12:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60345	08/16/23 12:26	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	60255	08/15/23 09:38	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60332	08/15/23 21:02	SMC	EET MID

Client Sample ID: CS-53 (2.5')

Lab Sample ID: 880-32067-9

Date Collected: 08/14/23 00:00

Matrix: Solid

Date Received: 08/15/23 09:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	60300	08/15/23 14:29	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60239	08/16/23 09:39	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60356	08/16/23 11:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			60382	08/17/23 11:20	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	60293	08/15/23 12:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60345	08/16/23 12:50	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	60255	08/15/23 09:38	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60332	08/15/23 21:12	SMC	EET MID

Client Sample ID: CS-54 (2.5')

Lab Sample ID: 880-32067-10

Date Collected: 08/14/23 00:00

Matrix: Solid

Date Received: 08/15/23 09:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	60300	08/15/23 14:29	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60239	08/16/23 09:59	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60356	08/16/23 11:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			60382	08/17/23 11:20	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	60293	08/15/23 12:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60345	08/16/23 13:13	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	60255	08/15/23 09:38	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60332	08/15/23 21:22	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32067-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-55 (2.5')

Lab Sample ID: 880-32067-11

Date Collected: 08/14/23 00:00

Matrix: Solid

Date Received: 08/15/23 09:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	60300	08/15/23 14:29	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60239	08/16/23 10:20	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60356	08/16/23 11:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			60382	08/17/23 11:20	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	60293	08/15/23 12:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60345	08/16/23 13:37	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	60255	08/15/23 09:38	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60332	08/15/23 21:33	SMC	EET MID

Client Sample ID: CS-56 (2.5')

Lab Sample ID: 880-32067-12

Date Collected: 08/14/23 00:00

Matrix: Solid

Date Received: 08/15/23 09:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	60364	08/16/23 09:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60348	08/16/23 17:10	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60356	08/17/23 10:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			60382	08/17/23 11:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	60293	08/15/23 12:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60345	08/16/23 14:03	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	60255	08/15/23 09:38	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60332	08/15/23 22:04	SMC	EET MID

Client Sample ID: CS-57 (2.5')

Lab Sample ID: 880-32067-13

Date Collected: 08/14/23 00:00

Matrix: Solid

Date Received: 08/15/23 09:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	60364	08/16/23 09:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60348	08/16/23 17:30	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60356	08/17/23 10:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			60382	08/17/23 11:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	60293	08/15/23 12:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60345	08/16/23 14:27	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	60255	08/15/23 09:38	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60332	08/15/23 22:14	SMC	EET MID

Client Sample ID: CS-58 (2.5')

Lab Sample ID: 880-32067-14

Date Collected: 08/14/23 00:00

Matrix: Solid

Date Received: 08/15/23 09:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	60364	08/16/23 09:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60348	08/16/23 17:50	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60356	08/17/23 10:00	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32067-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-58 (2.5')

Lab Sample ID: 880-32067-14

Date Collected: 08/14/23 00:00

Matrix: Solid

Date Received: 08/15/23 09:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			60382	08/17/23 11:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	60293	08/15/23 12:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60345	08/16/23 14:52	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	60255	08/15/23 09:38	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60332	08/15/23 22:45	SMC	EET MID

Client Sample ID: CS-59 (2.5')

Lab Sample ID: 880-32067-15

Date Collected: 08/14/23 00:00

Matrix: Solid

Date Received: 08/15/23 09:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	60364	08/16/23 09:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60348	08/16/23 18:11	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60356	08/17/23 10:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			60382	08/17/23 11:20	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	60293	08/15/23 12:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60345	08/16/23 15:17	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	60255	08/15/23 09:38	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60332	08/15/23 22:56	SMC	EET MID

Client Sample ID: CS-62 (2.5')

Lab Sample ID: 880-32067-16

Date Collected: 08/14/23 00:00

Matrix: Solid

Date Received: 08/15/23 09:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	60364	08/16/23 09:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60348	08/16/23 18:31	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60356	08/17/23 10:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			60382	08/17/23 11:20	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	60293	08/15/23 12:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60345	08/16/23 15:41	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	60255	08/15/23 09:38	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60332	08/15/23 23:06	SMC	EET MID

Client Sample ID: CS-66 (2.5')

Lab Sample ID: 880-32067-17

Date Collected: 08/14/23 00:00

Matrix: Solid

Date Received: 08/15/23 09:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	60364	08/16/23 09:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60348	08/16/23 18:52	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60356	08/17/23 10:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			60382	08/17/23 11:20	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	60293	08/15/23 12:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60345	08/16/23 16:33	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-32067-1
SDG: Lea County, New Mexico

Client Sample ID: CS-66 (2.5')

Lab Sample ID: 880-32067-17

Date Collected: 08/14/23 00:00

Matrix: Solid

Date Received: 08/15/23 09:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	60255	08/15/23 09:38	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60332	08/15/23 23:16	SMC	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: Modelo 533 Release

Job ID: 880-32067-1
 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	T104704400-23-26	06-30-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

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Method Summary

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-32067-1
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: Modelo 533 Release

Job ID: 880-32067-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-32067-1	CS-43 (2.5')	Solid	08/14/23 00:00	08/15/23 09:19
880-32067-2	CS-44 (2.5')	Solid	08/14/23 00:00	08/15/23 09:19
880-32067-3	CS-45 (2.5')	Solid	08/14/23 00:00	08/15/23 09:19
880-32067-4	CS-48 (2.5')	Solid	08/14/23 00:00	08/15/23 09:19
880-32067-5	CS-49 (2.5')	Solid	08/14/23 00:00	08/15/23 09:19
880-32067-6	CS-50 (2.5')	Solid	08/14/23 00:00	08/15/23 09:19
880-32067-7	CS-51 (2.5')	Solid	08/14/23 00:00	08/15/23 09:19
880-32067-8	CS-52 (2.5')	Solid	08/14/23 00:00	08/15/23 09:19
880-32067-9	CS-53 (2.5')	Solid	08/14/23 00:00	08/15/23 09:19
880-32067-10	CS-54 (2.5')	Solid	08/14/23 00:00	08/15/23 09:19
880-32067-11	CS-55 (2.5')	Solid	08/14/23 00:00	08/15/23 09:19
880-32067-12	CS-56 (2.5')	Solid	08/14/23 00:00	08/15/23 09:19
880-32067-13	CS-57 (2.5')	Solid	08/14/23 00:00	08/15/23 09:19
880-32067-14	CS-58 (2.5')	Solid	08/14/23 00:00	08/15/23 09:19
880-32067-15	CS-59 (2.5')	Solid	08/14/23 00:00	08/15/23 09:19
880-32067-16	CS-62 (2.5')	Solid	08/14/23 00:00	08/15/23 09:19
880-32067-17	CS-66 (2.5')	Solid	08/14/23 00:00	08/15/23 09:19

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Chain of Custody



890-32067 Chain of Custody

Project Manager: Conner Moehring
 Company Name: Carmona Resources
 Address: 310 W Wall St Ste 500
 City, State ZIP: Midland, TX 79701
 Phone: 432-813-6823

Bill to (if different): Todd Wells
 Company Name: EOG Resources
 Address: 5509 Champions Dr
 City, State ZIP: Midland Tx 79706
 Email: Todd.Wells@eogresources.com

Project Name: Modelo 533 Release
 Project Number: 1171
 Project Location: Lea County, New Mexico
 Sampler's Name: JR & JM
 PO #: [Blank]

Turn Around: Routine Rush
 Due Date: 24 HR

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

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	ANALYSIS REQUEST	Preservative Codes	Sample Comments
CS-43 (2.5)	8/14/2023		X		Comp	1	BTEX 8021B		None NO	
CS-44 (2.5)	8/14/2023		X		Comp	1	TPH 8015M (GRO + DRO + MRO)		DI Water- H ₂ O	
CS-45 (2.5)	8/14/2023		X		Comp	1	Chloride 300.0		MeOH Me	
CS-48 (2.5)	8/14/2023		X		Comp	1			HCL HC	
CS-49 (2.5)	8/14/2023		X		Comp	1			H ₂ SO ₄ H ₂	
CS-50 (2.5)	8/14/2023		X		Comp	1			H ₃ PO ₄ HP	
CS-51 (2.5)	8/14/2023		X		Comp	1			NaHSO ₄ NABIS	
CS-52 (2.5)	8/14/2023		X		Comp	1			Na ₂ S ₂ O ₃ NaSO ₃	
CS-53 (2.5)	8/14/2023		X		Comp	1			Zn Acetate+NaOH Zn	
CS-54 (2.5)	8/14/2023		X		Comp	1			NaOH+Ascorbic Acid SAPC	

Comments: Email to Mike Carmona / Mccarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by (Signature): [Signature]

Date/Time: 8/15/23 9:19

Received by (Signature): [Signature]

Date/Time: 8/15/23 9:19

Sample Comments: 402

Chain of Custody

Work Order No: 32007

Page 2 of 2

Project Manager	Conner Moehring	Bill to: (if different)	Todd Wells
Company Name	Carmona Resources	Company Name	EOG Resources
Address:	310 W Wall St Ste 500	Address	5509 Champions Dr
City, State ZIP	Midland TX 79701	City, State ZIP	Midland Tx 79706
Phone	432-813-6823	Email	Todd Wells@eogresources.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Ironfields <input type="checkbox"/> IRC <input type="checkbox"/> perfund <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	Project Number	Project Location	Sampler's Name	PO #	Turn Around		Pres. Code	ANALYSIS REQUEST			Preservative Codes	
					<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush		BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0		
Modelo 533 Release	1171	Lea County, New Mexico	JR & JM		<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush						
SAMPLE RECEIPT				Temp Blank	Yes No	Well Ice	Yes No	Parameters				
Received In tact:				Yes No	Thermometer ID							
Cooler Custody Seals				Yes No	Correction Factor							
Sample Custody Seals:				Yes No	Temperature Reading							
Total Containers:					Corrected Temperature							
Sample Identification				Date	Time	Soil	Water	Grab/Comp	# of Cont	Sample Comments		
CS-55 (2 5')				8/14/2023		X		Comp	1	X	X	X
CS-56 (2 5')				8/14/2023		X		Comp	1	X	X	X
CS-57 (2 5')				8/14/2023		X		Comp	1	X	X	X
CS-58 (2 5')				8/14/2023		X		Comp	1	X	X	X
CS-59 (2 5')				8/14/2023		X		Comp	1	X	X	X
CS-62 (2 5')				8/14/2023		X		Comp	1	X	X	X
CS-66 (2 5')				8/14/2023		X		Comp	1	X	X	X

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by (Signature)		Date/Time	Received by (Signature)		Date/Time
		8/15/23			8/15/23
		09:19			09:19

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-32067-1
 SDG Number: Lea County, New Mexico

Login Number: 32067

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 500
 Midland, Texas 79701

Generated 8/21/2023 2:56:01 PM

JOB DESCRIPTION

Modelo 533 Release
 SDG NUMBER Lea County, New Mexico

JOB NUMBER

880-32224-1

Eurofins Midland
 1211 W. Florida Ave
 Midland TX 79701



Eurofins Midland

Job Notes

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

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

Authorization



Generated
8/21/2023 2:56:01 PM

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

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Client: Carmona Resources
Project/Site: Modelo 533 Release

Laboratory Job ID: 880-32224-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-32224-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1-	Surrogate recovery exceeds control limits, 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: Modelo 533 Release

Job ID: 880-32224-1
SDG: Lea County, New Mexico

Job ID: 880-32224-1

Laboratory: Eurofins Midland

Narrative

**Job Narrative
880-32224-1**

Receipt

The samples were received on 8/17/2023 9:22 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.3°C

GC VOA

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-60466 and analytical batch 880-60525 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: The matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-60466 and analytical batch 880-60525 was outside control limits. Sample matrix interference and/or non-homogeneity is suspected.

Method 8021B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-60466 and analytical batch 880-60525 recovered outside control limits for the following analytes: Toluene, Ethylbenzene, m-Xylene & p-Xylene and o-Xylene.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-60525 recovered above the upper control limit for Benzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-60525/20).

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: (880-32224-A-1-F MS) and (880-32224-A-1-G MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-60570 and analytical batch 880-60614 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: Modelo 533 Release

Job ID: 880-32224-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-64 (2.75')

Lab Sample ID: 880-32224-1

Date Collected: 08/16/23 00:00

Matrix: Solid

Date Received: 08/17/23 09:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/17/23 13:00	08/18/23 12:01	1
Toluene	<0.00198	U *- *1	0.00198		mg/Kg		08/17/23 13:00	08/18/23 12:01	1
Ethylbenzene	<0.00198	U *- *1 F1	0.00198		mg/Kg		08/17/23 13:00	08/18/23 12:01	1
m-Xylene & p-Xylene	<0.00396	U *- *1 F1	0.00396		mg/Kg		08/17/23 13:00	08/18/23 12:01	1
o-Xylene	<0.00198	U *- *1 F1	0.00198		mg/Kg		08/17/23 13:00	08/18/23 12:01	1
Xylenes, Total	<0.00396	U *- *1 F1	0.00396		mg/Kg		08/17/23 13:00	08/18/23 12:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	72		70 - 130	08/17/23 13:00	08/18/23 12:01	1
1,4-Difluorobenzene (Surr)	111		70 - 130	08/17/23 13:00	08/18/23 12:01	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			08/21/23 11:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/21/23 10:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/18/23 10:45	08/19/23 11:07	1
Diesel Range Organics (Over C10-C28)	<49.8	U F1	49.8		mg/Kg		08/18/23 10:45	08/19/23 11:07	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/18/23 10:45	08/19/23 11:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130	08/18/23 10:45	08/19/23 11:07	1
o-Terphenyl	86		70 - 130	08/18/23 10:45	08/19/23 11:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	50.0		5.01		mg/Kg			08/18/23 02:49	1

Client Sample ID: SW-16 (2')

Lab Sample ID: 880-32224-2

Date Collected: 08/16/23 00:00

Matrix: Solid

Date Received: 08/17/23 09:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/17/23 13:00	08/18/23 12:22	1
Toluene	<0.00201	U *- *1	0.00201		mg/Kg		08/17/23 13:00	08/18/23 12:22	1
Ethylbenzene	<0.00201	U *- *1	0.00201		mg/Kg		08/17/23 13:00	08/18/23 12:22	1
m-Xylene & p-Xylene	<0.00402	U *- *1	0.00402		mg/Kg		08/17/23 13:00	08/18/23 12:22	1
o-Xylene	<0.00201	U *- *1	0.00201		mg/Kg		08/17/23 13:00	08/18/23 12:22	1
Xylenes, Total	<0.00402	U *- *1	0.00402		mg/Kg		08/17/23 13:00	08/18/23 12:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130	08/17/23 13:00	08/18/23 12:22	1
1,4-Difluorobenzene (Surr)	114		70 - 130	08/17/23 13:00	08/18/23 12:22	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32224-1
 SDG: Lea County, New Mexico

Client Sample ID: SW-16 (2')

Lab Sample ID: 880-32224-2

Date Collected: 08/16/23 00:00

Matrix: Solid

Date Received: 08/17/23 09:22

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			08/21/23 11:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			08/21/23 10:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		08/18/23 10:45	08/19/23 12:12	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		08/18/23 10:45	08/19/23 12:12	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		08/18/23 10:45	08/19/23 12:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130	08/18/23 10:45	08/19/23 12:12	1
o-Terphenyl	80		70 - 130	08/18/23 10:45	08/19/23 12:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.7		5.03		mg/Kg			08/18/23 02:56	1

Surrogate Summary

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32224-1
 SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
880-32224-1	CS-64 (2.75')	72	111
880-32224-1 MS	CS-64 (2.75')	87	106
880-32224-1 MSD	CS-64 (2.75')	83	108
880-32224-2	SW-16 (2')	81	114
LCS 880-60466/1-A	Lab Control Sample	46 S1-	79
LCSD 880-60466/2-A	Lab Control Sample Dup	90	103
MB 880-60466/5-A	Method Blank	74	94

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO1	OTPH1
		(70-130)	(70-130)
880-32224-1	CS-64 (2.75')	80	86
880-32224-1 MS	CS-64 (2.75')	82	68 S1-
880-32224-1 MSD	CS-64 (2.75')	87	68 S1-
880-32224-2	SW-16 (2')	75	80
LCS 880-60570/2-A	Lab Control Sample	99	101
LCSD 880-60570/3-A	Lab Control Sample Dup	104	100
MB 880-60570/1-A	Method Blank	107	115

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32224-1
 SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-60466/5-A
 Matrix: Solid
 Analysis Batch: 60525

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 60466

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/17/23 13:00	08/18/23 11:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/17/23 13:00	08/18/23 11:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/17/23 13:00	08/18/23 11:39	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/17/23 13:00	08/18/23 11:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/17/23 13:00	08/18/23 11:39	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/17/23 13:00	08/18/23 11:39	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	74		70 - 130	08/17/23 13:00	08/18/23 11:39	1
1,4-Difluorobenzene (Surr)	94		70 - 130	08/17/23 13:00	08/18/23 11:39	1

Lab Sample ID: LCS 880-60466/1-A
 Matrix: Solid
 Analysis Batch: 60525

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 60466

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1085		mg/Kg		108	70 - 130
Toluene	0.100	0.05476	*-	mg/Kg		55	70 - 130
Ethylbenzene	0.100	0.04346	*-	mg/Kg		43	70 - 130
m-Xylene & p-Xylene	0.200	0.08777	*-	mg/Kg		44	70 - 130
o-Xylene	0.100	0.04199	*-	mg/Kg		42	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	46	S1-	70 - 130
1,4-Difluorobenzene (Surr)	79		70 - 130

Lab Sample ID: LCSD 880-60466/2-A
 Matrix: Solid
 Analysis Batch: 60525

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 60466

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1110		mg/Kg		111	70 - 130	2	35
Toluene	0.100	0.1022	*1	mg/Kg		102	70 - 130	60	35
Ethylbenzene	0.100	0.08722	*1	mg/Kg		87	70 - 130	67	35
m-Xylene & p-Xylene	0.200	0.1836	*1	mg/Kg		92	70 - 130	71	35
o-Xylene	0.100	0.09055	*1	mg/Kg		91	70 - 130	73	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-32224-1 MS
 Matrix: Solid
 Analysis Batch: 60525

Client Sample ID: CS-64 (2.75')
 Prep Type: Total/NA
 Prep Batch: 60466

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00198	U	0.0996	0.1128		mg/Kg		113	70 - 130
Toluene	<0.00198	U *- *1	0.0996	0.09537		mg/Kg		96	70 - 130

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QC Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32224-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-32224-1 MS
 Matrix: Solid
 Analysis Batch: 60525

Client Sample ID: CS-64 (2.75')
 Prep Type: Total/NA
 Prep Batch: 60466

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00198	U *- *1 F1	0.0996	0.07643		mg/Kg		77	70 - 130
m-Xylene & p-Xylene	<0.00396	U *- *1 F1	0.199	0.1569		mg/Kg		79	70 - 130
o-Xylene	<0.00198	U *- *1 F1	0.0996	0.07842		mg/Kg		79	70 - 130

Surrogate	MS %Recovery	MS Qualifier	MS Limits
4-Bromofluorobenzene (Surr)	87		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: 880-32224-1 MSD
 Matrix: Solid
 Analysis Batch: 60525

Client Sample ID: CS-64 (2.75')
 Prep Type: Total/NA
 Prep Batch: 60466

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.100	0.1098		mg/Kg		110	70 - 130	3	35
Toluene	<0.00198	U *- *1	0.100	0.09026		mg/Kg		90	70 - 130	6	35
Ethylbenzene	<0.00198	U *- *1 F1	0.100	0.06801	F1	mg/Kg		68	70 - 130	12	35
m-Xylene & p-Xylene	<0.00396	U *- *1 F1	0.200	0.1347	F1	mg/Kg		67	70 - 130	15	35
o-Xylene	<0.00198	U *- *1 F1	0.100	0.06743	F1	mg/Kg		67	70 - 130	15	35

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
4-Bromofluorobenzene (Surr)	83		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

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

Lab Sample ID: MB 880-60570/1-A
 Matrix: Solid
 Analysis Batch: 60614

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 60570

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		08/18/23 10:45	08/19/23 08:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/18/23 10:45	08/19/23 08:00	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/18/23 10:45	08/19/23 08:00	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	08/18/23 10:45	08/19/23 08:00	1
o-Terphenyl	115		70 - 130	08/18/23 10:45	08/19/23 08:00	1

Lab Sample ID: LCS 880-60570/2-A
 Matrix: Solid
 Analysis Batch: 60614

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 60570

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	899.2		mg/Kg		90	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1019		mg/Kg		102	70 - 130

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QC Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32224-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-60570/2-A
Matrix: Solid
Analysis Batch: 60614

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 60570

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	99		70 - 130
o-Terphenyl	101		70 - 130

Lab Sample ID: LCSD 880-60570/3-A
Matrix: Solid
Analysis Batch: 60614

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 60570

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec		RPD	Limit
		Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	1000	900.0		mg/Kg		90	70 - 130	0		20
Diesel Range Organics (Over C10-C28)	1000	1095		mg/Kg		109	70 - 130	7		20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	104		70 - 130
o-Terphenyl	100		70 - 130

Lab Sample ID: 880-32224-1 MS
Matrix: Solid
Analysis Batch: 60614

Client Sample ID: CS-64 (2.75')
Prep Type: Total/NA
Prep Batch: 60570

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec	
				Result	Qualifier				Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	999	1122		mg/Kg		110	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.8	U F1	999	1554	F1	mg/Kg		152	70 - 130	

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	82		70 - 130
o-Terphenyl	68	S1-	70 - 130

Lab Sample ID: 880-32224-1 MSD
Matrix: Solid
Analysis Batch: 60614

Client Sample ID: CS-64 (2.75')
Prep Type: Total/NA
Prep Batch: 60570

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	<49.8	U	999	1156		mg/Kg		113	70 - 130	3		20
Diesel Range Organics (Over C10-C28)	<49.8	U F1	999	1604	F1	mg/Kg		157	70 - 130	3		20

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	87		70 - 130
o-Terphenyl	68	S1-	70 - 130

QC Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32224-1
 SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-60467/1-A
Matrix: Solid
Analysis Batch: 60528

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			08/17/23 23:57	1

Lab Sample ID: LCS 880-60467/2-A
Matrix: Solid
Analysis Batch: 60528

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	258.1		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-60467/3-A
Matrix: Solid
Analysis Batch: 60528

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	259.8		mg/Kg		104	90 - 110	1	20

Lab Sample ID: 890-5107-A-2-B MS
Matrix: Solid
Analysis Batch: 60528

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	58.8		249	309.3		mg/Kg		101	90 - 110

Lab Sample ID: 890-5107-A-2-C MSD
Matrix: Solid
Analysis Batch: 60528

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	58.8		249	310.9		mg/Kg		101	90 - 110	1	20

QC Association Summary

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32224-1
 SDG: Lea County, New Mexico

GC VOA

Prep Batch: 60466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32224-1	CS-64 (2.75')	Total/NA	Solid	5035	
880-32224-2	SW-16 (2')	Total/NA	Solid	5035	
MB 880-60466/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-60466/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-60466/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-32224-1 MS	CS-64 (2.75')	Total/NA	Solid	5035	
880-32224-1 MSD	CS-64 (2.75')	Total/NA	Solid	5035	

Analysis Batch: 60525

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32224-1	CS-64 (2.75')	Total/NA	Solid	8021B	60466
880-32224-2	SW-16 (2')	Total/NA	Solid	8021B	60466
MB 880-60466/5-A	Method Blank	Total/NA	Solid	8021B	60466
LCS 880-60466/1-A	Lab Control Sample	Total/NA	Solid	8021B	60466
LCSD 880-60466/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	60466
880-32224-1 MS	CS-64 (2.75')	Total/NA	Solid	8021B	60466
880-32224-1 MSD	CS-64 (2.75')	Total/NA	Solid	8021B	60466

Analysis Batch: 60696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32224-1	CS-64 (2.75')	Total/NA	Solid	Total BTEX	
880-32224-2	SW-16 (2')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 60570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32224-1	CS-64 (2.75')	Total/NA	Solid	8015NM Prep	
880-32224-2	SW-16 (2')	Total/NA	Solid	8015NM Prep	
MB 880-60570/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-60570/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-60570/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-32224-1 MS	CS-64 (2.75')	Total/NA	Solid	8015NM Prep	
880-32224-1 MSD	CS-64 (2.75')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 60614

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32224-1	CS-64 (2.75')	Total/NA	Solid	8015B NM	60570
880-32224-2	SW-16 (2')	Total/NA	Solid	8015B NM	60570
MB 880-60570/1-A	Method Blank	Total/NA	Solid	8015B NM	60570
LCS 880-60570/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	60570
LCSD 880-60570/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	60570
880-32224-1 MS	CS-64 (2.75')	Total/NA	Solid	8015B NM	60570
880-32224-1 MSD	CS-64 (2.75')	Total/NA	Solid	8015B NM	60570

Analysis Batch: 60672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32224-1	CS-64 (2.75')	Total/NA	Solid	8015 NM	
880-32224-2	SW-16 (2')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32224-1
 SDG: Lea County, New Mexico

HPLC/IC

Leach Batch: 60467

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32224-1	CS-64 (2.75')	Soluble	Solid	DI Leach	
880-32224-2	SW-16 (2')	Soluble	Solid	DI Leach	
MB 880-60467/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-60467/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-60467/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-5107-A-2-B MS	Matrix Spike	Soluble	Solid	DI Leach	
890-5107-A-2-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 60528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32224-1	CS-64 (2.75')	Soluble	Solid	300.0	60467
880-32224-2	SW-16 (2')	Soluble	Solid	300.0	60467
MB 880-60467/1-A	Method Blank	Soluble	Solid	300.0	60467
LCS 880-60467/2-A	Lab Control Sample	Soluble	Solid	300.0	60467
LCSD 880-60467/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	60467
890-5107-A-2-B MS	Matrix Spike	Soluble	Solid	300.0	60467
890-5107-A-2-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	60467

Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32224-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-64 (2.75')

Lab Sample ID: 880-32224-1

Date Collected: 08/16/23 00:00

Matrix: Solid

Date Received: 08/17/23 09:22

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	60466	08/17/23 13:00	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60525	08/18/23 12:01	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			60696	08/21/23 11:05	AJ	EET MID
Total/NA	Analysis	8015 NM		1			60672	08/21/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	60570	08/18/23 10:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60614	08/19/23 11:07	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	60467	08/17/23 13:00	SMC	EET MID
Soluble	Analysis	300.0		1			60528	08/18/23 02:49	CH	EET MID

Client Sample ID: SW-16 (2')

Lab Sample ID: 880-32224-2

Date Collected: 08/16/23 00:00

Matrix: Solid

Date Received: 08/17/23 09:22

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	60466	08/17/23 13:00	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60525	08/18/23 12:22	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			60696	08/21/23 11:05	AJ	EET MID
Total/NA	Analysis	8015 NM		1			60672	08/21/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	60570	08/18/23 10:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60614	08/19/23 12:12	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	60467	08/17/23 13:00	SMC	EET MID
Soluble	Analysis	300.0		1			60528	08/18/23 02:56	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32224-1
 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	T104704400-23-26	06-30-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

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Method Summary

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32224-1
 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: Modelo 533 Release

Job ID: 880-32224-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-32224-1	CS-64 (2.75')	Solid	08/16/23 00:00	08/17/23 09:22
880-32224-2	SW-16 (2')	Solid	08/16/23 00:00	08/17/23 09:22

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Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-32224-1
SDG Number: Lea County, New Mexico

Login Number: 32224

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 500
 Midland, Texas 79701

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JOB DESCRIPTION

Modelo 533 Release
 SDG NUMBER Lea County, New Mexico

JOB NUMBER

880-32364-1

Eurofins Midland
 1211 W. Florida Ave
 Midland TX 79701



Eurofins Midland

Job Notes

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

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

Authorization



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

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Client: Carmona Resources
Project/Site: Modelo 533 Release

Laboratory Job ID: 880-32364-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-32364-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-32364-1
SDG: Lea County, New Mexico

Job ID: 880-32364-1**Laboratory: Eurofins Midland****Narrative**

Job Narrative
880-32364-1

Receipt

The samples were received on 8/22/2023 8:36 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.3°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS-26 (2.5') (880-32364-1), CS-27 (2.5') (880-32364-2), CS-28 (2.5') (880-32364-3), CS-30 (2.5') (880-32364-4), CS-38 (2.5') (880-32364-5), CS-39 (2.5') (880-32364-6), CS-40 (2.5') (880-32364-7), CS-42 (2.5') (880-32364-8), CS-80 (2.75') (880-32364-9) and SW-28 (2.5') (880-32364-10).

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCS 880-60819/1-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following samples were outside control limits: CS-40 (2.5') (880-32364-7), CS-42 (2.5') (880-32364-8), CS-80 (2.75') (880-32364-9) and SW-28 (2.5') (880-32364-10). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The method blank for preparation batch 880-60581 and analytical batch 880-60780 contained Benzene above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-60819 and analytical batch 880-60780 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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 880-60786 and analytical batch 880-60776 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-60776/31) and (CCV 880-60776/47). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The method blank for preparation batch 880-60786 and analytical batch 880-60776 contained Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

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

HPLC/IC

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

Client Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-32364-1
SDG: Lea County, New Mexico

Client Sample ID: CS-26 (2.5')

Lab Sample ID: 880-32364-1

Date Collected: 08/21/23 00:00

Matrix: Solid

Date Received: 08/22/23 08:36

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		08/22/23 13:18	08/22/23 22:42	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/22/23 13:18	08/22/23 22:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/22/23 13:18	08/22/23 22:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/22/23 13:18	08/22/23 22:42	1
o-Xylene	<0.00199	U **	0.00199		mg/Kg		08/22/23 13:18	08/22/23 22:42	1
Xylenes, Total	<0.00398	U **	0.00398		mg/Kg		08/22/23 13:18	08/22/23 22:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	08/22/23 13:18	08/22/23 22:42	1
1,4-Difluorobenzene (Surr)	85		70 - 130	08/22/23 13:18	08/22/23 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			08/23/23 12:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			08/23/23 11:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		08/22/23 09:53	08/22/23 21:00	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		08/22/23 09:53	08/22/23 21:00	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		08/22/23 09:53	08/22/23 21:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	08/22/23 09:53	08/22/23 21:00	1
o-Terphenyl	97		70 - 130	08/22/23 09:53	08/22/23 21:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	46.7		5.02		mg/Kg			08/22/23 17:26	1

Client Sample ID: CS-27 (2.5')

Lab Sample ID: 880-32364-2

Date Collected: 08/21/23 00:00

Matrix: Solid

Date Received: 08/22/23 08:36

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		08/22/23 13:18	08/22/23 23:02	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/22/23 13:18	08/22/23 23:02	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/22/23 13:18	08/22/23 23:02	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/22/23 13:18	08/22/23 23:02	1
o-Xylene	<0.00202	U **	0.00202		mg/Kg		08/22/23 13:18	08/22/23 23:02	1
Xylenes, Total	<0.00404	U **	0.00404		mg/Kg		08/22/23 13:18	08/22/23 23:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	08/22/23 13:18	08/22/23 23:02	1
1,4-Difluorobenzene (Surr)	80		70 - 130	08/22/23 13:18	08/22/23 23:02	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32364-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-27 (2.5')

Lab Sample ID: 880-32364-2

Date Collected: 08/21/23 00:00

Matrix: Solid

Date Received: 08/22/23 08:36

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			08/23/23 12:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			08/23/23 11:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		08/22/23 09:53	08/22/23 22:06	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		08/22/23 09:53	08/22/23 22:06	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/22/23 09:53	08/22/23 22:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				08/22/23 09:53	08/22/23 22:06	1
o-Terphenyl	97		70 - 130				08/22/23 09:53	08/22/23 22:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	69.6		5.01		mg/Kg			08/22/23 17:46	1

Client Sample ID: CS-28 (2.5')

Lab Sample ID: 880-32364-3

Date Collected: 08/21/23 00:00

Matrix: Solid

Date Received: 08/22/23 08:36

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		08/22/23 13:18	08/22/23 23:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/22/23 13:18	08/22/23 23:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/22/23 13:18	08/22/23 23:23	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/22/23 13:18	08/22/23 23:23	1
o-Xylene	<0.00200	U **	0.00200		mg/Kg		08/22/23 13:18	08/22/23 23:23	1
Xylenes, Total	<0.00399	U **	0.00399		mg/Kg		08/22/23 13:18	08/22/23 23:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				08/22/23 13:18	08/22/23 23:23	1
1,4-Difluorobenzene (Surr)	78		70 - 130				08/22/23 13:18	08/22/23 23:23	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			08/23/23 12:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			08/23/23 11:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		08/22/23 09:53	08/22/23 22:27	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		08/22/23 09:53	08/22/23 22:27	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32364-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-28 (2.5')

Lab Sample ID: 880-32364-3

Date Collected: 08/21/23 00:00

Matrix: Solid

Date Received: 08/22/23 08:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/22/23 09:53	08/22/23 22:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				08/22/23 09:53	08/22/23 22:27	1
o-Terphenyl	96		70 - 130				08/22/23 09:53	08/22/23 22:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42.2		5.04		mg/Kg			08/22/23 17:52	1

Client Sample ID: CS-30 (2.5')

Lab Sample ID: 880-32364-4

Date Collected: 08/21/23 00:00

Matrix: Solid

Date Received: 08/22/23 08:36

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		08/22/23 13:18	08/22/23 23:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/22/23 13:18	08/22/23 23:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/22/23 13:18	08/22/23 23:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/22/23 13:18	08/22/23 23:43	1
o-Xylene	<0.00200	U **	0.00200		mg/Kg		08/22/23 13:18	08/22/23 23:43	1
Xylenes, Total	<0.00400	U **	0.00400		mg/Kg		08/22/23 13:18	08/22/23 23:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130				08/22/23 13:18	08/22/23 23:43	1
1,4-Difluorobenzene (Surr)	75		70 - 130				08/22/23 13:18	08/22/23 23:43	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			08/23/23 12:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/23/23 11:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/22/23 09:53	08/22/23 22:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/22/23 09:53	08/22/23 22:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/22/23 09:53	08/22/23 22:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				08/22/23 09:53	08/22/23 22:49	1
o-Terphenyl	98		70 - 130				08/22/23 09:53	08/22/23 22:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	57.7		5.03		mg/Kg			08/22/23 17:59	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-32364-1
SDG: Lea County, New Mexico

Client Sample ID: CS-38 (2.5')

Lab Sample ID: 880-32364-5

Date Collected: 08/21/23 00:00

Matrix: Solid

Date Received: 08/22/23 08:36

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		08/22/23 13:18	08/23/23 00:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/22/23 13:18	08/23/23 00:04	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/22/23 13:18	08/23/23 00:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/22/23 13:18	08/23/23 00:04	1
o-Xylene	<0.00199	U **	0.00199		mg/Kg		08/22/23 13:18	08/23/23 00:04	1
Xylenes, Total	<0.00398	U **	0.00398		mg/Kg		08/22/23 13:18	08/23/23 00:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	08/22/23 13:18	08/23/23 00:04	1
1,4-Difluorobenzene (Surr)	81		70 - 130	08/22/23 13:18	08/23/23 00:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/23/23 12:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/23/23 11:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/22/23 09:53	08/22/23 23:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/22/23 09:53	08/22/23 23:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/22/23 09:53	08/22/23 23:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	08/22/23 09:53	08/22/23 23:11	1
o-Terphenyl	96		70 - 130	08/22/23 09:53	08/22/23 23:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	52.2		5.02		mg/Kg			08/22/23 18:06	1

Client Sample ID: CS-39 (2.5')

Lab Sample ID: 880-32364-6

Date Collected: 08/21/23 00:00

Matrix: Solid

Date Received: 08/22/23 08:36

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		08/22/23 13:18	08/23/23 00:24	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/22/23 13:18	08/23/23 00:24	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/22/23 13:18	08/23/23 00:24	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/22/23 13:18	08/23/23 00:24	1
o-Xylene	<0.00202	U **	0.00202		mg/Kg		08/22/23 13:18	08/23/23 00:24	1
Xylenes, Total	<0.00403	U **	0.00403		mg/Kg		08/22/23 13:18	08/23/23 00:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	08/22/23 13:18	08/23/23 00:24	1
1,4-Difluorobenzene (Surr)	79		70 - 130	08/22/23 13:18	08/23/23 00:24	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32364-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-39 (2.5')

Lab Sample ID: 880-32364-6

Date Collected: 08/21/23 00:00

Matrix: Solid

Date Received: 08/22/23 08:36

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			08/23/23 12:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			08/23/23 11:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		08/22/23 09:53	08/22/23 23:34	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		08/22/23 09:53	08/22/23 23:34	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		08/22/23 09:53	08/22/23 23:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				08/22/23 09:53	08/22/23 23:34	1
o-Terphenyl	99		70 - 130				08/22/23 09:53	08/22/23 23:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	64.0		5.01		mg/Kg			08/22/23 18:26	1

Client Sample ID: CS-40 (2.5')

Lab Sample ID: 880-32364-7

Date Collected: 08/21/23 00:00

Matrix: Solid

Date Received: 08/22/23 08:36

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		08/22/23 13:18	08/23/23 00:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/22/23 13:18	08/23/23 00:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/22/23 13:18	08/23/23 00:45	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/22/23 13:18	08/23/23 00:45	1
o-Xylene	<0.00200	U **	0.00200		mg/Kg		08/22/23 13:18	08/23/23 00:45	1
Xylenes, Total	<0.00401	U **	0.00401		mg/Kg		08/22/23 13:18	08/23/23 00:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				08/22/23 13:18	08/23/23 00:45	1
1,4-Difluorobenzene (Surr)	61	S1-	70 - 130				08/22/23 13:18	08/23/23 00:45	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			08/23/23 12:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			08/23/23 11:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		08/22/23 09:53	08/22/23 23:56	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		08/22/23 09:53	08/22/23 23:56	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32364-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-40 (2.5')

Lab Sample ID: 880-32364-7

Date Collected: 08/21/23 00:00

Matrix: Solid

Date Received: 08/22/23 08:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		08/22/23 09:53	08/22/23 23:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				08/22/23 09:53	08/22/23 23:56	1
o-Terphenyl	97		70 - 130				08/22/23 09:53	08/22/23 23:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.9		4.98		mg/Kg			08/22/23 18:32	1

Client Sample ID: CS-42 (2.5')

Lab Sample ID: 880-32364-8

Date Collected: 08/21/23 00:00

Matrix: Solid

Date Received: 08/22/23 08:36

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		08/22/23 13:18	08/23/23 01:05	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/22/23 13:18	08/23/23 01:05	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/22/23 13:18	08/23/23 01:05	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/22/23 13:18	08/23/23 01:05	1
o-Xylene	<0.00201	U **	0.00201		mg/Kg		08/22/23 13:18	08/23/23 01:05	1
Xylenes, Total	<0.00402	U **	0.00402		mg/Kg		08/22/23 13:18	08/23/23 01:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				08/22/23 13:18	08/23/23 01:05	1
1,4-Difluorobenzene (Surr)	67	S1-	70 - 130				08/22/23 13:18	08/23/23 01:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/23/23 12:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			08/23/23 11:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/22/23 09:53	08/23/23 00:18	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/22/23 09:53	08/23/23 00:18	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/22/23 09:53	08/23/23 00:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				08/22/23 09:53	08/23/23 00:18	1
o-Terphenyl	97		70 - 130				08/22/23 09:53	08/23/23 00:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.8		4.99		mg/Kg			08/22/23 18:39	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32364-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-80 (2.75')

Lab Sample ID: 880-32364-9

Date Collected: 08/21/23 00:00

Matrix: Solid

Date Received: 08/22/23 08:36

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		08/22/23 13:18	08/23/23 01:26	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/22/23 13:18	08/23/23 01:26	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/22/23 13:18	08/23/23 01:26	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/22/23 13:18	08/23/23 01:26	1
o-Xylene	<0.00201	U **	0.00201		mg/Kg		08/22/23 13:18	08/23/23 01:26	1
Xylenes, Total	<0.00402	U **	0.00402		mg/Kg		08/22/23 13:18	08/23/23 01:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	08/22/23 13:18	08/23/23 01:26	1
1,4-Difluorobenzene (Surr)	59	S1-	70 - 130	08/22/23 13:18	08/23/23 01:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/23/23 12:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/23/23 11:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/22/23 09:53	08/23/23 00:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/22/23 09:53	08/23/23 00:39	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/22/23 09:53	08/23/23 00:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130	08/22/23 09:53	08/23/23 00:39	1
o-Terphenyl	99		70 - 130	08/22/23 09:53	08/23/23 00:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	77.8		4.97		mg/Kg			08/22/23 18:46	1

Client Sample ID: SW-28 (2.5')

Lab Sample ID: 880-32364-10

Date Collected: 08/21/23 00:00

Matrix: Solid

Date Received: 08/22/23 08:36

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		08/22/23 13:18	08/23/23 01:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/22/23 13:18	08/23/23 01:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/22/23 13:18	08/23/23 01:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/22/23 13:18	08/23/23 01:46	1
o-Xylene	<0.00199	U **	0.00199		mg/Kg		08/22/23 13:18	08/23/23 01:46	1
Xylenes, Total	<0.00398	U **	0.00398		mg/Kg		08/22/23 13:18	08/23/23 01:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	08/22/23 13:18	08/23/23 01:46	1
1,4-Difluorobenzene (Surr)	55	S1-	70 - 130	08/22/23 13:18	08/23/23 01:46	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32364-1
 SDG: Lea County, New Mexico

Client Sample ID: SW-28 (2.5')

Lab Sample ID: 880-32364-10

Date Collected: 08/21/23 00:00

Matrix: Solid

Date Received: 08/22/23 08:36

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			08/23/23 12:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			08/23/23 11:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		08/22/23 09:53	08/23/23 01:01	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		08/22/23 09:53	08/23/23 01:01	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/22/23 09:53	08/23/23 01:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				08/22/23 09:53	08/23/23 01:01	1
o-Terphenyl	97		70 - 130				08/22/23 09:53	08/23/23 01:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49.3		4.96		mg/Kg			08/22/23 18:52	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-32364-1
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)
880-32364-1	CS-26 (2.5')	93	85
880-32364-1 MS	CS-26 (2.5')	120	115
880-32364-1 MSD	CS-26 (2.5')	125	94
880-32364-2	CS-27 (2.5')	99	80
880-32364-3	CS-28 (2.5')	100	78
880-32364-4	CS-30 (2.5')	86	75
880-32364-5	CS-38 (2.5')	98	81
880-32364-6	CS-39 (2.5')	97	79
880-32364-7	CS-40 (2.5')	95	61 S1-
880-32364-8	CS-42 (2.5')	97	67 S1-
880-32364-9	CS-80 (2.75')	102	59 S1-
880-32364-10	SW-28 (2.5')	96	55 S1-
LCS 880-60819/1-A	Lab Control Sample	131 S1+	113
LCSD 880-60819/2-A	Lab Control Sample Dup	118	111
MB 880-60581/5-A	Method Blank	73	97
MB 880-60819/5-A	Method Blank	76	79

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)
880-32364-1	CS-26 (2.5')	112	97
880-32364-1 MS	CS-26 (2.5')	106	80
880-32364-1 MSD	CS-26 (2.5')	111	85
880-32364-2	CS-27 (2.5')	116	97
880-32364-3	CS-28 (2.5')	114	96
880-32364-4	CS-30 (2.5')	116	98
880-32364-5	CS-38 (2.5')	113	96
880-32364-6	CS-39 (2.5')	117	99
880-32364-7	CS-40 (2.5')	117	97
880-32364-8	CS-42 (2.5')	114	97
880-32364-9	CS-80 (2.75')	118	99
880-32364-10	SW-28 (2.5')	113	97
LCS 880-60786/2-A	Lab Control Sample	111	94
LCSD 880-60786/3-A	Lab Control Sample Dup	119	104
MB 880-60786/1-A	Method Blank	181 S1+	161 S1+

Surrogate Legend
1CO = 1-Chlorooctane
OTPH = o-Terphenyl

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QC Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32364-1
 SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-60581/5-A
 Matrix: Solid
 Analysis Batch: 60780

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 60581

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		08/18/23 15:00	08/22/23 11:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/18/23 15:00	08/22/23 11:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/18/23 15:00	08/22/23 11:44	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/18/23 15:00	08/22/23 11:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/18/23 15:00	08/22/23 11:44	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/18/23 15:00	08/22/23 11:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	73		70 - 130				08/18/23 15:00	08/22/23 11:44	1
1,4-Difluorobenzene (Surr)	97		70 - 130				08/18/23 15:00	08/22/23 11:44	1

Lab Sample ID: MB 880-60819/5-A
 Matrix: Solid
 Analysis Batch: 60780

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 60819

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		08/22/23 13:18	08/22/23 22:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/22/23 13:18	08/22/23 22:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/22/23 13:18	08/22/23 22:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/22/23 13:18	08/22/23 22:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/22/23 13:18	08/22/23 22:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/22/23 13:18	08/22/23 22:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130				08/22/23 13:18	08/22/23 22:20	1
1,4-Difluorobenzene (Surr)	79		70 - 130				08/22/23 13:18	08/22/23 22:20	1

Lab Sample ID: LCS 880-60819/1-A
 Matrix: Solid
 Analysis Batch: 60780

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 60819

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Toluene	0.100	0.1184		mg/Kg		118	70 - 130
Ethylbenzene	0.100	0.1166		mg/Kg		117	70 - 130
m-Xylene & p-Xylene	0.200	0.2598		mg/Kg		130	70 - 130
o-Xylene	0.100	0.1696	*+	mg/Kg		170	70 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130				
1,4-Difluorobenzene (Surr)	113		70 - 130				

Lab Sample ID: LCSD 880-60819/2-A
 Matrix: Solid
 Analysis Batch: 60780

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 60819

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Benzene	0.100	0.09895		mg/Kg		99	70 - 130	5	35

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QC Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32364-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-60819/2-A
 Matrix: Solid
 Analysis Batch: 60780

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 60819

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.1109		mg/Kg		111	70 - 130	7	35
Ethylbenzene	0.100	0.1067		mg/Kg		107	70 - 130	9	35
m-Xylene & p-Xylene	0.200	0.2329		mg/Kg		116	70 - 130	11	35
o-Xylene	0.100	0.1228		mg/Kg		123	70 - 130	32	35

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: 880-32364-1 MS
 Matrix: Solid
 Analysis Batch: 60780

Client Sample ID: CS-26 (2.5')
 Prep Type: Total/NA
 Prep Batch: 60819

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.101	0.08869		mg/Kg		88	70 - 130
Toluene	<0.00199	U	0.101	0.08968		mg/Kg		89	70 - 130
Ethylbenzene	<0.00199	U	0.101	0.08870		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1904		mg/Kg		94	70 - 130
o-Xylene	<0.00199	U *	0.101	0.1008		mg/Kg		100	70 - 130

Surrogate	MS %Recovery	MS Qualifier	MS Limits
4-Bromofluorobenzene (Surr)	120		70 - 130
1,4-Difluorobenzene (Surr)	115		70 - 130

Lab Sample ID: 880-32364-1 MSD
 Matrix: Solid
 Analysis Batch: 60780

Client Sample ID: CS-26 (2.5')
 Prep Type: Total/NA
 Prep Batch: 60819

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0990	0.08004		mg/Kg		81	70 - 130	10	35
Toluene	<0.00199	U	0.0990	0.08910		mg/Kg		90	70 - 130	1	35
Ethylbenzene	<0.00199	U	0.0990	0.09029		mg/Kg		91	70 - 130	2	35
m-Xylene & p-Xylene	<0.00398	U	0.198	0.1931		mg/Kg		98	70 - 130	1	35
o-Xylene	<0.00199	U *	0.0990	0.09858		mg/Kg		100	70 - 130	2	35

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
4-Bromofluorobenzene (Surr)	125		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

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

Lab Sample ID: MB 880-60786/1-A
 Matrix: Solid
 Analysis Batch: 60776

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 60786

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		08/22/23 09:52	08/22/23 19:54	1

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QC Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32364-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-60786/1-A
Matrix: Solid
Analysis Batch: 60776

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 60786

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		08/22/23 09:52	08/22/23 19:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/22/23 09:52	08/22/23 19:54	1
Surrogate	MB MB		Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
1-Chlorooctane	181	S1+	70 - 130				08/22/23 09:52	08/22/23 19:54	1
o-Terphenyl	161	S1+	70 - 130				08/22/23 09:52	08/22/23 19:54	1

Lab Sample ID: LCS 880-60786/2-A
Matrix: Solid
Analysis Batch: 60776

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 60786

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	1000	897.6		mg/Kg		90	70 - 130
Surrogate	LCS LCS		Limits				%Rec
	%Recovery	Qualifier					
1-Chlorooctane	111		70 - 130				
o-Terphenyl	94		70 - 130				

Lab Sample ID: LCSD 880-60786/3-A
Matrix: Solid
Analysis Batch: 60776

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 60786

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	974.0		mg/Kg		97	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	951.9		mg/Kg		95	70 - 130	6	20
Surrogate	LCSD LCSD		Limits			%Rec	%Rec	RPD	Limit
	%Recovery	Qualifier							
1-Chlorooctane	119		70 - 130						
o-Terphenyl	104		70 - 130						

Lab Sample ID: 880-32364-1 MS
Matrix: Solid
Analysis Batch: 60776

Client Sample ID: CS-26 (2.5')
Prep Type: Total/NA
Prep Batch: 60786

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	<50.3	U	993	1003		mg/Kg		99	70 - 130
Surrogate	MS MS		Limits					%Rec	%Rec
	%Recovery	Qualifier							
1-Chlorooctane	106		70 - 130						
o-Terphenyl	80		70 - 130						

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QC Sample Results

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32364-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-32364-1 MSD
 Matrix: Solid
 Analysis Batch: 60776

Client Sample ID: CS-26 (2.5')
 Prep Type: Total/NA
 Prep Batch: 60786

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	993	1155		mg/Kg		113	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<50.3	U	993	1069		mg/Kg		105	70 - 130	6	20
Surrogate	%Recovery	MSD Qualifier	MSD	Limits							
1-Chlorooctane	111			70 - 130							
o-Terphenyl	85			70 - 130							

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-60783/1-A
 Matrix: Solid
 Analysis Batch: 60824

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			08/22/23 17:05	1

Lab Sample ID: LCS 880-60783/2-A
 Matrix: Solid
 Analysis Batch: 60824

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	256.6		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-60783/3-A
 Matrix: Solid
 Analysis Batch: 60824

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	258.2		mg/Kg		103	90 - 110	1	20

Lab Sample ID: 880-32364-1 MS
 Matrix: Solid
 Analysis Batch: 60824

Client Sample ID: CS-26 (2.5')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	46.7		251	299.7		mg/Kg		101	90 - 110

Lab Sample ID: 880-32364-1 MSD
 Matrix: Solid
 Analysis Batch: 60824

Client Sample ID: CS-26 (2.5')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	46.7		251	302.2		mg/Kg		102	90 - 110	1	20

QC Association Summary

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32364-1
 SDG: Lea County, New Mexico

GC VOA

Prep Batch: 60581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-60581/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 60780

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32364-1	CS-26 (2.5')	Total/NA	Solid	8021B	60819
880-32364-2	CS-27 (2.5')	Total/NA	Solid	8021B	60819
880-32364-3	CS-28 (2.5')	Total/NA	Solid	8021B	60819
880-32364-4	CS-30 (2.5')	Total/NA	Solid	8021B	60819
880-32364-5	CS-38 (2.5')	Total/NA	Solid	8021B	60819
880-32364-6	CS-39 (2.5')	Total/NA	Solid	8021B	60819
880-32364-7	CS-40 (2.5')	Total/NA	Solid	8021B	60819
880-32364-8	CS-42 (2.5')	Total/NA	Solid	8021B	60819
880-32364-9	CS-80 (2.75')	Total/NA	Solid	8021B	60819
880-32364-10	SW-28 (2.5')	Total/NA	Solid	8021B	60819
MB 880-60581/5-A	Method Blank	Total/NA	Solid	8021B	60581
MB 880-60819/5-A	Method Blank	Total/NA	Solid	8021B	60819
LCS 880-60819/1-A	Lab Control Sample	Total/NA	Solid	8021B	60819
LCS 880-60819/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	60819
880-32364-1 MS	CS-26 (2.5')	Total/NA	Solid	8021B	60819
880-32364-1 MSD	CS-26 (2.5')	Total/NA	Solid	8021B	60819

Prep Batch: 60819

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32364-1	CS-26 (2.5')	Total/NA	Solid	5035	
880-32364-2	CS-27 (2.5')	Total/NA	Solid	5035	
880-32364-3	CS-28 (2.5')	Total/NA	Solid	5035	
880-32364-4	CS-30 (2.5')	Total/NA	Solid	5035	
880-32364-5	CS-38 (2.5')	Total/NA	Solid	5035	
880-32364-6	CS-39 (2.5')	Total/NA	Solid	5035	
880-32364-7	CS-40 (2.5')	Total/NA	Solid	5035	
880-32364-8	CS-42 (2.5')	Total/NA	Solid	5035	
880-32364-9	CS-80 (2.75')	Total/NA	Solid	5035	
880-32364-10	SW-28 (2.5')	Total/NA	Solid	5035	
MB 880-60819/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-60819/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 880-60819/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-32364-1 MS	CS-26 (2.5')	Total/NA	Solid	5035	
880-32364-1 MSD	CS-26 (2.5')	Total/NA	Solid	5035	

Analysis Batch: 60920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32364-1	CS-26 (2.5')	Total/NA	Solid	Total BTEX	
880-32364-2	CS-27 (2.5')	Total/NA	Solid	Total BTEX	
880-32364-3	CS-28 (2.5')	Total/NA	Solid	Total BTEX	
880-32364-4	CS-30 (2.5')	Total/NA	Solid	Total BTEX	
880-32364-5	CS-38 (2.5')	Total/NA	Solid	Total BTEX	
880-32364-6	CS-39 (2.5')	Total/NA	Solid	Total BTEX	
880-32364-7	CS-40 (2.5')	Total/NA	Solid	Total BTEX	
880-32364-8	CS-42 (2.5')	Total/NA	Solid	Total BTEX	
880-32364-9	CS-80 (2.75')	Total/NA	Solid	Total BTEX	
880-32364-10	SW-28 (2.5')	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32364-1
 SDG: Lea County, New Mexico

GC Semi VOA

Analysis Batch: 60776

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32364-1	CS-26 (2.5')	Total/NA	Solid	8015B NM	60786
880-32364-2	CS-27 (2.5')	Total/NA	Solid	8015B NM	60786
880-32364-3	CS-28 (2.5')	Total/NA	Solid	8015B NM	60786
880-32364-4	CS-30 (2.5')	Total/NA	Solid	8015B NM	60786
880-32364-5	CS-38 (2.5')	Total/NA	Solid	8015B NM	60786
880-32364-6	CS-39 (2.5')	Total/NA	Solid	8015B NM	60786
880-32364-7	CS-40 (2.5')	Total/NA	Solid	8015B NM	60786
880-32364-8	CS-42 (2.5')	Total/NA	Solid	8015B NM	60786
880-32364-9	CS-80 (2.75')	Total/NA	Solid	8015B NM	60786
880-32364-10	SW-28 (2.5')	Total/NA	Solid	8015B NM	60786
MB 880-60786/1-A	Method Blank	Total/NA	Solid	8015B NM	60786
LCS 880-60786/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	60786
LCSD 880-60786/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	60786
880-32364-1 MS	CS-26 (2.5')	Total/NA	Solid	8015B NM	60786
880-32364-1 MSD	CS-26 (2.5')	Total/NA	Solid	8015B NM	60786

Prep Batch: 60786

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32364-1	CS-26 (2.5')	Total/NA	Solid	8015NM Prep	
880-32364-2	CS-27 (2.5')	Total/NA	Solid	8015NM Prep	
880-32364-3	CS-28 (2.5')	Total/NA	Solid	8015NM Prep	
880-32364-4	CS-30 (2.5')	Total/NA	Solid	8015NM Prep	
880-32364-5	CS-38 (2.5')	Total/NA	Solid	8015NM Prep	
880-32364-6	CS-39 (2.5')	Total/NA	Solid	8015NM Prep	
880-32364-7	CS-40 (2.5')	Total/NA	Solid	8015NM Prep	
880-32364-8	CS-42 (2.5')	Total/NA	Solid	8015NM Prep	
880-32364-9	CS-80 (2.75')	Total/NA	Solid	8015NM Prep	
880-32364-10	SW-28 (2.5')	Total/NA	Solid	8015NM Prep	
MB 880-60786/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-60786/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-60786/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-32364-1 MS	CS-26 (2.5')	Total/NA	Solid	8015NM Prep	
880-32364-1 MSD	CS-26 (2.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 60898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32364-1	CS-26 (2.5')	Total/NA	Solid	8015 NM	
880-32364-2	CS-27 (2.5')	Total/NA	Solid	8015 NM	
880-32364-3	CS-28 (2.5')	Total/NA	Solid	8015 NM	
880-32364-4	CS-30 (2.5')	Total/NA	Solid	8015 NM	
880-32364-5	CS-38 (2.5')	Total/NA	Solid	8015 NM	
880-32364-6	CS-39 (2.5')	Total/NA	Solid	8015 NM	
880-32364-7	CS-40 (2.5')	Total/NA	Solid	8015 NM	
880-32364-8	CS-42 (2.5')	Total/NA	Solid	8015 NM	
880-32364-9	CS-80 (2.75')	Total/NA	Solid	8015 NM	
880-32364-10	SW-28 (2.5')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32364-1
 SDG: Lea County, New Mexico

HPLC/IC

Leach Batch: 60783

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32364-1	CS-26 (2.5')	Soluble	Solid	DI Leach	
880-32364-2	CS-27 (2.5')	Soluble	Solid	DI Leach	
880-32364-3	CS-28 (2.5')	Soluble	Solid	DI Leach	
880-32364-4	CS-30 (2.5')	Soluble	Solid	DI Leach	
880-32364-5	CS-38 (2.5')	Soluble	Solid	DI Leach	
880-32364-6	CS-39 (2.5')	Soluble	Solid	DI Leach	
880-32364-7	CS-40 (2.5')	Soluble	Solid	DI Leach	
880-32364-8	CS-42 (2.5')	Soluble	Solid	DI Leach	
880-32364-9	CS-80 (2.75')	Soluble	Solid	DI Leach	
880-32364-10	SW-28 (2.5')	Soluble	Solid	DI Leach	
MB 880-60783/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-60783/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-60783/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-32364-1 MS	CS-26 (2.5')	Soluble	Solid	DI Leach	
880-32364-1 MSD	CS-26 (2.5')	Soluble	Solid	DI Leach	

Analysis Batch: 60824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32364-1	CS-26 (2.5')	Soluble	Solid	300.0	60783
880-32364-2	CS-27 (2.5')	Soluble	Solid	300.0	60783
880-32364-3	CS-28 (2.5')	Soluble	Solid	300.0	60783
880-32364-4	CS-30 (2.5')	Soluble	Solid	300.0	60783
880-32364-5	CS-38 (2.5')	Soluble	Solid	300.0	60783
880-32364-6	CS-39 (2.5')	Soluble	Solid	300.0	60783
880-32364-7	CS-40 (2.5')	Soluble	Solid	300.0	60783
880-32364-8	CS-42 (2.5')	Soluble	Solid	300.0	60783
880-32364-9	CS-80 (2.75')	Soluble	Solid	300.0	60783
880-32364-10	SW-28 (2.5')	Soluble	Solid	300.0	60783
MB 880-60783/1-A	Method Blank	Soluble	Solid	300.0	60783
LCS 880-60783/2-A	Lab Control Sample	Soluble	Solid	300.0	60783
LCSD 880-60783/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	60783
880-32364-1 MS	CS-26 (2.5')	Soluble	Solid	300.0	60783
880-32364-1 MSD	CS-26 (2.5')	Soluble	Solid	300.0	60783

Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32364-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-26 (2.5')

Lab Sample ID: 880-32364-1

Date Collected: 08/21/23 00:00

Matrix: Solid

Date Received: 08/22/23 08:36

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	60819	08/22/23 13:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60780	08/22/23 22:42	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			60920	08/23/23 12:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			60898	08/23/23 11:00	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	60786	08/22/23 09:53	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60776	08/22/23 21:00	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	60783	08/22/23 09:02	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60824	08/22/23 17:26	CH	EET MID

Client Sample ID: CS-27 (2.5')

Lab Sample ID: 880-32364-2

Date Collected: 08/21/23 00:00

Matrix: Solid

Date Received: 08/22/23 08:36

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	60819	08/22/23 13:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60780	08/22/23 23:02	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			60920	08/23/23 12:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			60898	08/23/23 11:00	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	60786	08/22/23 09:53	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60776	08/22/23 22:06	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	60783	08/22/23 09:02	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60824	08/22/23 17:46	CH	EET MID

Client Sample ID: CS-28 (2.5')

Lab Sample ID: 880-32364-3

Date Collected: 08/21/23 00:00

Matrix: Solid

Date Received: 08/22/23 08:36

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	60819	08/22/23 13:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60780	08/22/23 23:23	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			60920	08/23/23 12:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			60898	08/23/23 11:00	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	60786	08/22/23 09:53	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60776	08/22/23 22:27	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	60783	08/22/23 09:02	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60824	08/22/23 17:52	CH	EET MID

Client Sample ID: CS-30 (2.5')

Lab Sample ID: 880-32364-4

Date Collected: 08/21/23 00:00

Matrix: Solid

Date Received: 08/22/23 08:36

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	60819	08/22/23 13:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60780	08/22/23 23:43	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			60920	08/23/23 12:35	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32364-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-30 (2.5')

Lab Sample ID: 880-32364-4

Date Collected: 08/21/23 00:00

Matrix: Solid

Date Received: 08/22/23 08:36

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			60898	08/23/23 11:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	60786	08/22/23 09:53	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60776	08/22/23 22:49	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	60783	08/22/23 09:02	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60824	08/22/23 17:59	CH	EET MID

Client Sample ID: CS-38 (2.5')

Lab Sample ID: 880-32364-5

Date Collected: 08/21/23 00:00

Matrix: Solid

Date Received: 08/22/23 08:36

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	60819	08/22/23 13:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60780	08/23/23 00:04	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			60920	08/23/23 12:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			60898	08/23/23 11:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	60786	08/22/23 09:53	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60776	08/22/23 23:11	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	60783	08/22/23 09:02	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60824	08/22/23 18:06	CH	EET MID

Client Sample ID: CS-39 (2.5')

Lab Sample ID: 880-32364-6

Date Collected: 08/21/23 00:00

Matrix: Solid

Date Received: 08/22/23 08:36

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	60819	08/22/23 13:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60780	08/23/23 00:24	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			60920	08/23/23 12:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			60898	08/23/23 11:00	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	60786	08/22/23 09:53	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60776	08/22/23 23:34	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	60783	08/22/23 09:02	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60824	08/22/23 18:26	CH	EET MID

Client Sample ID: CS-40 (2.5')

Lab Sample ID: 880-32364-7

Date Collected: 08/21/23 00:00

Matrix: Solid

Date Received: 08/22/23 08:36

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	60819	08/22/23 13:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60780	08/23/23 00:45	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			60920	08/23/23 12:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			60898	08/23/23 11:00	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	60786	08/22/23 09:53	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60776	08/22/23 23:56	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32364-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-40 (2.5')

Lab Sample ID: 880-32364-7

Date Collected: 08/21/23 00:00

Matrix: Solid

Date Received: 08/22/23 08:36

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	60783	08/22/23 09:02	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60824	08/22/23 18:32	CH	EET MID

Client Sample ID: CS-42 (2.5')

Lab Sample ID: 880-32364-8

Date Collected: 08/21/23 00:00

Matrix: Solid

Date Received: 08/22/23 08:36

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	60819	08/22/23 13:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60780	08/23/23 01:05	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			60920	08/23/23 12:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			60898	08/23/23 11:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	60786	08/22/23 09:53	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60776	08/23/23 00:18	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	60783	08/22/23 09:02	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60824	08/22/23 18:39	CH	EET MID

Client Sample ID: CS-80 (2.75')

Lab Sample ID: 880-32364-9

Date Collected: 08/21/23 00:00

Matrix: Solid

Date Received: 08/22/23 08:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	60819	08/22/23 13:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60780	08/23/23 01:26	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			60920	08/23/23 12:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			60898	08/23/23 11:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	60786	08/22/23 09:53	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60776	08/23/23 00:39	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	60783	08/22/23 09:02	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60824	08/22/23 18:46	CH	EET MID

Client Sample ID: SW-28 (2.5')

Lab Sample ID: 880-32364-10

Date Collected: 08/21/23 00:00

Matrix: Solid

Date Received: 08/22/23 08:36

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	60819	08/22/23 13:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60780	08/23/23 01:46	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			60920	08/23/23 12:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			60898	08/23/23 11:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	60786	08/22/23 09:53	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60776	08/23/23 01:01	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	60783	08/22/23 09:02	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60824	08/22/23 18:52	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-32364-1
SDG: Lea County, New Mexico

Laboratory References:

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

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Accreditation/Certification Summary

Client: Carmona Resources
 Project/Site: Modelo 533 Release

Job ID: 880-32364-1
 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	T104704400-23-26	06-30-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

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Method Summary

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-32364-1
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: Modelo 533 Release

Job ID: 880-32364-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-32364-1	CS-26 (2.5')	Solid	08/21/23 00:00	08/22/23 08:36
880-32364-2	CS-27 (2.5')	Solid	08/21/23 00:00	08/22/23 08:36
880-32364-3	CS-28 (2.5')	Solid	08/21/23 00:00	08/22/23 08:36
880-32364-4	CS-30 (2.5')	Solid	08/21/23 00:00	08/22/23 08:36
880-32364-5	CS-38 (2.5')	Solid	08/21/23 00:00	08/22/23 08:36
880-32364-6	CS-39 (2.5')	Solid	08/21/23 00:00	08/22/23 08:36
880-32364-7	CS-40 (2.5')	Solid	08/21/23 00:00	08/22/23 08:36
880-32364-8	CS-42 (2.5')	Solid	08/21/23 00:00	08/22/23 08:36
880-32364-9	CS-80 (2.75')	Solid	08/21/23 00:00	08/22/23 08:36
880-32364-10	SW-28 (2.5')	Solid	08/21/23 00:00	08/22/23 08:36

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Chain of Custody



8/23/2023

Project Manager: Conner Moehring	Bill to: (if different):
Company Name: Carmona Resources	Company Name: EOG Resources
Address: 310 W Wall St Ste 500	Address: 5509 Champions Dr
City, State ZIP: Midland, TX 79701	City, State ZIP: Midland, Tx 79706
Phone: 432-813-6823	Email: Todd Wells@eogresources.com

Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Rowfields <input type="checkbox"/> RC <input type="checkbox"/> Pertund <input type="checkbox"/> State of Project: _____ Reporting Level: 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: _____	
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Project Name:	Modelo 533 Release		Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes				
	Project Number:	1171	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush		Due Date:	24 HR													None	NO	
Project Location:	Lea County, New Mexico																		Cool: Cool	DI Water: H ₂ O		
Sampler's Name:	JM																		HCL: HC	MeOH: Me		
PO #:																			H ₂ SO ₄ : H ₂	HNO ₃ : HN		
SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	<input checked="" type="checkbox"/> No <input type="checkbox"/>													H ₃ PO ₄ : HP	NaOH: Na			
Received Inlet:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	Correction Factor:															NaHSO ₄ : NABIS				
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	Corrected Temperature:															Na ₂ S ₂ O ₃ : NaSO ₃				
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																	Zn Acetate+NaOH: Zn				
Total Containers:																		NaOH+Ascorbic Acid: SAPC				
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments			
CS-26 (2.5)	8/21/2023		X		Comp	1	X	X	X													42
CS-27 (2.5)	8/21/2023		X		Comp	1	X	X	X													
CS-28 (2.5)	8/21/2023		X		Comp	1	X	X	X													
CS-30 (2.5)	8/21/2023		X		Comp	1	X	X	X													
CS-38 (2.5)	8/21/2023		X		Comp	1	X	X	X													
CS-39 (2.5)	8/21/2023		X		Comp	1	X	X	X													
CS-40 (2.5)	8/21/2023		X		Comp	1	X	X	X													
CS-42 (2.5)	8/21/2023		X		Comp	1	X	X	X													
CS-80 (2.75)	8/21/2023		X		Comp	1	X	X	X													
SW-28 (2.5)	8/21/2023		X		Comp	1	X	X	X													

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time
<i>Conner Moehring</i>	8-22-23
Received by: (Signature)	Date/Time
<i>BOB</i>	8/22/23

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-32364-1
SDG Number: Lea County, New Mexico

Login Number: 32364

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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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 284349

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 284349
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	2/16/2024