



SITE INFORMATION

Closure Report
Vaca Draw Federal SWD
Lea County, New Mexico
NAPP2234634359
Unit P Sec 21 T25S R33E
32.110255°, -103.570936°

Produced Water Release
Point of Release: Equipment Failure
Release Date: 12/09/2022
Volume Released: 25 Barrels of Produced Water
Volume Recovered: 20 Barrels of Produced Water

CARMONA RESOURCES



Prepared for:
NGL Energy Partners, LLC
865 North Albion Street
Denver, CO 80220

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



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July 6, 2023

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

**Re: Closure Report
Vaca Draw Federal SWD
NGL Partners, LLC
Incident #: NAPP2234634359
Site Location: Unit P Sec 21 T25S R33E
(Lat 32.110255°, Long -103.570936°)
Lea County, New Mexico**

To whom it may concern:

On behalf of NGL Partners, LLC, Carmona Resources, LLC has prepared this letter to document the Vaca Draw Federal SWD site activities. The site is located at 32.110255°, -103.570936° within Unit P Sec 21 T25S R33E, 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 December 9, 2022. The cause of the release was due to a six-inch joint failure. It released approximately twenty-five (25) barrels of produced water. Approximately twenty (20) barrels of produced water were recovered. The impacted area occurred on the pad and pasture shown in Figure 3. The initial C-141 form is attached in Appendix C.

On March 20, 2023, the NMOCD granted a sampling variance to collect confirmation and sidewall samples every 400 square feet. The confirmation documentation is in Appendix C.

On June 20, 2023, the NMOCD granted a two-week extension to safely address the buried electrical lines in the area for the closure report by July 3, 2023. The email correspondence is 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, no known water sources are within a 0.50-mile radius of the location. The nearest identified well is located approximately 0.94 miles West of the site in S20, T25S, R33E and was drilled in 1981. The well has a reported depth to groundwater of 204.36' below ground surface (ft bgs). A copy of the associated Point of Diversion Summary report is attached in Appendix D.

On June 14, 2022, Scarborough Drilling, Inc was onsite to drill a groundwater determination bore to 55' bgs within a 0.50-mile radius of the location. The bore was left open for 72 hours and tagged with a water level meter. No water was detected at 55' bgs. The coordinates for the groundwater determination bore are 32.108115°, -103.572777°. See Appendix D for the log.

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432.813.1992



3.0 NMAC Regulatory Criteria

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

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

4.0 Site Assessment Activities

Initial Assessment

On December 21, 2022, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of eighteen (18) sample points (S-1 through S-18) and nineteen (19) horizontal samples (H-1 through H-19) were advanced to depths ranging from the surface to 5' bgs inside and surrounding the release areas to evaluate the vertical and horizontal extent. 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. The sample locations are shown in Figure 3. Refer to Table 1.

See Table 1 for the analytical results.

Trenching Activities

On February 20, 2023, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of eight (8) trenches were advanced to depths ranging from the surface to 9' bgs inside and surrounding the release area to evaluate the vertical extent. See Figure 3 for the soil sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

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

5.0 Remediation Activities

Carmona Resources personnel were onsite to supervise the remediation activities, collect confirmation samples, and document backfill activities. The NMOCD granted a two-extension so NGL and Carmona Resources so they could safely address the five (5) high-voltage electrical lines buried in the excavation area. Carmona Resources personnel were on location for two (2) weeks to oversee and guide the hydro-vac crews so they could safely spot and expose the buried electrical lines before excavation activities to remove all the impacted material safely. Before collecting composite confirmation samples, the NMOCD division office was notified via email on June 9, 2023, per Subsection D of 19.15.29.12 NMAC. See Appendix C. A total of twenty (20) floor confirmation samples were collected (CS-1 through CS-20), and



twenty-four (24) sidewall samples (SW-1 through SW-24) 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. 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 reclamation and regulatory requirements for TPH, BTEX, and chloride. Refer to Table 2.

Once the remediation activities were completed, the excavated areas were backfilled with clean material. Approximately 1,600 cubic yards of material were excavated and transported offsite for proper disposal.

6.0 Conclusions

Based on the assessment results and the analytical data, no further actions are required at the site. The final C-141 is attached, and NGL formally requests the closure of the spill. If you have any questions regarding this report or need additional information, please get in touch with us at 432-813-1992.

Sincerely,

Carmona Resources, LLC

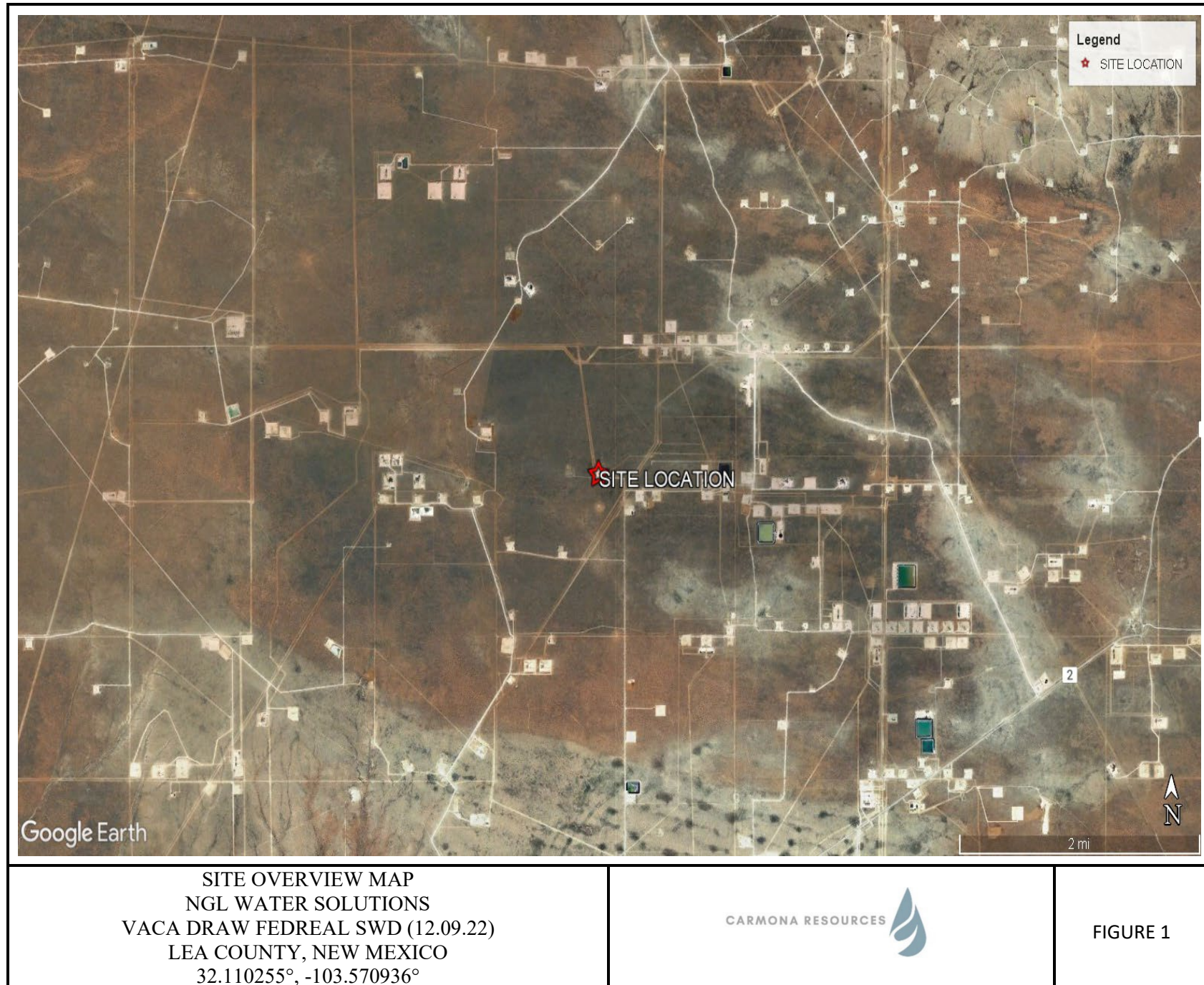
Mike Carmona
Environmental Manager

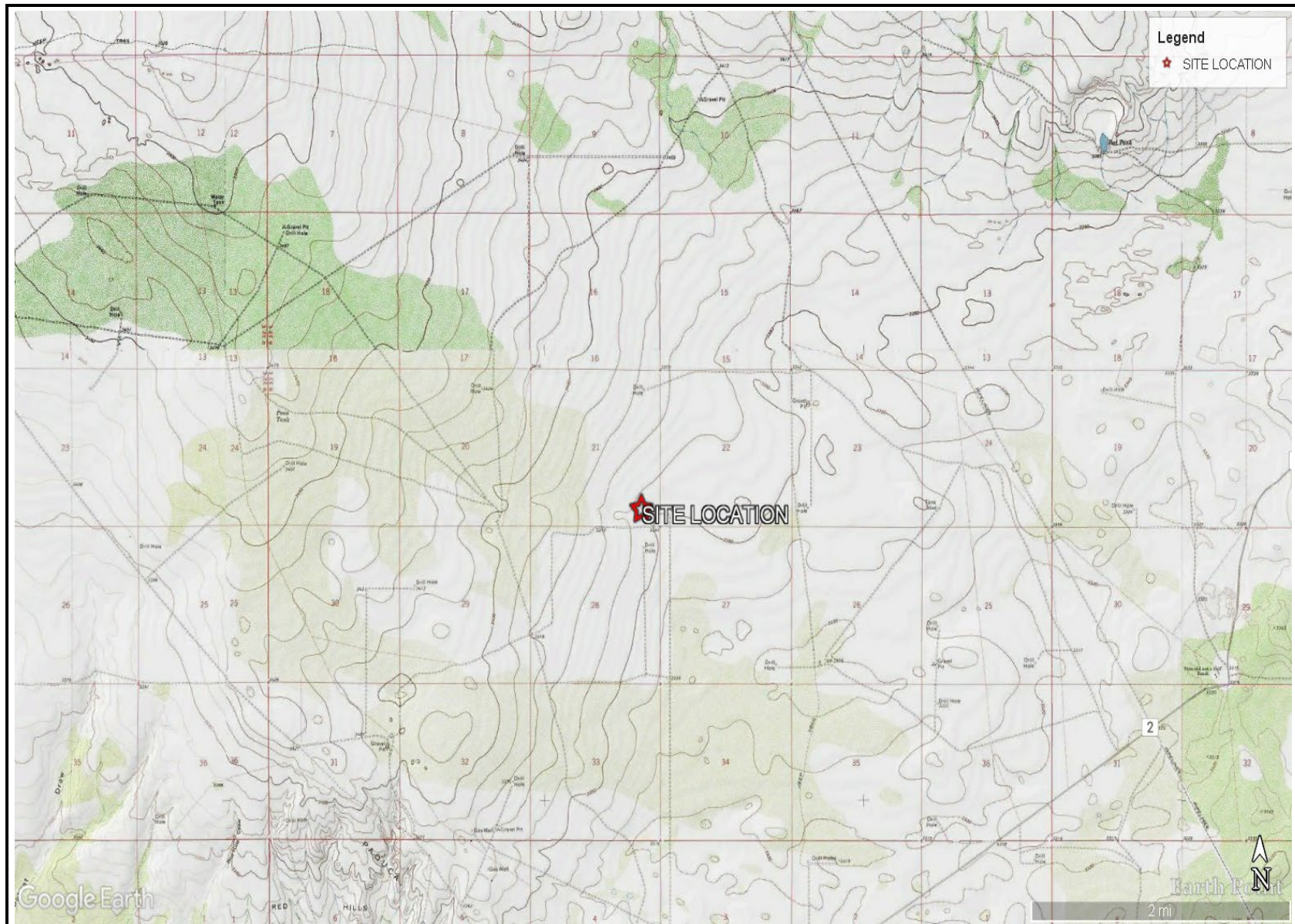
Conner Moehring
Sr. Project Manager

FIGURES

CARMONA RESOURCES



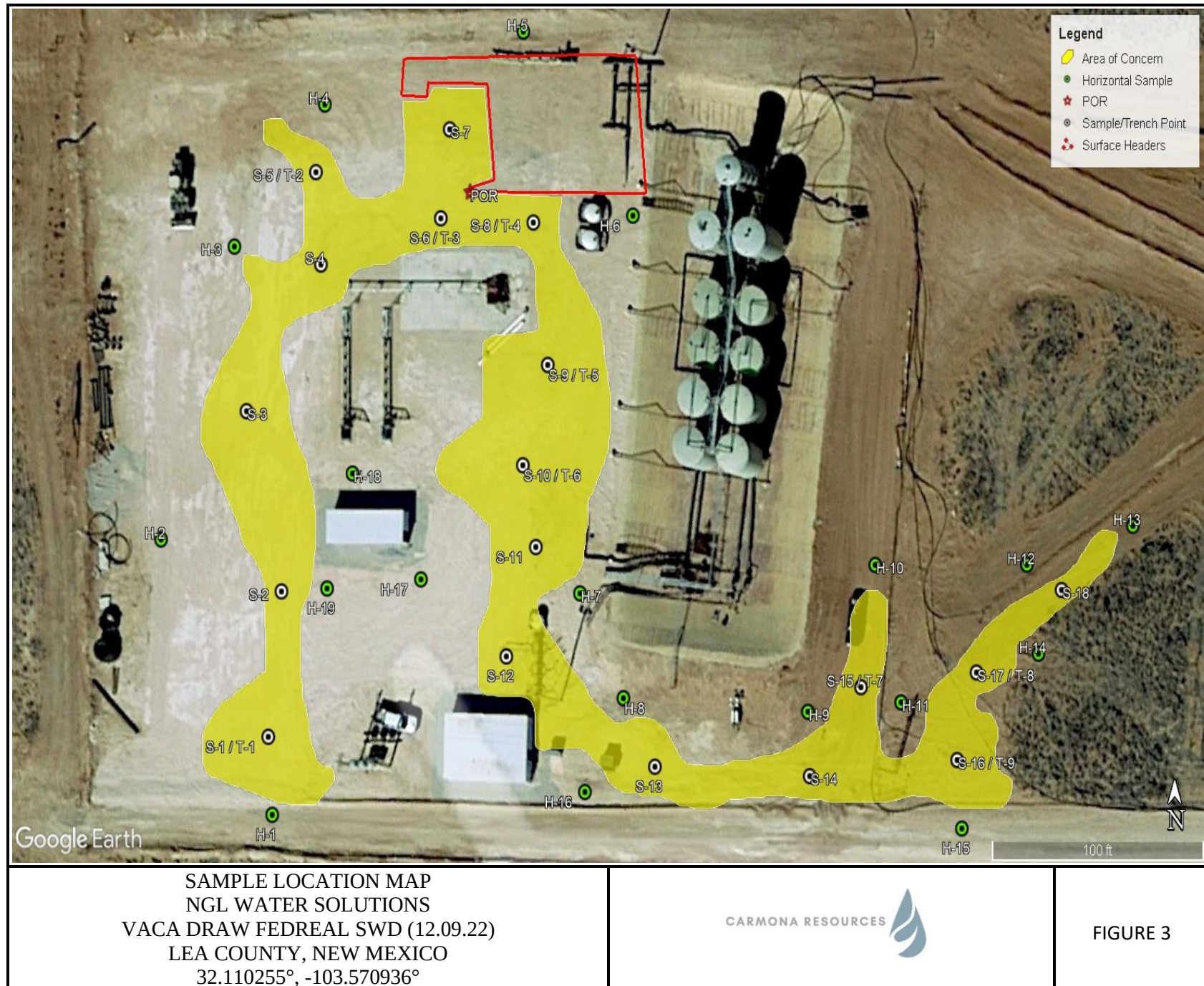


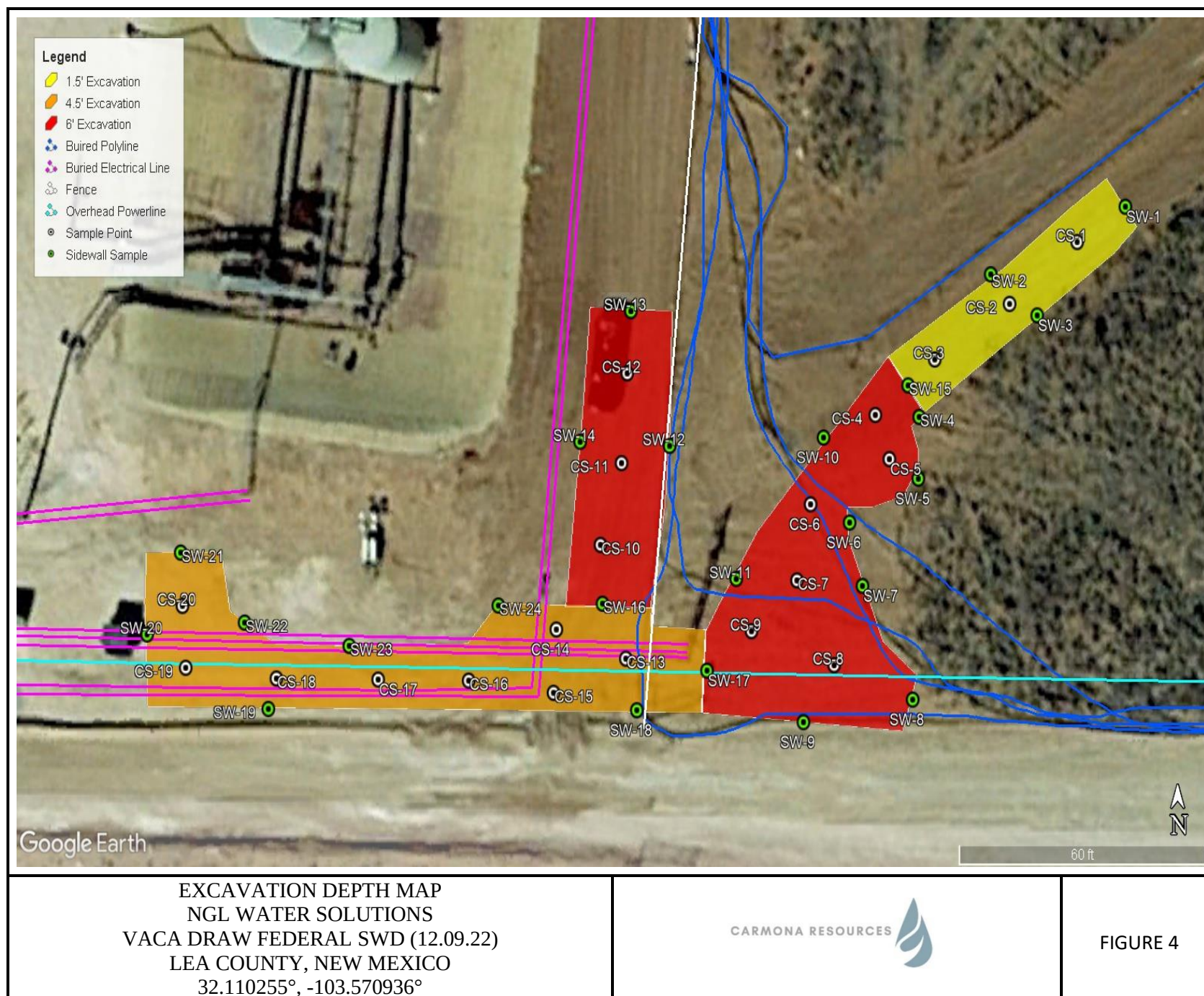


TOPOGRAPHIC MAP
NGL WATER SOLUTIONS
VACA DRAW FEDREAL SWD (12.09.22)
LEA COUNTY, NEW MEXICO
32.110255°, -103.570936°



FIGURE 2





APPENDIX A

CARMONA RESOURCES



Table 1
NGL Water Solutions
Vaca Draw Federal (12.9.22)
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						
S-1	12/21/2022	0-0.25	<49.9	609	75.6	685	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	836
	"	0.5	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	1,130
	"	1.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,960
	"	1.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	2,030
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	1,720
	"	3.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	767
	"	4.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,330
T-1	2/20/2023	5.0	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	1,510
	"	6.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,610
	"	7.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	270
	"	8.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	139
S-2	12/21/2022	0-0.25	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,520
	"	0.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1,040
	"	1.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	596
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	826
	"	2.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	915
	"	3.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	671
	"	4.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	282
S-3	12/21/2022	0-0.25	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	3,800
	"	0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	2,310
	"	1.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,210
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,030
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	505
S-4	12/21/2022	0-0.25	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	6,590
	"	0.5	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	5,990
	"	1.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	3,090
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	168
	"	2.0	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	77.0
Regulatory Criteria^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg	-	-	-	50 mg/kg	10,000 mg/kg

Regulatory CriteriaA

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(S) Sample Point

(T) Trench

Table 1
NGL Water Solutions
Vaca Draw Federal (12.9.22)
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						
S-5	12/21/2022	0-0.25	<49.9	335	<49.9	335	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	6,770
	"	0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	4,660
	"	1.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	965
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	2,830
	"	2.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	936
	"	3.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,310
	"	4.0	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	1,430
	"	5.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,270
T-2	2/20/2023	5.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1,070
	"	6.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	2,590
	"	7.0	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	3,110
	"	8.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,390
	"	9.0	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	1,360
	"	10.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,470
	"	11.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,320
	"	12.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1,250
S-6	12/21/2022	0-0.25	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	4,290
	"	0.5	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	8,150
T-3	2/20/2023	0-1	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	7,560
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	3,940
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	221
	"	3.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	60.7
	"	4.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	143
	"	5.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	324
	"	6.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	495
	"	7.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	833
	"	8.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	693
	"	9.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	933
	"	10.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	627
	"	11.0	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	448
Regulatory Criteria^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg	-	-	-	50 mg/kg	10,000 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(S) Sample Point

(T) Trench

Table 1
NGL Water Solutions
Vaca Draw Federal (12.9.22)
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						
S-7	12/21/2022	0-0.25	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	49.7
	"	0.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	5,780
	"	1.0	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	4,690
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	5,200
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	3,600
	"	3.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	976
	"	4.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1,480
	"	5.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	987
S-8	12/21/2022	0-0.25	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	6,390
	"	1.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	9,300
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	6,470
	"	3.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	2,250
	"	4.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	743
	"	5.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	916
T-4	2/20/2023	6.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,570
	"	7.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	3,140
	"	8.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	3,630
	"	9.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	2,670
	"	10.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,140
	"	11.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,700
	"	12.0	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	2,040
S-9	12/21/2022	0-1.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	6,270
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	652
	"	2.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	598
	"	3.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	706
	"	4.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,370
	"	5.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,050
T-5	2/20/2023	6.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	1,690
	"	7.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1,390
	"	8.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	1,220
	"	9.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	674
	"	10.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	595
	"	11.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	654
Regulatory Criteria ^A			1,000 mg/kg		2,500 mg/kg		10 mg/kg	-	-	-	50 mg/kg	10,000 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(S) Sample Point

(T) Trench

Table 1
NGL Water Solutions
Vaca Draw Federal (12.9.22)
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						
S-10	12/21/2022	0-1.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	5,920
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,750
	"	2.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,940
	"	3.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	1,430
	"	4.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,480
T-6	2/20/2023	5.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	231
	"	6.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	189
S-11	12/21/2022	0-1.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	8,020
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	6,330
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	4,800
	"	3.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	5,610
	"	4.0	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,290
	"	5.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	391
S-12	12/21/2022	0-1.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,040
S-13	12/21/2022	0-1.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	5,870
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,670
	"	2.0	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	1,360
	"	3.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	783
	"	4.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	252
S-14	12/21/2022	0-1.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	2,530
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	2,730
	"	2.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,830
	"	3.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,720
S-15	12/21/2022	0-1.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	3,040
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	5,490
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	4,530
	"	3.0	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	2,490
	"	4.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	3,880
T-7	2/20/2023	5.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	4,990
	"	6.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	2,310
	"	7.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	941
	"	8.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	555
	"	9.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	374
Regulatory Criteria^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg	-	-	-	50 mg/kg	10,000 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(S) Sample Point

(T) Trench

 Removed

Table 1
NGL Water Solutions
Vaca Draw Federal (12.9.22)
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						
S-16	12/21/2022	0-1.0	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	2,480
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	616
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	852
	"	3.0	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	4,120
	"	4.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	6,170
	"	5.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	10,700
T-9	2/20/2023	6.0	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	5,580
	"	7.0	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	6,870
	"	8.0	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	7,760
S-17	12/21/2022	0-1.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	3,680
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,100
	"	2.0	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	1,100
	"	3.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	1,380
	"	4.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	4,880
T-8	2/20/2023	5.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	10,600
	"	6.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	3,850
	"	7.0	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	4,690
	"	8.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	2,740
	"	9.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,470
S-18	12/21/2022	0-1.0	<49.9	388	<49.9	388	<0.00200	<0.00200	0.00518	<0.00399	0.00883	1,880
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00201	0.00506	<0.00201	<0.00402	0.00506	123
	"	2.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	133
	"	3.0	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	16.3
Regulatory Criteria^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg	-	-	-	50 mg/kg	10,000 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(S) Sample Point

(T) Trench

 Removed

Table 1
NGL Water Solutions
Vaca Draw Federal (12.9.22)
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	12/21/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	37.4
H-2	12/21/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	8.06
H-3	12/21/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	48.6
H-4	12/21/2022	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<5.01
H-5	12/21/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<4.98
H-6	12/21/2022	0-0.5	<50.0	519	136	655	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<5.03
	6/30/2023	0.5	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	24.3
H-7	12/21/2022	0-0.5	<50.0	54.3	<50.0	54.3	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	33.2
H-8	12/21/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	358
H-9	12/21/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<5.04
H-10	12/21/2022	0-0.5	<50.0	57.0	<50.0	57.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	288
H-11	12/21/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<5.02
H-12	12/21/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	34.4
H-13	12/21/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	7.13
H-14	12/21/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<5.00
H-15	12/21/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	25.0
H-16	12/21/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.96
H-17	12/21/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	12.4
H-18	12/21/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	275
H-19	12/21/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	20.5
Regulatory Criteria ^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg	-	-	-	50 mg/kg	10,000 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(H) Horizontal Point

Removed

Table 2
NGL Water Solutions
Vaca Draw Federal SWD (12.09.22)
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	6/13/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	37.9
CS-2	6/13/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	39.6
CS-3	6/13/2023	1.5	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	40.9
CS-4	6/13/2023	6.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	5,080
CS-5	6/13/2023	6.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	5,420
CS-6	6/13/2023	6.0	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	5,500
CS-7	6/13/2023	6.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	5,410
CS-8	6/13/2023	6.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	4,990
CS-9	6/13/2023	6.0	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	5,100
CS-10	6/13/2023	6.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	5,150
CS-11	6/13/2023	6.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	5,040
CS-12	6/13/2023	6.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	5,040
CS-13	6/30/2023	4.5	<49.8	92.2	<49.8	92.2	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	34.5
CS-14	6/30/2023	4.5	<50.0	96.4	<50.0	96.4	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	41.6
CS-15	6/30/2023	4.5	<50.0	99.9	<50.0	99.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	29.6
CS-16	6/30/2023	4.5	<49.9	91.6	<49.9	91.6	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	52.4
CS-17	6/30/2023	4.5	<49.8	89.8	<49.8	89.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	32.4
CS-18	6/30/2023	4.5	<49.9	79.5	<49.9	79.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	24.1
CS-19	6/30/2023	4.5	<49.9	66.3	<49.9	66.3	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	25.3
CS-20	6/30/2023	4.5	<50.0	136	<50.0	136	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	32.3
Regulatory Criteria^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(CS) Confirmation Sample

Table 2
NGL Water Solutions
Vaca Draw Federal SWD (12.09.22)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-1	6/13/2023	1.5	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	48.9
SW-2	6/13/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	36.9
SW-3	6/13/2023	1.5	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	39.1
SW-4	6/13/2023	6.0	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	42.6
SW-5	6/13/2023	6.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	45.1
SW-6	6/13/2023	6.0	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	25.2
SW-7	6/13/2023	6.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	42.7
SW-8	6/13/2023	6.0	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	38.4
SW-9	6/13/2023	6.0	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	56.1
SW-10	6/13/2023	6.0	<49.9	<49.9	<49.9	<49.9	<0.000200	<0.000200	<0.000200	<0.000399	<0.000399	38.6
SW-11	6/13/2023	6.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	50.3
SW-12	6/13/2023	6.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	43.4
SW-13	6/13/2023	6.0	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	37.6
SW-14	6/13/2023	6.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	43.8
SW-15	6/13/2023	4.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	38.9
SW-16	6/13/2023	1.5	<50.0	90.3	<50.0	90.3	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	43.7
SW-17	6/30/2023	1.5	<50.0	11.1	<50.0	11.1	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	26.6
SW-18	6/30/2023	4.5	<49.9	84.4	<49.9	84.4	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	37.2
SW-19	6/30/2023	4.5	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	32.2
SW-20	6/30/2023	4.5	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	30.1
SW-21	6/30/2023	4.5	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	30.1
SW-22	6/30/2023	4.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	35.1
SW-23	6/30/2023	4.5	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	27.6
SW-24	6/30/2023	4.5	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	30.6
Regulatory Criteria ^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(SW) Sidewall Sample

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

NGL Energy Partners

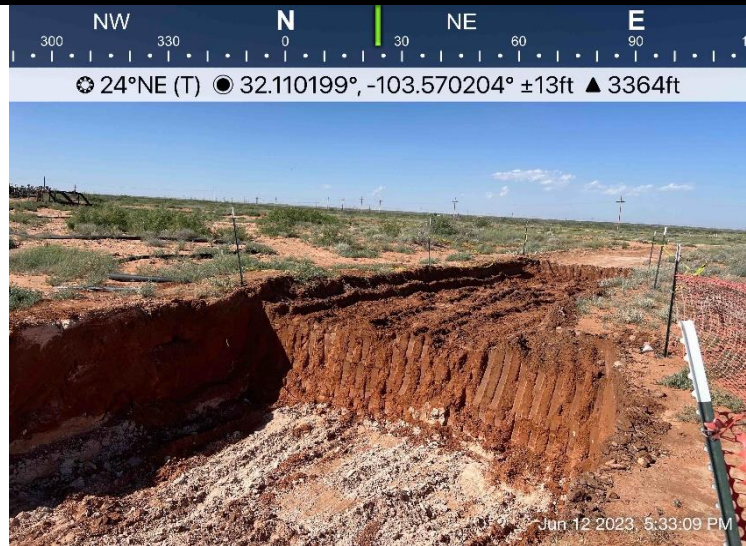
Photograph No. 1

Facility: Vaca Draw Federal (12.9.22)

County: Lea County, New Mexico

Description:

View North, area of CS-1 through CS-5.



Photograph No. 2

Facility: Vaca Draw Federal (12.9.22)

County: Lea County, New Mexico

Description:

View Northwest, area of CS-4 through CS-6.



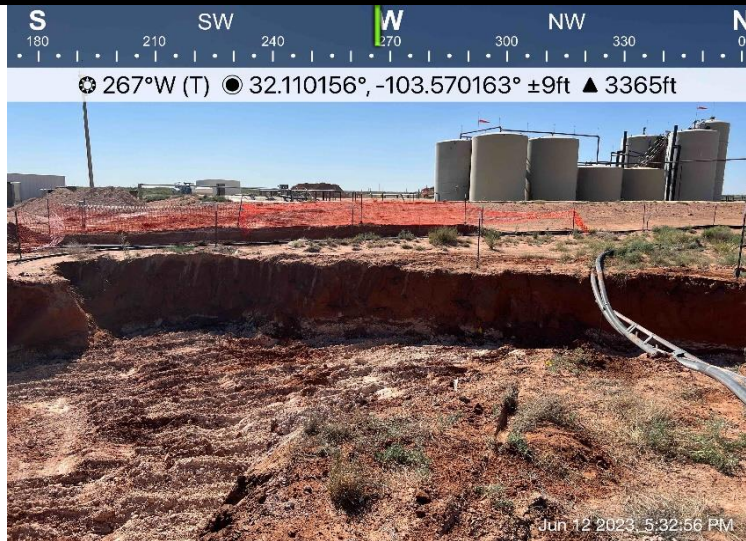
Photograph No. 3

Facility: Vaca Draw Federal (12.9.22)

County: Lea County, New Mexico

Description:

View West, area of CS-4 through CS-8.



PHOTOGRAPHIC LOG

NGL Energy Partners

Photograph No. 4

Facility: Vaca Draw Federal (12.9.22)

County: Lea County, New Mexico

Description:

View West, area of CS-8 through CS-9.



Photograph No. 5

Facility: Vaca Draw Federal (12.9.22)

County: Lea County, New Mexico

Description:

View Northwest, area of CS-8 through CS-9.



Photograph No. 6

Facility: Vaca Draw Federal (12.9.22)

County: Lea County, New Mexico

Description:

View North, area of CS-10 through CS-12.



PHOTOGRAPHIC LOG

NGL Energy Partners

Photograph No. 7

Facility: Vaca Draw Federal (12.9.22)

County: Lea County, New Mexico

Description:

View West, area of CS-13 through CS-19, with the five high voltage electrical lines.



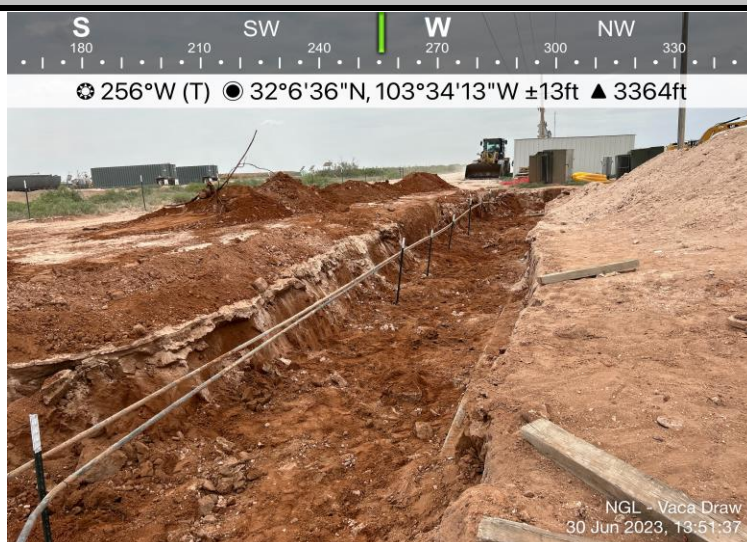
Photograph No. 8

Facility: Vaca Draw Federal (12.9.22)

County: Lea County, New Mexico

Description:

View West, area of CS-14 through CS-19, with the five high voltage electrical lines.



Photograph No. 9

Facility: Vaca Draw Federal (12.9.22)

County: Lea County, New Mexico

Description:

View Southeast, area of CS-17 through CS-20, with the five high voltage electrical lines.



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	nAPP2234634359
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	NGL Water Solutions Permian, LLC	OGRID	372338
Contact Name	Joseph Vargo	Contact Telephone	303-815-1010
Contact email	Joseph.Vargo@nglep.com	Incident # (assigned by OCD)	nAPP2234634359
Contact mailing address	865 N. Albion Street, Suite 400, Denver, CO 80220		

Location of Release Source

Latitude 31.110255 Longitude -103.570936
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Vaca Draw Federal SWD	Site Type	Saltwater Disposal
Date Release Discovered	12.9.2022	API# (if applicable)	30-025-23895

Unit Letter	Section	Township	Range	County
P	21	25S	33E	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)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 25	Volume Recovered (bbls) 20
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☒ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

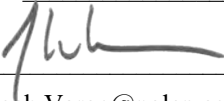
A 6-inch expansion joint failed resulting in the release of 25 barrels of produced water. The release was contained to the pad.

Incident ID	nAPP2234634359
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? More than 25 bbls
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes, Joseph Vargo, through NOR on 12.12.2022.	

Initial Response

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

☒ The source of the release has been stopped.	
☒ The impacted area has been secured to protect human health and the environment.	
☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
☒ All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why: 	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: Joseph Vargo	Title: Regulatory Director
Signature: 	Date: 12.12.2022
email: Joseph.Vargo@nglep.com	Telephone: 303-815-1010
<u>OCD Only</u>	
Received by: _____	Date: _____

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?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☐ 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)?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☐ 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?	☐ Yes ☐ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☐ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☐ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☐ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☐ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☐ No
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes ☐ 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.

State of New Mexico
Oil Conservation Division

Page 4

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:  _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

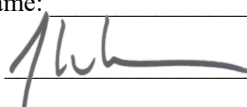
Closure

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:  _____ Date: _____
email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: Nelson Velez Date: 09/29/2023
Printed Name: Nelson Velez Title: Environmental Specialist - Adv

Remediation has met 19.15.29 NMAC requirements. Soil impacts exceeding the reclamation standards have been left in place and are required to meet 19.15.29.13D (1) NMAC once the site is no longer reasonably needed for production or subsequent drilling operations.

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 196101

CONDITIONS

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 196101
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	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. On closure report, please show H-6 and all horizontal locations on site map.	3/20/2023

From: Enviro, OCD, EMNRD
Sent: Friday, June 9, 2023 9:20 AM
To: Mike Carmona
Cc: Velez, Nelson, EMNRD; Bratcher, Michael, EMNRD
Subject: RE: [EXTERNAL] NGL Vaca Draw Federal SWD - Sampling Notification- Incident No. nAPP2234634359

Mike,

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

JH

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



From: Mike Carmona <Mcarmona@carmonaresources.com>
Sent: Thursday, June 8, 2023 8:58 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Joe Vargo <Joseph.Vargo@nglep.com>; Cole Lane <Cole.Lane@nglep.com>; Conner Moehring <Cmoehring@carmonaresources.com>
Subject: [EXTERNAL] NGL Vaca Draw Federal SWD - Sampling Notification- Incident No. nAPP2234634359

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

Good Morning,

This email serves as a notification for confirmation sampling on the NGL Vaca Draw Federal SWD Release. Sampling is scheduled to begin on Tuesday, June 13th around 8:00 a.m. Mountain Time. Carmona Resources personnel will be on-site to collect the confirmation samples.

Incident No. nAPP2234634359

Mike J. Carmona

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

CARMONA RESOURCES



From: Velez, Nelson, EMNRD
Sent: Tuesday, June 20, 2023 4:03 PM
To: Mike Carmona
Cc: Conner Moehring; Joseph.Vargo@nglep.com; Cole.Lane@nglep.com; Bratcher, Michael, EMNRD
Subject: Re: [EXTERNAL] NGL Vaca Draw Federal SWD - Extension Request- Incident
No.nAPP2234634359

Good afternoon Mike,

Your time extension request for two (2) weeks is approved. The remediation due date has been updated in the incident page to 07/03/2023.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

The OCD requires a copy of all correspondence relative to remedial activities be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, sample events, spill/release/fire, and request for time extensions or variances.

Regards,

Nelson Velez • Environmental Specialist - Adv
Environmental Bureau | EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87410
(505) 469-6146 | nelson.velez@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>



From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Thursday, June 15, 2023 9:20 AM
To: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Subject: FW: [EXTERNAL] NGL Vaca Draw Federal SWD - Extension Request- Incident
No.nAPP2234634359

Jocelyn Harimon • Environmental Specialist

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



From: Mike Carmona <Mcarmona@carmonaresources.com>
Sent: Wednesday, June 14, 2023 7:05 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Conner Moehring <Cmoehring@carmonaresources.com>; Joe Vargo <Joseph.Vargo@nglep.com>; Cole Lane <Cole.Lane@nglep.com>
Subject: [EXTERNAL] NGL Vaca Draw Federal SWD - Extension Request- Incident No.nAPP2234634359

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

Good Evening,

I just wanted to inform the OCD of the status of the above-referenced site. We are currently in the process of the excavation and have been at a halt hydro vaccing lines in the area that were recently identified and finding the path of where those lines run. This has slowed down the process of digging. We have turned in a portion of the samples to the lab for the areas that have been excavated. If any samples are in exceedance, we will need to continue and excavate. On behalf of NGL, we are requesting an additional two weeks to complete the project. Thank you, and let me know if you have any questions.

Work Plan Approved on 3/20/2023 and Closure due 6/18/23

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

CARMONA RESOURCES



APPENDIX D

CARMONA RESOURCES



Nearest water well

NGL - Vaca Draw Booster (12.09.22)

Legend

- 0.19 Miles
- 0.50 Mile Radius
- 0.94 Miles
- 1.21 Miles
- 1.64 Miles
- Groundwater Determination Bore
- NMSEO Water Well
- USGS Water Well
- Vaca Draw Booster (12.09.22)



Low Karst

NGL - Vaca Draw Booster (12.09.22)

Legend



Low



Vaca Draw Booster (12.09.22)



Vaca Draw Booster (12.09.22)



SOIL BORE LOG

Project:	Mesquite Vaca Draw ROW Spill	Date:	Jun 14, 2022
Type:	Exploratory Water Bore	Location:	Cascade 28 Fed #85H Pad

Depth	Soil Type	Classification	Comments
0-0.5'	Caliche	N/A	
0.5-5'	Fine Sand	N/A	
5'-10'	Caliche	N/A	
10-55'	Fine Sand	N/A	6/14/22- Dry/No Water 6/17/22- Dry/ No Water
		Site Coordinates	32.108115, -103.572777

PHOTOGRAPHIC DOCUMENTATION





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 Code	Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
C 02312		CUB	LE	1	2	1	05	25S	33E	632292	3559772	150	90	60
C 02313		CUB	LE	2	3	3	26	25S	33E	636971	3552098*	150	110	40
C 02373 CLW317846	O	CUB	LE	2	1	1	13	25S	33E	638518	3556544*	625	185	440
C 02373 S		CUB	LE	1	2	1	13	25S	33E	638721	3556549*	625	185	440
C 04537 POD1		C	LE	4	4	4	31	25S	33E	631847	3550243	500	280	220
C 04627 POD1		CUB	LE	3	3	4	08	25S	33E	632665	3556725			

Average Depth to Water: **170 feet**

Minimum Depth: **90 feet**

Maximum Depth: **280 feet**

Record Count: 6

PLSS Search:

Township: 25S

Range: 33E

*UTM location was derived from PLSS - see Help

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3/9/23 8:10 PM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)						(NAD83 UTM in meters)	
		(quarters are smallest to largest)						X	Y
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tw	Rng		
C	02313	2	3	3	26	25S	33E	636971	3552098*
Driller License:		Driller Company:							
Driller Name:		UNKNOWN							
Drill Start Date:		01/01/1925		Drill Finish Date:		06/30/1925		Plug Date:	
Log File Date:				PCW Rev Date:				Source:	
Pump Type:				Pipe Discharge Size:				Estimated Yield: 60 GPM	
Casing Size:		6.88		Depth Well:		150 feet		Depth Water: 110 feet	

*UTM location was derived from PLSS - see Help

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POINT OF DIVERSION SUMMARY



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USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

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Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 320631103351401

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

USGS 320631103351401 25S.33E.20.443313

Lea County, New Mexico
Latitude 32°06'31", Longitude 103°35'14" NAD27
Land-surface elevation 3,398 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Chinle Formation (231CHNL) 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
1981-03-25			D	62610	3192.01	NGVD29	1		Z	
1981-03-25			D	62611	3193.64	NAVD88	1		Z	
1981-03-25			D	72019	204.36		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
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static

Section	Code	Description
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.

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Title: Groundwater for New Mexico: Water Levels
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Data Category:
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Geographic Area:
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Groundwater levels for New Mexico

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Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 320615103352601

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

USGS 320615103352601 25S.33E.20.443331

Lea County, New Mexico
Latitude 32°06'15", Longitude 103°35'26" NAD27
Land-surface elevation 3,404 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) 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
1970-12-08			D	62610	3189.60	NGVD29	1		Z	
1970-12-08			D	62611	3191.23	NAVD88	1		Z	
1970-12-08			D	72019	212.77		1		Z	
1976-01-08			D	62610	3189.40	NGVD29	1		Z	
1976-01-08			D	62611	3191.03	NAVD88	1		Z	
1976-01-08			D	72019	212.97		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

Section	Code	Description
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

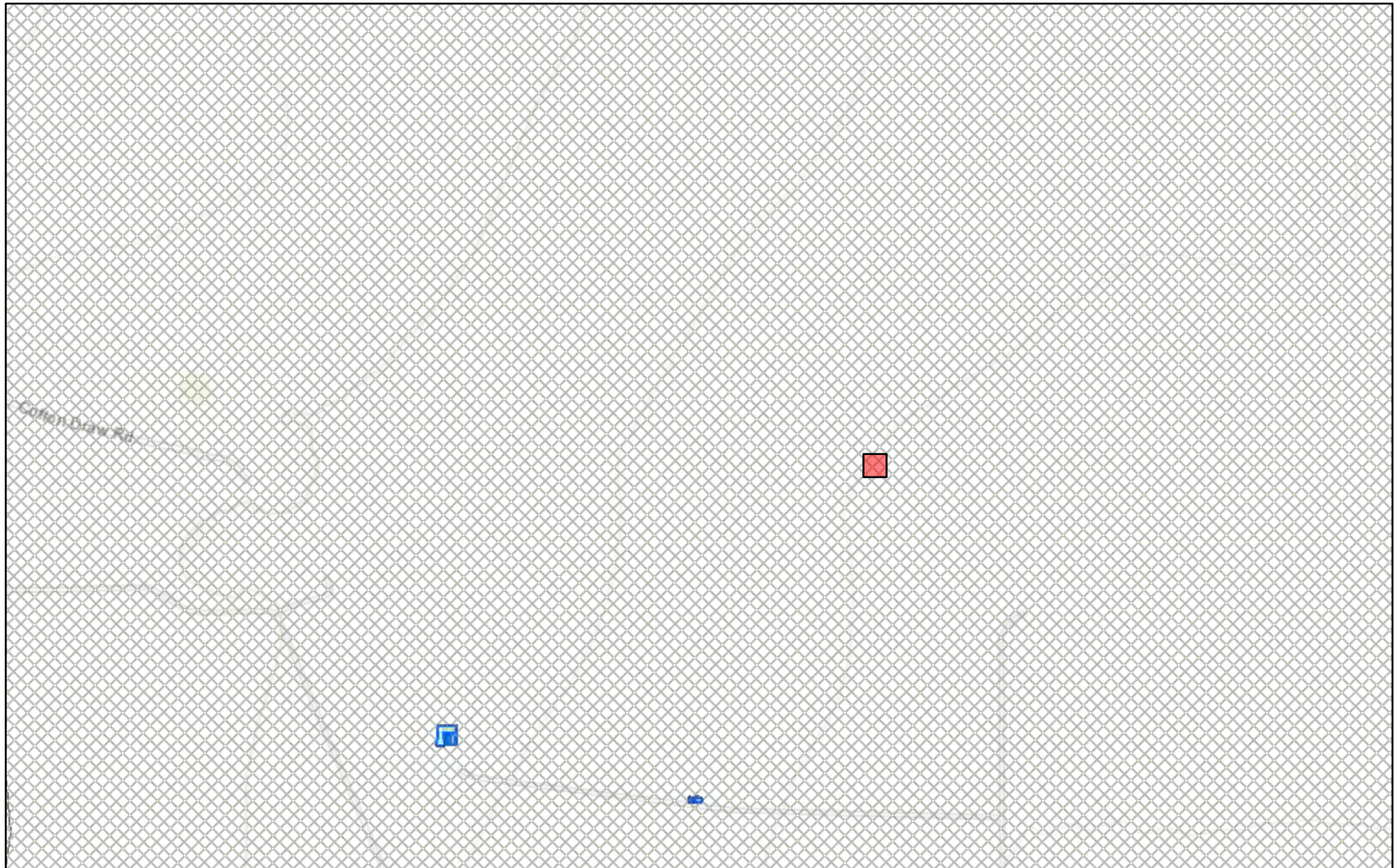
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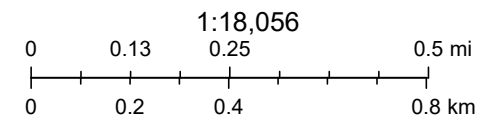


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0.31 0.28 nadww02

New Mexico NFHL Data



June 3, 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

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ANALYTICAL REPORT

PREPARED FOR

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

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JOB DESCRIPTION

Vaca Draw Federal SWD (12.09.22)
SDG NUMBER Lea Co, NM

JOB NUMBER

880-23052-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

Authorization



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

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Laboratory Job ID: 880-23052-1
SDG: Lea Co, NM

Table of Contents

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
F1	MS and/or MSD recovery exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi 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.

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Eurofins Midland

Definitions/Glossary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Glossary (Continued)

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

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

Case Narrative

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Job ID: 880-23052-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-23052-1

Receipt

The samples were received on 12/22/2022 1:34 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 0.5°C

Receipt Exceptions

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

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-4 (0.5') (880-23052-21), S-4 (1') (880-23052-22), S-4 (1.5') (880-23052-23), S-4 (2') (880-23052-24), S-5 (0-0.25') (880-23052-25), S-5 (0.5') (880-23052-26), S-5 (1') (880-23052-27), S-5 (1.5') (880-23052-28), S-5 (2') (880-23052-29), S-5 (3') (880-23052-30), S-5 (4') (880-23052-31), S-5 (5') (880-23052-32), S-6 (0-0.25') (880-23052-33), S-6 (0.5') (880-23052-34), S-7 (0-0.25') (880-23052-35), S-7 (0.5') (880-23052-36), S-7 (1') (880-23052-37), S-7 (1.5') (880-23052-38), S-7 (2') (880-23052-39), S-7 (3') (880-23052-40), (CCV 880-42922/51), (CCV 880-42922/64), (CCV 880-42922/82), (CCV 880-42922/95), (LCS 880-42895/1-A), (LCSD 880-42895/2-A), (MB 880-42814/5-A), (MB 880-42895/5-A), (880-23052-A-21-B MS) and (880-23052-A-21-C MSD). Evidence of matrix interferences is not obvious.

Method 8021B: 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 880-42898 and analytical batch 880-42933. The associated laboratory control sample (LCS) met acceptance criteria.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-42896 and analytical batch 880-42924 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: S-11 (1.5') (880-23052-61), S-11 (2') (880-23052-62), S-11 (3') (880-23052-63), S-11 (4') (880-23052-64), S-11 (5') (880-23052-65), S-12 (0-1') (880-23052-66), S-13 (0-1') (880-23052-67), S-13 (1.5') (880-23052-68), S-13 (2') (880-23052-69), S-13 (3') (880-23052-70), S-13 (4') (880-23052-71), S-14 (0-1') (880-23052-72), S-14 (1.5') (880-23052-73), S-14 (2') (880-23052-74), S-14 (3') (880-23052-75), S-15 (0-1') (880-23052-76), S-15 (1.5') (880-23052-77), S-15 (2') (880-23052-78), S-15 (3') (880-23052-79), S-15 (4') (880-23052-80), (CCV 880-43043/2), (CCV 880-43043/20), (CCV 880-43043/33), (LCS 880-42897/1-A), (LCSD 880-42897/2-A), (MB 880-42897/5-A), (880-23052-A-61-C MS) and (880-23052-A-61-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-42925 and analytical batch 880-42932 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-42925/2-A) and (LCSD 880-42925/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: S-14 (2') (880-23052-74). 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 880-42935/32), (CCV 880-42935/48) and (LCSD 880-42995/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-42995 and analytical batch 880-42935 was outside the upper control limits.

Case Narrative

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Job ID: 880-23052-1 (Continued)**Laboratory: Eurofins Midland (Continued)**

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-16 (0-1') (880-23052-81), S-17 (0-1') (880-23052-87), S-17 (2') (880-23052-89) and (880-23052-A-81-G MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-42714 and 880-42714 and analytical batch 880-42904 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 880-42717 and 880-42717 and analytical batch 880-42907 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 880-42715 and analytical batch 880-42905 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 880-42716 and analytical batch 880-42906 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 880-42716 and 880-42716 and analytical batch 880-42906 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-1 (0-0.25')

Lab Sample ID: 880-23052-1

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U F1	0.00201		mg/Kg		12/29/22 13:11	12/31/22 02:09	1
Toluene	<0.00201	U F1	0.00201		mg/Kg		12/29/22 13:11	12/31/22 02:09	1
Ethylbenzene	<0.00201	U F1	0.00201		mg/Kg		12/29/22 13:11	12/31/22 02:09	1
m-Xylene & p-Xylene	<0.00402	U F1	0.00402		mg/Kg		12/29/22 13:11	12/31/22 02:09	1
o-Xylene	<0.00201	U F1	0.00201		mg/Kg		12/29/22 13:11	12/31/22 02:09	1
Xylenes, Total	<0.00402	U F1	0.00402		mg/Kg		12/29/22 13:11	12/31/22 02:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	12/29/22 13:11	12/31/22 02:09	1
1,4-Difluorobenzene (Surr)	110		70 - 130	12/29/22 13:11	12/31/22 02:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/31/22 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	685		49.9		mg/Kg			12/30/22 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		12/29/22 08:30	12/29/22 14:37	1
Diesel Range Organics (Over C10-C28)	609		49.9		mg/Kg		12/29/22 08:30	12/29/22 14:37	1
Oil Range Organics (Over C28-C36)	75.6		49.9		mg/Kg		12/29/22 08:30	12/29/22 14:37	1
Total TPH	685		49.9		mg/Kg		12/29/22 08:30	12/29/22 14:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130	12/29/22 08:30	12/29/22 14:37	1
o-Terphenyl	129		70 - 130	12/29/22 08:30	12/29/22 14:37	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	836		25.2		mg/Kg			12/30/22 16:37	5

Client Sample ID: S-1 (0.5')

Lab Sample ID: 880-23052-2

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:11	12/31/22 02:29	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/29/22 13:11	12/31/22 02:29	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/29/22 13:11	12/31/22 02:29	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/29/22 13:11	12/31/22 02:29	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/29/22 13:11	12/31/22 02:29	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/29/22 13:11	12/31/22 02:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	12/29/22 13:11	12/31/22 02:29	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-1 (0.5')

Lab Sample ID: 880-23052-2

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	111		70 - 130	12/29/22 13:11	12/31/22 02:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			12/31/22 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/30/22 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		12/29/22 08:30	12/29/22 15:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/29/22 08:30	12/29/22 15:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/29/22 08:30	12/29/22 15:41	1
Total TPH	<49.9	U	49.9		mg/Kg		12/29/22 08:30	12/29/22 15:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130	12/29/22 08:30	12/29/22 15:41	1
o-Terphenyl	145	S1+	70 - 130	12/29/22 08:30	12/29/22 15:41	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1130		24.8		mg/Kg			12/30/22 16:46	5

Client Sample ID: S-1 (1')

Lab Sample ID: 880-23052-3

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:11	12/31/22 02:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:11	12/31/22 02:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:11	12/31/22 02:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/29/22 13:11	12/31/22 02:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:11	12/31/22 02:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/29/22 13:11	12/31/22 02:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	12/29/22 13:11	12/31/22 02:50	1
1,4-Difluorobenzene (Surr)	111		70 - 130	12/29/22 13:11	12/31/22 02:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/31/22 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/30/22 12:51	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-1 (1')

Lab Sample ID: 880-23052-3

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

Method: SW846 8015B 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		12/29/22 08:30	12/29/22 16:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/29/22 08:30	12/29/22 16:01	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/29/22 08:30	12/29/22 16:01	1
Total TPH	<49.9	U	49.9		mg/Kg		12/29/22 08:30	12/29/22 16:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130	12/29/22 08:30	12/29/22 16:01	1
o-Terphenyl	133	S1+	70 - 130	12/29/22 08:30	12/29/22 16:01	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1960		25.0		mg/Kg			12/30/22 16:55	5

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-23052-4

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:11	12/31/22 03:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:11	12/31/22 03:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:11	12/31/22 03:10	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/29/22 13:11	12/31/22 03:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:11	12/31/22 03:10	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/29/22 13:11	12/31/22 03:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	12/29/22 13:11	12/31/22 03:10	1
1,4-Difluorobenzene (Surr)	111		70 - 130	12/29/22 13:11	12/31/22 03:10	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			12/31/22 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/30/22 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		12/29/22 08:30	12/29/22 16:21	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/29/22 08:30	12/29/22 16:21	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/29/22 08:30	12/29/22 16:21	1
Total TPH	<49.8	U	49.8		mg/Kg		12/29/22 08:30	12/29/22 16:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130	12/29/22 08:30	12/29/22 16:21	1
o-Terphenyl	144	S1+	70 - 130	12/29/22 08:30	12/29/22 16:21	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-23052-4

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2030		25.2		mg/Kg			12/30/22 17:04	5

Client Sample ID: S-1 (2')

Lab Sample ID: 880-23052-5

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:11	12/31/22 03:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:11	12/31/22 03:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:11	12/31/22 03:31	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/29/22 13:11	12/31/22 03:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:11	12/31/22 03:31	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/29/22 13:11	12/31/22 03:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	12/29/22 13:11	12/31/22 03:31	1
1,4-Difluorobenzene (Surr)	109		70 - 130	12/29/22 13:11	12/31/22 03:31	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			12/31/22 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/30/22 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		12/29/22 08:30	12/29/22 16:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/29/22 08:30	12/29/22 16:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/29/22 08:30	12/29/22 16:42	1
Total TPH	<49.9	U	49.9		mg/Kg		12/29/22 08:30	12/29/22 16:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	12/29/22 08:30	12/29/22 16:42	1
o-Terphenyl	119		70 - 130	12/29/22 08:30	12/29/22 16:42	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1720		24.8		mg/Kg			12/30/22 17:12	5

Client Sample ID: S-1 (3')

Lab Sample ID: 880-23052-6

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:11	12/31/22 03:52	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/29/22 13:11	12/31/22 03:52	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-1 (3')

Lab Sample ID: 880-23052-6

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/29/22 13:11	12/31/22 03:52	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		12/29/22 13:11	12/31/22 03:52	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/29/22 13:11	12/31/22 03:52	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		12/29/22 13:11	12/31/22 03:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				12/29/22 13:11	12/31/22 03:52	1
1,4-Difluorobenzene (Surr)	109		70 - 130				12/29/22 13:11	12/31/22 03:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			12/31/22 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/30/22 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		12/29/22 08:30	12/29/22 17:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/29/22 08:30	12/29/22 17:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/29/22 08:30	12/29/22 17:04	1
Total TPH	<50.0	U	50.0		mg/Kg		12/29/22 08:30	12/29/22 17:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				12/29/22 08:30	12/29/22 17:04	1
o-Terphenyl	115		70 - 130				12/29/22 08:30	12/29/22 17:04	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	767		5.02		mg/Kg			12/30/22 17:21	1

Client Sample ID: S-1 (4')

Lab Sample ID: 880-23052-7

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:11	12/31/22 04:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:11	12/31/22 04:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:11	12/31/22 04:12	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/29/22 13:11	12/31/22 04:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:11	12/31/22 04:12	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/29/22 13:11	12/31/22 04:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				12/29/22 13:11	12/31/22 04:12	1
1,4-Difluorobenzene (Surr)	107		70 - 130				12/29/22 13:11	12/31/22 04:12	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-1 (4')

Lab Sample ID: 880-23052-7

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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			12/31/22 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/30/22 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		12/29/22 08:30	12/29/22 17:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/29/22 08:30	12/29/22 17:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/29/22 08:30	12/29/22 17:25	1
Total TPH	<50.0	U	50.0		mg/Kg		12/29/22 08:30	12/29/22 17:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130	12/29/22 08:30	12/29/22 17:25	1
o-Terphenyl	132	S1+	70 - 130	12/29/22 08:30	12/29/22 17:25	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1330		4.98		mg/Kg			12/30/22 17:47	1

Client Sample ID: S-2 (0-0.25')

Lab Sample ID: 880-23052-8

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:11	12/31/22 04:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:11	12/31/22 04:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:11	12/31/22 04:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/29/22 13:11	12/31/22 04:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:11	12/31/22 04:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/29/22 13:11	12/31/22 04:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	12/29/22 13:11	12/31/22 04:33	1
1,4-Difluorobenzene (Surr)	111		70 - 130	12/29/22 13:11	12/31/22 04:33	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			12/31/22 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/30/22 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		12/29/22 08:30	12/29/22 17:46	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-2 (0-0.25')

Lab Sample ID: 880-23052-8

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/29/22 08:30	12/29/22 17:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/29/22 08:30	12/29/22 17:46	1
Total TPH	<50.0	U	50.0		mg/Kg		12/29/22 08:30	12/29/22 17:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				12/29/22 08:30	12/29/22 17:46	1
o-Terphenyl	125		70 - 130				12/29/22 08:30	12/29/22 17:46	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1520		25.0		mg/Kg			12/30/22 17:56	5

Client Sample ID: S-2 (0.5')

Lab Sample ID: 880-23052-9

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:11	12/31/22 04:53	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/29/22 13:11	12/31/22 04:53	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/29/22 13:11	12/31/22 04:53	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/29/22 13:11	12/31/22 04:53	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/29/22 13:11	12/31/22 04:53	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/29/22 13:11	12/31/22 04:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				12/29/22 13:11	12/31/22 04:53	1
1,4-Difluorobenzene (Surr)	109		70 - 130				12/29/22 13:11	12/31/22 04:53	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			12/31/22 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/30/22 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		12/29/22 08:30	12/29/22 18:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/29/22 08:30	12/29/22 18:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/29/22 08:30	12/29/22 18:08	1
Total TPH	<50.0	U	50.0		mg/Kg		12/29/22 08:30	12/29/22 18:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130				12/29/22 08:30	12/29/22 18:08	1
o-Terphenyl	141	S1+	70 - 130				12/29/22 08:30	12/29/22 18:08	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-2 (0.5')

Lab Sample ID: 880-23052-9

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1040		25.0		mg/Kg			12/30/22 18:22	5

Client Sample ID: S-2 (1')

Lab Sample ID: 880-23052-10

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:11	12/31/22 05:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:11	12/31/22 05:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:11	12/31/22 05:14	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/29/22 13:11	12/31/22 05:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:11	12/31/22 05:14	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/29/22 13:11	12/31/22 05:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				12/29/22 13:11	12/31/22 05:14	1
1,4-Difluorobenzene (Surr)	111		70 - 130				12/29/22 13:11	12/31/22 05:14	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			12/31/22 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/30/22 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		12/29/22 08:30	12/29/22 18:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/29/22 08:30	12/29/22 18:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/29/22 08:30	12/29/22 18:29	1
Total TPH	<50.0	U	50.0		mg/Kg		12/29/22 08:30	12/29/22 18:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				12/29/22 08:30	12/29/22 18:29	1
o-Terphenyl	116		70 - 130				12/29/22 08:30	12/29/22 18:29	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	596		4.97		mg/Kg			12/30/22 18:31	1

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-23052-11

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:11	12/31/22 07:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:11	12/31/22 07:04	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-23052-11

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:11	12/31/22 07:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/29/22 13:11	12/31/22 07:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:11	12/31/22 07:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/29/22 13:11	12/31/22 07:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				12/29/22 13:11	12/31/22 07:04	1
1,4-Difluorobenzene (Surr)	104		70 - 130				12/29/22 13:11	12/31/22 07:04	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			12/31/22 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/30/22 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		12/29/22 08:30	12/29/22 19:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/29/22 08:30	12/29/22 19:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/29/22 08:30	12/29/22 19:13	1
Total TPH	<50.0	U	50.0		mg/Kg		12/29/22 08:30	12/29/22 19:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				12/29/22 08:30	12/29/22 19:13	1
o-Terphenyl	120		70 - 130				12/29/22 08:30	12/29/22 19:13	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	826		4.96		mg/Kg			12/30/22 18:40	1

Client Sample ID: S-2 (2')

Lab Sample ID: 880-23052-12

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:11	12/31/22 07:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:11	12/31/22 07:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:11	12/31/22 07:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/29/22 13:11	12/31/22 07:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:11	12/31/22 07:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/29/22 13:11	12/31/22 07:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				12/29/22 13:11	12/31/22 07:24	1
1,4-Difluorobenzene (Surr)	112		70 - 130				12/29/22 13:11	12/31/22 07:24	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-2 (2')

Lab Sample ID: 880-23052-12

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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			12/31/22 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/30/22 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		12/29/22 08:30	12/29/22 19:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/29/22 08:30	12/29/22 19:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/29/22 08:30	12/29/22 19:34	1
Total TPH	<50.0	U	50.0		mg/Kg		12/29/22 08:30	12/29/22 19:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	12/29/22 08:30	12/29/22 19:34	1
o-Terphenyl	114		70 - 130	12/29/22 08:30	12/29/22 19:34	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	915		5.02		mg/Kg			12/30/22 18:48	1

Client Sample ID: S-2 (3')

Lab Sample ID: 880-23052-13

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:11	12/31/22 07:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:11	12/31/22 07:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:11	12/31/22 07:45	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/29/22 13:11	12/31/22 07:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:11	12/31/22 07:45	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/29/22 13:11	12/31/22 07:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	12/29/22 13:11	12/31/22 07:45	1
1,4-Difluorobenzene (Surr)	104		70 - 130	12/29/22 13:11	12/31/22 07:45	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			12/31/22 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/30/22 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		12/29/22 08:30	12/29/22 19:56	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-2 (3')

Lab Sample ID: 880-23052-13

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 08:30	12/29/22 19:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/29/22 08:30	12/29/22 19:56	1
Total TPH	<49.9	U	49.9		mg/Kg		12/29/22 08:30	12/29/22 19:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				12/29/22 08:30	12/29/22 19:56	1
o-Terphenyl	121		70 - 130				12/29/22 08:30	12/29/22 19:56	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	671		5.05		mg/Kg			12/30/22 18:57	1

Client Sample ID: S- (4')

Lab Sample ID: 880-23052-14

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:11	12/31/22 08:05	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:11	12/31/22 08:05	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:11	12/31/22 08:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/29/22 13:11	12/31/22 08:05	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:11	12/31/22 08:05	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/29/22 13:11	12/31/22 08:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				12/29/22 13:11	12/31/22 08:05	1
1,4-Difluorobenzene (Surr)	106		70 - 130				12/29/22 13:11	12/31/22 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			12/31/22 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/30/22 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		12/29/22 08:30	12/29/22 20:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/29/22 08:30	12/29/22 20:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/29/22 08:30	12/29/22 20:17	1
Total TPH	<50.0	U	50.0		mg/Kg		12/29/22 08:30	12/29/22 20:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				12/29/22 08:30	12/29/22 20:17	1
o-Terphenyl	119		70 - 130				12/29/22 08:30	12/29/22 20:17	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S- (4')

Lab Sample ID: 880-23052-14

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	282		5.04		mg/Kg			12/30/22 19:06	1

Client Sample ID: S-3 (0-0.25')

Lab Sample ID: 880-23052-15

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:11	12/31/22 08:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:11	12/31/22 08:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:11	12/31/22 08:26	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/29/22 13:11	12/31/22 08:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:11	12/31/22 08:26	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/29/22 13:11	12/31/22 08:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				12/29/22 13:11	12/31/22 08:26	1
1,4-Difluorobenzene (Surr)	109		70 - 130				12/29/22 13:11	12/31/22 08:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/31/22 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/30/22 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		12/29/22 08:30	12/29/22 20:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/29/22 08:30	12/29/22 20:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/29/22 08:30	12/29/22 20:38	1
Total TPH	<49.9	U	49.9		mg/Kg		12/29/22 08:30	12/29/22 20:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130				12/29/22 08:30	12/29/22 20:38	1
o-Terphenyl	139	S1+	70 - 130				12/29/22 08:30	12/29/22 20:38	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3800		50.2		mg/Kg			12/30/22 19:14	10

Client Sample ID: S-3 (0.5')

Lab Sample ID: 880-23052-16

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:11	12/31/22 08:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:11	12/31/22 08:46	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-3 (0.5')

Lab Sample ID: 880-23052-16

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:11	12/31/22 08:46	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/29/22 13:11	12/31/22 08:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:11	12/31/22 08:46	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/29/22 13:11	12/31/22 08:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				12/29/22 13:11	12/31/22 08:46	1
1,4-Difluorobenzene (Surr)	114		70 - 130				12/29/22 13:11	12/31/22 08:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/31/22 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/30/22 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		12/29/22 08:30	12/29/22 20:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/29/22 08:30	12/29/22 20:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/29/22 08:30	12/29/22 20:59	1
Total TPH	<50.0	U	50.0		mg/Kg		12/29/22 08:30	12/29/22 20:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				12/29/22 08:30	12/29/22 20:59	1
o-Terphenyl	123		70 - 130				12/29/22 08:30	12/29/22 20:59	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2310		25.2		mg/Kg			12/30/22 15:38	5

Client Sample ID: S-3 (1')

Lab Sample ID: 880-23052-17

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:11	12/31/22 09:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:11	12/31/22 09:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:11	12/31/22 09:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/29/22 13:11	12/31/22 09:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:11	12/31/22 09:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/29/22 13:11	12/31/22 09:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				12/29/22 13:11	12/31/22 09:07	1
1,4-Difluorobenzene (Surr)	109		70 - 130				12/29/22 13:11	12/31/22 09:07	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-3 (1')

Lab Sample ID: 880-23052-17

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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			12/31/22 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/30/22 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		12/29/22 08:30	12/29/22 21:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/29/22 08:30	12/29/22 21:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/29/22 08:30	12/29/22 21:21	1
Total TPH	<50.0	U	50.0		mg/Kg		12/29/22 08:30	12/29/22 21:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130	12/29/22 08:30	12/29/22 21:21	1
o-Terphenyl	137	S1+	70 - 130	12/29/22 08:30	12/29/22 21:21	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1210		24.9		mg/Kg			12/30/22 16:16	5

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-23052-18

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:11	12/31/22 09:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:11	12/31/22 09:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:11	12/31/22 09:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/29/22 13:11	12/31/22 09:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:11	12/31/22 09:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/29/22 13:11	12/31/22 09:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	12/29/22 13:11	12/31/22 09:27	1
1,4-Difluorobenzene (Surr)	105		70 - 130	12/29/22 13:11	12/31/22 09:27	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			12/31/22 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/30/22 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		12/29/22 08:30	12/29/22 21:44	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-23052-18

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 08:30	12/29/22 21:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/29/22 08:30	12/29/22 21:44	1
Total TPH	<49.9	U	49.9		mg/Kg		12/29/22 08:30	12/29/22 21:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				12/29/22 08:30	12/29/22 21:44	1
o-Terphenyl	101		70 - 130				12/29/22 08:30	12/29/22 21:44	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1030		4.97		mg/Kg			12/30/22 16:21	1

Client Sample ID: S-3 (2')

Lab Sample ID: 880-23052-19

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:11	12/31/22 09:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:11	12/31/22 09:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:11	12/31/22 09:48	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/29/22 13:11	12/31/22 09:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:11	12/31/22 09:48	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/29/22 13:11	12/31/22 09:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				12/29/22 13:11	12/31/22 09:48	1
1,4-Difluorobenzene (Surr)	110		70 - 130				12/29/22 13:11	12/31/22 09:48	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			12/31/22 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/30/22 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		12/29/22 08:30	12/29/22 22:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/29/22 08:30	12/29/22 22:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/29/22 08:30	12/29/22 22:06	1
Total TPH	<49.9	U	49.9		mg/Kg		12/29/22 08:30	12/29/22 22:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				12/29/22 08:30	12/29/22 22:06	1
o-Terphenyl	112		70 - 130				12/29/22 08:30	12/29/22 22:06	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-3 (2')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-19

Matrix: Solid

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	505		4.98		mg/Kg			12/30/22 16:25	1

Client Sample ID: S-4 (0-0.25')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-20

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/29/22 13:11	12/31/22 10:08	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/29/22 13:11	12/31/22 10:08	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/29/22 13:11	12/31/22 10:08	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/29/22 13:11	12/31/22 10:08	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/29/22 13:11	12/31/22 10:08	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/29/22 13:11	12/31/22 10:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	12/29/22 13:11	12/31/22 10:08	1
1,4-Difluorobenzene (Surr)	112		70 - 130	12/29/22 13:11	12/31/22 10:08	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			12/31/22 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/30/22 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		12/29/22 08:30	12/29/22 22:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/29/22 08:30	12/29/22 22:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/29/22 08:30	12/29/22 22:27	1
Total TPH	<50.0	U	50.0		mg/Kg		12/29/22 08:30	12/29/22 22:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130	12/29/22 08:30	12/29/22 22:27	1
o-Terphenyl	128		70 - 130	12/29/22 08:30	12/29/22 22:27	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6590		49.8		mg/Kg			12/30/22 16:30	10

Client Sample ID: S-4 (0.5')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-21

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/29/22 13:16	12/31/22 16:20	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/29/22 13:16	12/31/22 16:20	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-4 (0.5')

Lab Sample ID: 880-23052-21

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/29/22 13:16	12/31/22 16:20	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		12/29/22 13:16	12/31/22 16:20	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/29/22 13:16	12/31/22 16:20	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		12/29/22 13:16	12/31/22 16:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	230	S1+	70 - 130				12/29/22 13:16	12/31/22 16:20	1
1,4-Difluorobenzene (Surr)	64	S1-	70 - 130				12/29/22 13:16	12/31/22 16:20	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			01/03/23 09:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/30/22 12:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *	49.9		mg/Kg		12/29/22 16:07	12/30/22 00:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U *	49.9		mg/Kg		12/29/22 16:07	12/30/22 00:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/29/22 16:07	12/30/22 00:14	1
Total TPH	<49.9	U	49.9		mg/Kg		12/29/22 16:07	12/30/22 00:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				12/29/22 16:07	12/30/22 00:14	1
o-Terphenyl	121		70 - 130				12/29/22 16:07	12/30/22 00:14	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5990		49.6		mg/Kg			12/30/22 16:44	10

Client Sample ID: S-4 (1')

Lab Sample ID: 880-23052-22

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:16	12/31/22 16:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:16	12/31/22 16:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:16	12/31/22 16:48	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/29/22 13:16	12/31/22 16:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:16	12/31/22 16:48	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/29/22 13:16	12/31/22 16:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	232	S1+	70 - 130				12/29/22 13:16	12/31/22 16:48	1
1,4-Difluorobenzene (Surr)	71		70 - 130				12/29/22 13:16	12/31/22 16:48	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-4 (1')

Lab Sample ID: 880-23052-22

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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			01/03/23 09:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/30/22 12:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *	49.9		mg/Kg		12/29/22 16:07	12/30/22 01:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U *	49.9		mg/Kg		12/29/22 16:07	12/30/22 01:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/29/22 16:07	12/30/22 01:17	1
Total TPH	<49.9	U	49.9		mg/Kg		12/29/22 16:07	12/30/22 01:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	133	S1+	70 - 130	12/29/22 16:07	12/30/22 01:17	1
o-Terphenyl	131	S1+	70 - 130	12/29/22 16:07	12/30/22 01:17	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3090		25.2		mg/Kg			12/30/22 16:49	5

Client Sample ID: S-4 (1.5')

Lab Sample ID: 880-23052-23

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:16	12/31/22 17:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:16	12/31/22 17:15	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:16	12/31/22 17:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/29/22 13:16	12/31/22 17:15	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:16	12/31/22 17:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/29/22 13:16	12/31/22 17:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	227	S1+	70 - 130	12/29/22 13:16	12/31/22 17:15	1
1,4-Difluorobenzene (Surr)	70		70 - 130	12/29/22 13:16	12/31/22 17:15	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			01/03/23 09:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/30/22 12:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *	49.9		mg/Kg		12/29/22 16:07	12/30/22 01:39	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-4 (1.5')

Lab Sample ID: 880-23052-23

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 16:07	12/30/22 01:39	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/29/22 16:07	12/30/22 01:39	1
Total TPH	<49.9	U	49.9		mg/Kg		12/29/22 16:07	12/30/22 01:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130				12/29/22 16:07	12/30/22 01:39	1
o-Terphenyl	133	S1+	70 - 130				12/29/22 16:07	12/30/22 01:39	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	168		5.03		mg/Kg			12/30/22 16:53	1

Client Sample ID: S-4 (2')

Lab Sample ID: 880-23052-24

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:16	12/31/22 17:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:16	12/31/22 17:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:16	12/31/22 17:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/29/22 13:16	12/31/22 17:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:16	12/31/22 17:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/29/22 13:16	12/31/22 17:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	202	S1+	70 - 130				12/29/22 13:16	12/31/22 17:43	1
1,4-Difluorobenzene (Surr)	76		70 - 130				12/29/22 13:16	12/31/22 17:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/03/23 09:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/30/22 12:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *	49.8		mg/Kg		12/29/22 16:07	12/30/22 02:00	1
Diesel Range Organics (Over C10-C28)	<49.8	U *	49.8		mg/Kg		12/29/22 16:07	12/30/22 02:00	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/29/22 16:07	12/30/22 02:00	1
Total TPH	<49.8	U	49.8		mg/Kg		12/29/22 16:07	12/30/22 02:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				12/29/22 16:07	12/30/22 02:00	1
o-Terphenyl	114		70 - 130				12/29/22 16:07	12/30/22 02:00	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-4 (2')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-24

Matrix: Solid

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	77.0		4.98		mg/Kg			12/30/22 16:58	1

Client Sample ID: S-5 (0-0.25')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-25

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:16	12/31/22 18:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:16	12/31/22 18:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:16	12/31/22 18:11	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/29/22 13:16	12/31/22 18:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:16	12/31/22 18:11	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/29/22 13:16	12/31/22 18:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	227	S1+	70 - 130	12/29/22 13:16	12/31/22 18:11	1
1,4-Difluorobenzene (Surr)	73		70 - 130	12/29/22 13:16	12/31/22 18:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/03/23 09:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	335		49.9		mg/Kg			01/03/23 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/30/22 15:02	12/31/22 10:34	1
Diesel Range Organics (Over C10-C28)	335		49.9		mg/Kg		12/30/22 15:02	12/31/22 10:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/30/22 15:02	12/31/22 10:34	1
Total TPH	335		49.9		mg/Kg		12/30/22 15:02	12/31/22 10:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	12/30/22 15:02	12/31/22 10:34	1
o-Terphenyl	94		70 - 130	12/30/22 15:02	12/31/22 10:34	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6770		49.9		mg/Kg			12/30/22 17:03	10

Client Sample ID: S-5 (0.5')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-26

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:16	12/31/22 18:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:16	12/31/22 18:39	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-5 (0.5')

Lab Sample ID: 880-23052-26

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:16	12/31/22 18:39	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/29/22 13:16	12/31/22 18:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:16	12/31/22 18:39	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/29/22 13:16	12/31/22 18:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	210	S1+	70 - 130				12/29/22 13:16	12/31/22 18:39	1
1,4-Difluorobenzene (Surr)	62	S1-	70 - 130				12/29/22 13:16	12/31/22 18:39	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			01/03/23 09:45	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			12/30/22 12:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *	50.0		mg/Kg		12/29/22 16:07	12/30/22 02:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U *	50.0		mg/Kg		12/29/22 16:07	12/30/22 02:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/29/22 16:07	12/30/22 02:43	1
Total TPH	<50.0	U	50.0		mg/Kg		12/29/22 16:07	12/30/22 02:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				12/29/22 16:07	12/30/22 02:43	1
o-Terphenyl	119		70 - 130				12/29/22 16:07	12/30/22 02:43	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4660	F1	49.8		mg/Kg			12/30/22 17:08	10

Client Sample ID: S-5 (1')

Lab Sample ID: 880-23052-27

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:16	12/31/22 19:08	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/29/22 13:16	12/31/22 19:08	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/29/22 13:16	12/31/22 19:08	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/29/22 13:16	12/31/22 19:08	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/29/22 13:16	12/31/22 19:08	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/29/22 13:16	12/31/22 19:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	228	S1+	70 - 130				12/29/22 13:16	12/31/22 19:08	1
1,4-Difluorobenzene (Surr)	75		70 - 130				12/29/22 13:16	12/31/22 19:08	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-5 (1')

Lab Sample ID: 880-23052-27

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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			01/03/23 09:45	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			12/30/22 12:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *	50.0		mg/Kg		12/29/22 16:07	12/30/22 03:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U *	50.0		mg/Kg		12/29/22 16:07	12/30/22 03:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/29/22 16:07	12/30/22 03:05	1
Total TPH	<50.0	U	50.0		mg/Kg		12/29/22 16:07	12/30/22 03:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130	12/29/22 16:07	12/30/22 03:05	1
o-Terphenyl	120		70 - 130	12/29/22 16:07	12/30/22 03:05	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	965		4.97		mg/Kg			12/30/22 17:22	1

Client Sample ID: S-5 (1.5')

Lab Sample ID: 880-23052-28

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:16	12/31/22 19:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:16	12/31/22 19:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:16	12/31/22 19:36	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/29/22 13:16	12/31/22 19:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:16	12/31/22 19:36	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/29/22 13:16	12/31/22 19:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	228	S1+	70 - 130	12/29/22 13:16	12/31/22 19:36	1
1,4-Difluorobenzene (Surr)	73		70 - 130	12/29/22 13:16	12/31/22 19:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/03/23 09:45	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			12/30/22 12:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *	50.0		mg/Kg		12/29/22 16:07	12/30/22 03:27	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-5 (1.5')

Lab Sample ID: 880-23052-28

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U *	50.0		mg/Kg		12/29/22 16:07	12/30/22 03:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/29/22 16:07	12/30/22 03:27	1
Total TPH	<50.0	U	50.0		mg/Kg		12/29/22 16:07	12/30/22 03:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				12/29/22 16:07	12/30/22 03:27	1
o-Terphenyl	113		70 - 130				12/29/22 16:07	12/30/22 03:27	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2830		49.6		mg/Kg			12/30/22 17:26	10

Client Sample ID: S-5 (2')

Lab Sample ID: 880-23052-29

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:16	12/31/22 20:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:16	12/31/22 20:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:16	12/31/22 20:04	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/29/22 13:16	12/31/22 20:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:16	12/31/22 20:04	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/29/22 13:16	12/31/22 20:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	242	S1+	70 - 130				12/29/22 13:16	12/31/22 20:04	1
1,4-Difluorobenzene (Surr)	72		70 - 130				12/29/22 13:16	12/31/22 20:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			01/03/23 09:45	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			12/30/22 12:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *	50.0		mg/Kg		12/29/22 16:07	12/30/22 03:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U *	50.0		mg/Kg		12/29/22 16:07	12/30/22 03:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/29/22 16:07	12/30/22 03:46	1
Total TPH	<50.0	U	50.0		mg/Kg		12/29/22 16:07	12/30/22 03:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	11	S1-	70 - 130				12/29/22 16:07	12/30/22 03:46	1
o-Terphenyl	13	S1-	70 - 130				12/29/22 16:07	12/30/22 03:46	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-5 (2')

Lab Sample ID: 880-23052-29

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	936		4.98		mg/Kg			12/30/22 17:40	1

Client Sample ID: S-5 (3')

Lab Sample ID: 880-23052-30

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:16	12/31/22 20:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:16	12/31/22 20:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:16	12/31/22 20:31	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/29/22 13:16	12/31/22 20:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:16	12/31/22 20:31	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/29/22 13:16	12/31/22 20:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	242	S1+	70 - 130	12/29/22 13:16	12/31/22 20:31	1
1,4-Difluorobenzene (Surr)	67	S1-	70 - 130	12/29/22 13:16	12/31/22 20:31	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			01/03/23 09:45	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			12/30/22 12:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *	50.0		mg/Kg		12/29/22 16:07	12/30/22 04:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U *	50.0		mg/Kg		12/29/22 16:07	12/30/22 04:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/29/22 16:07	12/30/22 04:54	1
Total TPH	<50.0	U	50.0		mg/Kg		12/29/22 16:07	12/30/22 04:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130	12/29/22 16:07	12/30/22 04:54	1
o-Terphenyl	125		70 - 130	12/29/22 16:07	12/30/22 04:54	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1310		25.2		mg/Kg			12/30/22 17:45	5

Client Sample ID: S-5 (4')

Lab Sample ID: 880-23052-31

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:16	12/31/22 22:23	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/29/22 13:16	12/31/22 22:23	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-5 (4')

Lab Sample ID: 880-23052-31

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/29/22 13:16	12/31/22 22:23	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/29/22 13:16	12/31/22 22:23	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/29/22 13:16	12/31/22 22:23	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/29/22 13:16	12/31/22 22:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	253	S1+	70 - 130				12/29/22 13:16	12/31/22 22:23	1
1,4-Difluorobenzene (Surr)	72		70 - 130				12/29/22 13:16	12/31/22 22:23	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			01/03/23 09:45	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			12/30/22 12:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *	50.0		mg/Kg		12/29/22 16:07	12/30/22 05:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U *	50.0		mg/Kg		12/29/22 16:07	12/30/22 05:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/29/22 16:07	12/30/22 05:38	1
Total TPH	<50.0	U	50.0		mg/Kg		12/29/22 16:07	12/30/22 05:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				12/29/22 16:07	12/30/22 05:38	1
o-Terphenyl	119		70 - 130				12/29/22 16:07	12/30/22 05:38	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1430		25.3		mg/Kg			12/30/22 17:50	5

Client Sample ID: S-5 (5')

Lab Sample ID: 880-23052-32

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:16	12/31/22 22:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:16	12/31/22 22:48	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:16	12/31/22 22:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/29/22 13:16	12/31/22 22:48	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:16	12/31/22 22:48	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/29/22 13:16	12/31/22 22:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	233	S1+	70 - 130				12/29/22 13:16	12/31/22 22:48	1
1,4-Difluorobenzene (Surr)	67	S1-	70 - 130				12/29/22 13:16	12/31/22 22:48	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-5 (5')

Lab Sample ID: 880-23052-32

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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			01/03/23 09:45	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			12/30/22 12:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *	50.0		mg/Kg		12/29/22 16:07	12/30/22 05:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U *	50.0		mg/Kg		12/29/22 16:07	12/30/22 05:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/29/22 16:07	12/30/22 05:59	1
Total TPH	<50.0	U	50.0		mg/Kg		12/29/22 16:07	12/30/22 05:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	147	S1+	70 - 130	12/29/22 16:07	12/30/22 05:59	1
o-Terphenyl	143	S1+	70 - 130	12/29/22 16:07	12/30/22 05:59	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2270		24.8		mg/Kg			12/30/22 17:55	5

Client Sample ID: S-6 (0-0.25')

Lab Sample ID: 880-23052-33

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:16	12/31/22 23:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:16	12/31/22 23:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:16	12/31/22 23:15	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/29/22 13:16	12/31/22 23:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:16	12/31/22 23:15	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/29/22 13:16	12/31/22 23:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	256	S1+	70 - 130	12/29/22 13:16	12/31/22 23:15	1
1,4-Difluorobenzene (Surr)	70		70 - 130	12/29/22 13:16	12/31/22 23:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/03/23 09:45	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			12/30/22 12:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *	50.0		mg/Kg		12/29/22 16:07	12/30/22 06:21	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-6 (0-0.25')

Lab Sample ID: 880-23052-33

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U *	50.0		mg/Kg		12/29/22 16:07	12/30/22 06:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/29/22 16:07	12/30/22 06:21	1
Total TPH	<50.0	U	50.0		mg/Kg		12/29/22 16:07	12/30/22 06:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				12/29/22 16:07	12/30/22 06:21	1
o-Terphenyl	114		70 - 130				12/29/22 16:07	12/30/22 06:21	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4290		99.8		mg/Kg			12/30/22 17:59	20

Client Sample ID: S-6 (0.5')

Lab Sample ID: 880-23052-34

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:16	12/31/22 23:40	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/29/22 13:16	12/31/22 23:40	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/29/22 13:16	12/31/22 23:40	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/29/22 13:16	12/31/22 23:40	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/29/22 13:16	12/31/22 23:40	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/29/22 13:16	12/31/22 23:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	251	S1+	70 - 130				12/29/22 13:16	12/31/22 23:40	1
1,4-Difluorobenzene (Surr)	62	S1-	70 - 130				12/29/22 13:16	12/31/22 23:40	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			01/03/23 09:45	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			12/30/22 12:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *	50.0		mg/Kg		12/29/22 16:07	12/30/22 06:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U *	50.0		mg/Kg		12/29/22 16:07	12/30/22 06:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/29/22 16:07	12/30/22 06:42	1
Total TPH	<50.0	U	50.0		mg/Kg		12/29/22 16:07	12/30/22 06:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	140	S1+	70 - 130				12/29/22 16:07	12/30/22 06:42	1
o-Terphenyl	133	S1+	70 - 130				12/29/22 16:07	12/30/22 06:42	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-6 (0.5')

Lab Sample ID: 880-23052-34

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8150		99.4		mg/Kg			12/30/22 18:04	20

Client Sample ID: S-7 (0-0.25')

Lab Sample ID: 880-23052-35

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:16	01/01/23 00:06	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/29/22 13:16	01/01/23 00:06	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/29/22 13:16	01/01/23 00:06	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/29/22 13:16	01/01/23 00:06	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/29/22 13:16	01/01/23 00:06	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/29/22 13:16	01/01/23 00:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	299	S1+	70 - 130	12/29/22 13:16	01/01/23 00:06	1
1,4-Difluorobenzene (Surr)	92		70 - 130	12/29/22 13:16	01/01/23 00:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/03/23 09:45	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			12/30/22 12:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *	50.0		mg/Kg		12/29/22 16:07	12/30/22 07:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U *	50.0		mg/Kg		12/29/22 16:07	12/30/22 07:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/29/22 16:07	12/30/22 07:04	1
Total TPH	<50.0	U	50.0		mg/Kg		12/29/22 16:07	12/30/22 07:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	12/29/22 16:07	12/30/22 07:04	1
o-Terphenyl	108		70 - 130	12/29/22 16:07	12/30/22 07:04	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49.7		1.01		mg/Kg			12/30/22 18:09	20

Client Sample ID: S-7 (0.5')

Lab Sample ID: 880-23052-36

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:16	01/01/23 00:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:16	01/01/23 00:31	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-7 (0.5')

Lab Sample ID: 880-23052-36

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:16	01/01/23 00:31	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/29/22 13:16	01/01/23 00:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:16	01/01/23 00:31	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/29/22 13:16	01/01/23 00:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	275	S1+	70 - 130				12/29/22 13:16	01/01/23 00:31	1
1,4-Difluorobenzene (Surr)	74		70 - 130				12/29/22 13:16	01/01/23 00:31	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			01/03/23 09:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/30/22 12:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *	49.9		mg/Kg		12/29/22 16:07	12/30/22 07:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U *	49.9		mg/Kg		12/29/22 16:07	12/30/22 07:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/29/22 16:07	12/30/22 07:27	1
Total TPH	<49.9	U	49.9		mg/Kg		12/29/22 16:07	12/30/22 07:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130				12/29/22 16:07	12/30/22 07:27	1
o-Terphenyl	117		70 - 130				12/29/22 16:07	12/30/22 07:27	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5780		100		mg/Kg			12/31/22 01:56	20

Client Sample ID: S-7 (1')

Lab Sample ID: 880-23052-37

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:16	01/01/23 00:57	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/29/22 13:16	01/01/23 00:57	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/29/22 13:16	01/01/23 00:57	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/29/22 13:16	01/01/23 00:57	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/29/22 13:16	01/01/23 00:57	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/29/22 13:16	01/01/23 00:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	279	S1+	70 - 130				12/29/22 13:16	01/01/23 00:57	1
1,4-Difluorobenzene (Surr)	75		70 - 130				12/29/22 13:16	01/01/23 00:57	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-7 (1')

Lab Sample ID: 880-23052-37

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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			01/03/23 09:45	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			12/30/22 12:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *	50.0		mg/Kg		12/29/22 16:07	12/30/22 07:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U *	50.0		mg/Kg		12/29/22 16:07	12/30/22 07:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/29/22 16:07	12/30/22 07:50	1
Total TPH	<50.0	U	50.0		mg/Kg		12/29/22 16:07	12/30/22 07:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130	12/29/22 16:07	12/30/22 07:50	1
o-Terphenyl	116		70 - 130	12/29/22 16:07	12/30/22 07:50	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4690		50.4		mg/Kg			12/31/22 02:22	10

Client Sample ID: S-7 (1.5')

Lab Sample ID: 880-23052-38

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:16	01/01/23 01:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:16	01/01/23 01:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:16	01/01/23 01:23	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/29/22 13:16	01/01/23 01:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:16	01/01/23 01:23	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/29/22 13:16	01/01/23 01:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	264	S1+	70 - 130	12/29/22 13:16	01/01/23 01:23	1
1,4-Difluorobenzene (Surr)	63	S1-	70 - 130	12/29/22 13:16	01/01/23 01:23	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			01/03/23 09:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/30/22 12:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *	49.9		mg/Kg		12/29/22 16:07	12/30/22 08:11	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-7 (1.5')

Lab Sample ID: 880-23052-38

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 16:07	12/30/22 08:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/29/22 16:07	12/30/22 08:11	1
Total TPH	<49.9	U	49.9		mg/Kg		12/29/22 16:07	12/30/22 08:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				12/29/22 16:07	12/30/22 08:11	1
o-Terphenyl	111		70 - 130				12/29/22 16:07	12/30/22 08:11	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5200		50.3		mg/Kg			12/31/22 02:31	10

Client Sample ID: S-7 (2')

Lab Sample ID: 880-23052-39

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:16	01/01/23 01:49	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/29/22 13:16	01/01/23 01:49	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/29/22 13:16	01/01/23 01:49	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/29/22 13:16	01/01/23 01:49	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/29/22 13:16	01/01/23 01:49	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/29/22 13:16	01/01/23 01:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	255	S1+	70 - 130				12/29/22 13:16	01/01/23 01:49	1
1,4-Difluorobenzene (Surr)	70		70 - 130				12/29/22 13:16	01/01/23 01:49	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			01/03/23 09:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/30/22 12:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *	49.9		mg/Kg		12/29/22 16:07	12/30/22 08:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U *	49.9		mg/Kg		12/29/22 16:07	12/30/22 08:33	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/29/22 16:07	12/30/22 08:33	1
Total TPH	<49.9	U	49.9		mg/Kg		12/29/22 16:07	12/30/22 08:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130				12/29/22 16:07	12/30/22 08:33	1
o-Terphenyl	122		70 - 130				12/29/22 16:07	12/30/22 08:33	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-7 (2')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-39

Matrix: Solid

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3600		50.5		mg/Kg			12/31/22 07:32	10

Client Sample ID: S-7 (3')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-40

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/29/22 13:16	01/01/23 02:15	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/29/22 13:16	01/01/23 02:15	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/29/22 13:16	01/01/23 02:15	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		12/29/22 13:16	01/01/23 02:15	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/29/22 13:16	01/01/23 02:15	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		12/29/22 13:16	01/01/23 02:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	240	S1+	70 - 130	12/29/22 13:16	01/01/23 02:15	1
1,4-Difluorobenzene (Surr)	76		70 - 130	12/29/22 13:16	01/01/23 02:15	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			01/03/23 09:45	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			12/30/22 12:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *	50.0		mg/Kg		12/29/22 16:07	12/30/22 08:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U *	50.0		mg/Kg		12/29/22 16:07	12/30/22 08:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/29/22 16:07	12/30/22 08:54	1
Total TPH	<50.0	U	50.0		mg/Kg		12/29/22 16:07	12/30/22 08:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	12/29/22 16:07	12/30/22 08:54	1
o-Terphenyl	85		70 - 130	12/29/22 16:07	12/30/22 08:54	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	976		4.95		mg/Kg			12/31/22 07:40	1

Client Sample ID: S-7 (4')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-41

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/29/22 13:26	12/31/22 10:11	1
Toluene	<0.00201	U *	0.00201		mg/Kg		12/29/22 13:26	12/31/22 10:11	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-7 (4')

Lab Sample ID: 880-23052-41

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00201	U *	0.00201		mg/Kg		12/29/22 13:26	12/31/22 10:11	1
m-Xylene & p-Xylene	<0.00402	U *	0.00402		mg/Kg		12/29/22 13:26	12/31/22 10:11	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/29/22 13:26	12/31/22 10:11	1
Xylenes, Total	<0.00402	U *	0.00402		mg/Kg		12/29/22 13:26	12/31/22 10:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	12/29/22 13:26	12/31/22 10:11	1
1,4-Difluorobenzene (Surr)	104		70 - 130	12/29/22 13:26	12/31/22 10:11	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			01/03/23 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/30/22 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		12/29/22 16:10	12/30/22 00:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/29/22 16:10	12/30/22 00:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/29/22 16:10	12/30/22 00:14	1
Total TPH	<49.9	U	49.9		mg/Kg		12/29/22 16:10	12/30/22 00:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	12/29/22 16:10	12/30/22 00:14	1
o-Terphenyl	118		70 - 130	12/29/22 16:10	12/30/22 00:14	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1480		25.2		mg/Kg			12/31/22 08:06	5

Client Sample ID: S-7 (5')

Lab Sample ID: 880-23052-42

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:26	12/31/22 10:32	1
Toluene	<0.00200	U *	0.00200		mg/Kg		12/29/22 13:26	12/31/22 10:32	1
Ethylbenzene	<0.00200	U *	0.00200		mg/Kg		12/29/22 13:26	12/31/22 10:32	1
m-Xylene & p-Xylene	<0.00399	U *	0.00399		mg/Kg		12/29/22 13:26	12/31/22 10:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:26	12/31/22 10:32	1
Xylenes, Total	<0.00399	U *	0.00399		mg/Kg		12/29/22 13:26	12/31/22 10:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	12/29/22 13:26	12/31/22 10:32	1
1,4-Difluorobenzene (Surr)	105		70 - 130	12/29/22 13:26	12/31/22 10:32	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-7 (5')

Lab Sample ID: 880-23052-42

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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			01/03/23 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/30/22 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		12/29/22 16:10	12/30/22 01:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/29/22 16:10	12/30/22 01:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/29/22 16:10	12/30/22 01:17	1
Total TPH	<49.9	U	49.9		mg/Kg		12/29/22 16:10	12/30/22 01:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130	12/29/22 16:10	12/30/22 01:17	1
o-Terphenyl	132	S1+	70 - 130	12/29/22 16:10	12/30/22 01:17	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	987		25.1		mg/Kg			12/31/22 08:15	5

Client Sample ID: S-8 (0-1')

Lab Sample ID: 880-23052-43

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:26	12/31/22 10:52	1
Toluene	<0.00199	U *	0.00199		mg/Kg		12/29/22 13:26	12/31/22 10:52	1
Ethylbenzene	<0.00199	U *	0.00199		mg/Kg		12/29/22 13:26	12/31/22 10:52	1
m-Xylene & p-Xylene	<0.00398	U *	0.00398		mg/Kg		12/29/22 13:26	12/31/22 10:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:26	12/31/22 10:52	1
Xylenes, Total	<0.00398	U *	0.00398		mg/Kg		12/29/22 13:26	12/31/22 10:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	12/29/22 13:26	12/31/22 10:52	1
1,4-Difluorobenzene (Surr)	106		70 - 130	12/29/22 13:26	12/31/22 10:52	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			01/03/23 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/30/22 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		12/29/22 16:10	12/30/22 01:39	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-8 (0-1')

Lab Sample ID: 880-23052-43

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 16:10	12/30/22 01:39	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/29/22 16:10	12/30/22 01:39	1
Total TPH	<49.9	U	49.9		mg/Kg		12/29/22 16:10	12/30/22 01:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				12/29/22 16:10	12/30/22 01:39	1
o-Terphenyl	130		70 - 130				12/29/22 16:10	12/30/22 01:39	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6390		50.0		mg/Kg			12/31/22 08:24	10

Client Sample ID: S-8 (1.5')

Lab Sample ID: 880-23052-44

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:26	12/31/22 11:13	1
Toluene	<0.00199	U *	0.00199		mg/Kg		12/29/22 13:26	12/31/22 11:13	1
Ethylbenzene	<0.00199	U *	0.00199		mg/Kg		12/29/22 13:26	12/31/22 11:13	1
m-Xylene & p-Xylene	<0.00398	U *	0.00398		mg/Kg		12/29/22 13:26	12/31/22 11:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:26	12/31/22 11:13	1
Xylenes, Total	<0.00398	U *	0.00398		mg/Kg		12/29/22 13:26	12/31/22 11:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				12/29/22 13:26	12/31/22 11:13	1
1,4-Difluorobenzene (Surr)	107		70 - 130				12/29/22 13:26	12/31/22 11:13	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			01/03/23 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/30/22 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		12/29/22 16:10	12/30/22 02:00	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/29/22 16:10	12/30/22 02:00	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/29/22 16:10	12/30/22 02:00	1
Total TPH	<49.8	U	49.8		mg/Kg		12/29/22 16:10	12/30/22 02:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				12/29/22 16:10	12/30/22 02:00	1
o-Terphenyl	116		70 - 130				12/29/22 16:10	12/30/22 02:00	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-8 (1.5')

Lab Sample ID: 880-23052-44

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9300		49.6		mg/Kg			12/31/22 08:33	10

Client Sample ID: S-8 (2')

Lab Sample ID: 880-23052-45

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:26	12/31/22 11:34	1
Toluene	<0.00200	U *	0.00200		mg/Kg		12/29/22 13:26	12/31/22 11:34	1
Ethylbenzene	<0.00200	U *	0.00200		mg/Kg		12/29/22 13:26	12/31/22 11:34	1
m-Xylene & p-Xylene	<0.00399	U *	0.00399		mg/Kg		12/29/22 13:26	12/31/22 11:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:26	12/31/22 11:34	1
Xylenes, Total	<0.00399	U *	0.00399		mg/Kg		12/29/22 13:26	12/31/22 11:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	12/29/22 13:26	12/31/22 11:34	1
1,4-Difluorobenzene (Surr)	111		70 - 130	12/29/22 13:26	12/31/22 11:34	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			01/03/23 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/30/22 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		12/29/22 16:10	12/30/22 02:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/29/22 16:10	12/30/22 02:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/29/22 16:10	12/30/22 02:22	1
Total TPH	<49.9	U	49.9		mg/Kg		12/29/22 16:10	12/30/22 02:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	12/29/22 16:10	12/30/22 02:22	1
o-Terphenyl	123		70 - 130	12/29/22 16:10	12/30/22 02:22	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6470		49.6		mg/Kg			12/31/22 08:41	10

Client Sample ID: S-8 (3')

Lab Sample ID: 880-23052-46

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:26	12/31/22 11:55	1
Toluene	<0.00200	U *	0.00200		mg/Kg		12/29/22 13:26	12/31/22 11:55	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-8 (3')

Lab Sample ID: 880-23052-46

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U *	0.00200		mg/Kg		12/29/22 13:26	12/31/22 11:55	1
m-Xylene & p-Xylene	<0.00401	U *	0.00401		mg/Kg		12/29/22 13:26	12/31/22 11:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:26	12/31/22 11:55	1
Xylenes, Total	<0.00401	U *	0.00401		mg/Kg		12/29/22 13:26	12/31/22 11:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	12/29/22 13:26	12/31/22 11:55	1
1,4-Difluorobenzene (Surr)	110		70 - 130	12/29/22 13:26	12/31/22 11:55	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			01/03/23 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/30/22 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		12/29/22 16:10	12/30/22 02:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/29/22 16:10	12/30/22 02:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/29/22 16:10	12/30/22 02:43	1
Total TPH	<50.0	U	50.0		mg/Kg		12/29/22 16:10	12/30/22 02:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130	12/29/22 16:10	12/30/22 02:43	1
o-Terphenyl	137	S1+	70 - 130	12/29/22 16:10	12/30/22 02:43	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2250	F1	24.8		mg/Kg			12/31/22 08:50	5

Client Sample ID: S-8 (4')

Lab Sample ID: 880-23052-47

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:26	12/31/22 12:16	1
Toluene	<0.00199	U *	0.00199		mg/Kg		12/29/22 13:26	12/31/22 12:16	1
Ethylbenzene	<0.00199	U *	0.00199		mg/Kg		12/29/22 13:26	12/31/22 12:16	1
m-Xylene & p-Xylene	<0.00398	U *	0.00398		mg/Kg		12/29/22 13:26	12/31/22 12:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:26	12/31/22 12:16	1
Xylenes, Total	<0.00398	U *	0.00398		mg/Kg		12/29/22 13:26	12/31/22 12:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	12/29/22 13:26	12/31/22 12:16	1
1,4-Difluorobenzene (Surr)	109		70 - 130	12/29/22 13:26	12/31/22 12:16	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-8 (4')

Lab Sample ID: 880-23052-47

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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			01/03/23 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/30/22 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		12/29/22 16:10	12/30/22 03:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/29/22 16:10	12/30/22 03:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/29/22 16:10	12/30/22 03:05	1
Total TPH	<50.0	U	50.0		mg/Kg		12/29/22 16:10	12/30/22 03:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130	12/29/22 16:10	12/30/22 03:05	1
o-Terphenyl	129		70 - 130	12/29/22 16:10	12/30/22 03:05	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	743		5.05		mg/Kg			12/31/22 09:16	1

Client Sample ID: S-8 (5')

Lab Sample ID: 880-23052-48

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:26	12/31/22 12:37	1
Toluene	<0.00199	U *	0.00199		mg/Kg		12/29/22 13:26	12/31/22 12:37	1
Ethylbenzene	<0.00199	U *	0.00199		mg/Kg		12/29/22 13:26	12/31/22 12:37	1
m-Xylene & p-Xylene	<0.00398	U *	0.00398		mg/Kg		12/29/22 13:26	12/31/22 12:37	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:26	12/31/22 12:37	1
Xylenes, Total	<0.00398	U *	0.00398		mg/Kg		12/29/22 13:26	12/31/22 12:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	12/29/22 13:26	12/31/22 12:37	1
1,4-Difluorobenzene (Surr)	110		70 - 130	12/29/22 13:26	12/31/22 12:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/03/23 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/30/22 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		12/29/22 16:10	12/30/22 03:27	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-8 (5')

Lab Sample ID: 880-23052-48

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/29/22 16:10	12/30/22 03:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/29/22 16:10	12/30/22 03:27	1
Total TPH	<50.0	U	50.0		mg/Kg		12/29/22 16:10	12/30/22 03:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130				12/29/22 16:10	12/30/22 03:27	1
o-Terphenyl	139	S1+	70 - 130				12/29/22 16:10	12/30/22 03:27	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	916		25.2		mg/Kg			12/31/22 09:25	5

Client Sample ID: S-9 (0-1')

Lab Sample ID: 880-23052-49

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:26	12/31/22 12:58	1
Toluene	<0.00200	U *	0.00200		mg/Kg		12/29/22 13:26	12/31/22 12:58	1
Ethylbenzene	<0.00200	U *	0.00200		mg/Kg		12/29/22 13:26	12/31/22 12:58	1
m-Xylene & p-Xylene	<0.00399	U *	0.00399		mg/Kg		12/29/22 13:26	12/31/22 12:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:26	12/31/22 12:58	1
Xylenes, Total	<0.00399	U *	0.00399		mg/Kg		12/29/22 13:26	12/31/22 12:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				12/29/22 13:26	12/31/22 12:58	1
1,4-Difluorobenzene (Surr)	111		70 - 130				12/29/22 13:26	12/31/22 12:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/03/23 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/30/22 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		12/29/22 16:10	12/30/22 03:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/29/22 16:10	12/30/22 03:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/29/22 16:10	12/30/22 03:46	1
Total TPH	<50.0	U	50.0		mg/Kg		12/29/22 16:10	12/30/22 03:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	0.002	S1-	70 - 130				12/29/22 16:10	12/30/22 03:46	1
o-Terphenyl	0.04	S1-	70 - 130				12/29/22 16:10	12/30/22 03:46	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-9 (0-1')

Lab Sample ID: 880-23052-49

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6270		50.1		mg/Kg			12/31/22 09:51	10

Client Sample ID: S-9 (1.5')

Lab Sample ID: 880-23052-50

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:26	12/31/22 13:19	1
Toluene	<0.00201	U *	0.00201		mg/Kg		12/29/22 13:26	12/31/22 13:19	1
Ethylbenzene	<0.00201	U *	0.00201		mg/Kg		12/29/22 13:26	12/31/22 13:19	1
m-Xylene & p-Xylene	<0.00402	U *	0.00402		mg/Kg		12/29/22 13:26	12/31/22 13:19	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/29/22 13:26	12/31/22 13:19	1
Xylenes, Total	<0.00402	U *	0.00402		mg/Kg		12/29/22 13:26	12/31/22 13:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	12/29/22 13:26	12/31/22 13:19	1
1,4-Difluorobenzene (Surr)	109		70 - 130	12/29/22 13:26	12/31/22 13:19	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			01/03/23 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/30/22 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		12/29/22 16:10	12/30/22 04:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/29/22 16:10	12/30/22 04:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/29/22 16:10	12/30/22 04:54	1
Total TPH	<50.0	U	50.0		mg/Kg		12/29/22 16:10	12/30/22 04:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	12/29/22 16:10	12/30/22 04:54	1
o-Terphenyl	110		70 - 130	12/29/22 16:10	12/30/22 04:54	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	652		5.01		mg/Kg			12/31/22 10:00	1

Client Sample ID: S-9 (2')

Lab Sample ID: 880-23052-51

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:26	12/31/22 14:45	1
Toluene	<0.00199	U *	0.00199		mg/Kg		12/29/22 13:26	12/31/22 14:45	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-9 (2')

Lab Sample ID: 880-23052-51

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00199	U *	0.00199		mg/Kg		12/29/22 13:26	12/31/22 14:45	1
m-Xylene & p-Xylene	<0.00398	U *	0.00398		mg/Kg		12/29/22 13:26	12/31/22 14:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:26	12/31/22 14:45	1
Xylenes, Total	<0.00398	U *	0.00398		mg/Kg		12/29/22 13:26	12/31/22 14:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				12/29/22 13:26	12/31/22 14:45	1
1,4-Difluorobenzene (Surr)	105		70 - 130				12/29/22 13:26	12/31/22 14:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/03/23 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/30/22 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		12/29/22 16:10	12/30/22 05:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/29/22 16:10	12/30/22 05:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/29/22 16:10	12/30/22 05:38	1
Total TPH	<50.0	U	50.0		mg/Kg		12/29/22 16:10	12/30/22 05:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				12/29/22 16:10	12/30/22 05:38	1
o-Terphenyl	127		70 - 130				12/29/22 16:10	12/30/22 05:38	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	598		5.02		mg/Kg			12/31/22 10:08	1

Client Sample ID: S-9 (3')

Lab Sample ID: 880-23052-52

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:26	12/31/22 15:06	1
Toluene	<0.00199	U *	0.00199		mg/Kg		12/29/22 13:26	12/31/22 15:06	1
Ethylbenzene	<0.00199	U *	0.00199		mg/Kg		12/29/22 13:26	12/31/22 15:06	1
m-Xylene & p-Xylene	<0.00398	U *	0.00398		mg/Kg		12/29/22 13:26	12/31/22 15:06	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:26	12/31/22 15:06	1
Xylenes, Total	<0.00398	U *	0.00398		mg/Kg		12/29/22 13:26	12/31/22 15:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				12/29/22 13:26	12/31/22 15:06	1
1,4-Difluorobenzene (Surr)	108		70 - 130				12/29/22 13:26	12/31/22 15:06	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-9 (3')

Lab Sample ID: 880-23052-52

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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			01/03/23 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/30/22 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		12/29/22 16:10	12/30/22 05:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/29/22 16:10	12/30/22 05:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/29/22 16:10	12/30/22 05:59	1
Total TPH	<49.9	U	49.9		mg/Kg		12/29/22 16:10	12/30/22 05:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	12/29/22 16:10	12/30/22 05:59	1
o-Terphenyl	124		70 - 130	12/29/22 16:10	12/30/22 05:59	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	706		5.00		mg/Kg			12/31/22 10:17	1

Client Sample ID: S-9 (4')

Lab Sample ID: 880-23052-53

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:26	12/31/22 15:27	1
Toluene	<0.00200	U *	0.00200		mg/Kg		12/29/22 13:26	12/31/22 15:27	1
Ethylbenzene	<0.00200	U *	0.00200		mg/Kg		12/29/22 13:26	12/31/22 15:27	1
m-Xylene & p-Xylene	<0.00399	U *	0.00399		mg/Kg		12/29/22 13:26	12/31/22 15:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:26	12/31/22 15:27	1
Xylenes, Total	<0.00399	U *	0.00399		mg/Kg		12/29/22 13:26	12/31/22 15:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	12/29/22 13:26	12/31/22 15:27	1
1,4-Difluorobenzene (Surr)	108		70 - 130	12/29/22 13:26	12/31/22 15:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/03/23 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/30/22 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		12/29/22 16:10	12/30/22 06:21	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-9 (4')

Lab Sample ID: 880-23052-53

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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)	<49.8	U	49.8		mg/Kg		12/29/22 16:10	12/30/22 06:21	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/29/22 16:10	12/30/22 06:21	1
Total TPH	<49.8	U	49.8		mg/Kg		12/29/22 16:10	12/30/22 06:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				12/29/22 16:10	12/30/22 06:21	1
o-Terphenyl	107		70 - 130				12/29/22 16:10	12/30/22 06:21	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1370		4.99		mg/Kg			12/31/22 10:26	1

Client Sample ID: S-9 (5')

Lab Sample ID: 880-23052-54

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:26	12/31/22 15:48	1
Toluene	<0.00199	U *	0.00199		mg/Kg		12/29/22 13:26	12/31/22 15:48	1
Ethylbenzene	<0.00199	U *	0.00199		mg/Kg		12/29/22 13:26	12/31/22 15:48	1
m-Xylene & p-Xylene	<0.00398	U *	0.00398		mg/Kg		12/29/22 13:26	12/31/22 15:48	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:26	12/31/22 15:48	1
Xylenes, Total	<0.00398	U *	0.00398		mg/Kg		12/29/22 13:26	12/31/22 15:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				12/29/22 13:26	12/31/22 15:48	1
1,4-Difluorobenzene (Surr)	107		70 - 130				12/29/22 13:26	12/31/22 15:48	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			01/03/23 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/30/22 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		12/29/22 16:10	12/30/22 06:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/29/22 16:10	12/30/22 06:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/29/22 16:10	12/30/22 06:42	1
Total TPH	<49.9	U	49.9		mg/Kg		12/29/22 16:10	12/30/22 06:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130				12/29/22 16:10	12/30/22 06:42	1
o-Terphenyl	136	S1+	70 - 130				12/29/22 16:10	12/30/22 06:42	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-9 (5')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-54

Matrix: Solid

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1050		5.00		mg/Kg			12/31/22 10:35	1

Client Sample ID: S-10 (0-1')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-55

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:26	12/31/22 16:09	1
Toluene	<0.00199	U *	0.00199		mg/Kg		12/29/22 13:26	12/31/22 16:09	1
Ethylbenzene	<0.00199	U *	0.00199		mg/Kg		12/29/22 13:26	12/31/22 16:09	1
m-Xylene & p-Xylene	<0.00398	U *	0.00398		mg/Kg		12/29/22 13:26	12/31/22 16:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:26	12/31/22 16:09	1
Xylenes, Total	<0.00398	U *	0.00398		mg/Kg		12/29/22 13:26	12/31/22 16:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	12/29/22 13:26	12/31/22 16:09	1
1,4-Difluorobenzene (Surr)	108		70 - 130	12/29/22 13:26	12/31/22 16:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/03/23 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/30/22 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		12/29/22 16:10	12/30/22 07:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/29/22 16:10	12/30/22 07:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/29/22 16:10	12/30/22 07:04	1
Total TPH	<50.0	U	50.0		mg/Kg		12/29/22 16:10	12/30/22 07:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	12/29/22 16:10	12/30/22 07:04	1
o-Terphenyl	111		70 - 130	12/29/22 16:10	12/30/22 07:04	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5920		50.4		mg/Kg			12/31/22 10:43	10

Client Sample ID: S-10 (1.5')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-56

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:26	12/31/22 16:30	1
Toluene	<0.00200	U *	0.00200		mg/Kg		12/29/22 13:26	12/31/22 16:30	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-10 (1.5')

Lab Sample ID: 880-23052-56

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U *	0.00200		mg/Kg		12/29/22 13:26	12/31/22 16:30	1
m-Xylene & p-Xylene	<0.00399	U *	0.00399		mg/Kg		12/29/22 13:26	12/31/22 16:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:26	12/31/22 16:30	1
Xylenes, Total	<0.00399	U *	0.00399		mg/Kg		12/29/22 13:26	12/31/22 16:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				12/29/22 13:26	12/31/22 16:30	1
1,4-Difluorobenzene (Surr)	103		70 - 130				12/29/22 13:26	12/31/22 16:30	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			01/03/23 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/30/22 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		12/29/22 16:10	12/30/22 07:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/29/22 16:10	12/30/22 07:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/29/22 16:10	12/30/22 07:27	1
Total TPH	<49.9	U	49.9		mg/Kg		12/29/22 16:10	12/30/22 07:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				12/29/22 16:10	12/30/22 07:27	1
o-Terphenyl	92		70 - 130				12/29/22 16:10	12/30/22 07:27	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1750	F1	25.0		mg/Kg			12/31/22 11:53	5

Client Sample ID: S-10 (2')

Lab Sample ID: 880-23052-57

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:26	12/31/22 16:51	1
Toluene	<0.00199	U *	0.00199		mg/Kg		12/29/22 13:26	12/31/22 16:51	1
Ethylbenzene	<0.00199	U *	0.00199		mg/Kg		12/29/22 13:26	12/31/22 16:51	1
m-Xylene & p-Xylene	<0.00398	U *	0.00398		mg/Kg		12/29/22 13:26	12/31/22 16:51	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:26	12/31/22 16:51	1
Xylenes, Total	<0.00398	U *	0.00398		mg/Kg		12/29/22 13:26	12/31/22 16:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				12/29/22 13:26	12/31/22 16:51	1
1,4-Difluorobenzene (Surr)	110		70 - 130				12/29/22 13:26	12/31/22 16:51	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-10 (2')

Lab Sample ID: 880-23052-57

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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			01/03/23 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/30/22 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		12/29/22 16:10	12/30/22 07:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/29/22 16:10	12/30/22 07:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/29/22 16:10	12/30/22 07:50	1
Total TPH	<50.0	U	50.0		mg/Kg		12/29/22 16:10	12/30/22 07:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	12/29/22 16:10	12/30/22 07:50	1
o-Terphenyl	103		70 - 130	12/29/22 16:10	12/30/22 07:50	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1940		25.2		mg/Kg			12/31/22 12:20	5

Client Sample ID: S-10 (3')

Lab Sample ID: 880-23052-58

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:26	12/31/22 17:12	1
Toluene	<0.00200	U *	0.00200		mg/Kg		12/29/22 13:26	12/31/22 17:12	1
Ethylbenzene	<0.00200	U *	0.00200		mg/Kg		12/29/22 13:26	12/31/22 17:12	1
m-Xylene & p-Xylene	<0.00401	U *	0.00401		mg/Kg		12/29/22 13:26	12/31/22 17:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:26	12/31/22 17:12	1
Xylenes, Total	<0.00401	U *	0.00401		mg/Kg		12/29/22 13:26	12/31/22 17:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	12/29/22 13:26	12/31/22 17:12	1
1,4-Difluorobenzene (Surr)	106		70 - 130	12/29/22 13:26	12/31/22 17:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			01/03/23 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/30/22 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		12/29/22 16:10	12/30/22 08:11	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-10 (3')

Lab Sample ID: 880-23052-58

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 16:10	12/30/22 08:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/29/22 16:10	12/30/22 08:11	1
Total TPH	<49.9	U	49.9		mg/Kg		12/29/22 16:10	12/30/22 08:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				12/29/22 16:10	12/30/22 08:11	1
o-Terphenyl	115		70 - 130				12/29/22 16:10	12/30/22 08:11	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1430		25.2		mg/Kg			12/31/22 12:28	5

Client Sample ID: S-10 (4')

Lab Sample ID: 880-23052-59

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:26	12/31/22 17:33	1
Toluene	<0.00199	U *	0.00199		mg/Kg		12/29/22 13:26	12/31/22 17:33	1
Ethylbenzene	<0.00199	U *	0.00199		mg/Kg		12/29/22 13:26	12/31/22 17:33	1
m-Xylene & p-Xylene	<0.00398	U *	0.00398		mg/Kg		12/29/22 13:26	12/31/22 17:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:26	12/31/22 17:33	1
Xylenes, Total	<0.00398	U *	0.00398		mg/Kg		12/29/22 13:26	12/31/22 17:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				12/29/22 13:26	12/31/22 17:33	1
1,4-Difluorobenzene (Surr)	112		70 - 130				12/29/22 13:26	12/31/22 17:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/03/23 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/30/22 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		12/29/22 16:10	12/30/22 08:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/29/22 16:10	12/30/22 08:33	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/29/22 16:10	12/30/22 08:33	1
Total TPH	<49.9	U	49.9		mg/Kg		12/29/22 16:10	12/30/22 08:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				12/29/22 16:10	12/30/22 08:33	1
o-Terphenyl	114		70 - 130				12/29/22 16:10	12/30/22 08:33	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-10 (4')

Lab Sample ID: 880-23052-59

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1480		25.3		mg/Kg			12/31/22 12:37	5

Client Sample ID: S-11 (0-1')

Lab Sample ID: 880-23052-60

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:26	12/31/22 17:54	1
Toluene	<0.00199	U *	0.00199		mg/Kg		12/29/22 13:26	12/31/22 17:54	1
Ethylbenzene	<0.00199	U *	0.00199		mg/Kg		12/29/22 13:26	12/31/22 17:54	1
m-Xylene & p-Xylene	<0.00398	U *	0.00398		mg/Kg		12/29/22 13:26	12/31/22 17:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:26	12/31/22 17:54	1
Xylenes, Total	<0.00398	U *	0.00398		mg/Kg		12/29/22 13:26	12/31/22 17:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	12/29/22 13:26	12/31/22 17:54	1
1,4-Difluorobenzene (Surr)	111		70 - 130	12/29/22 13:26	12/31/22 17:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/03/23 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/30/22 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		12/29/22 16:10	12/30/22 08:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/29/22 16:10	12/30/22 08:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/29/22 16:10	12/30/22 08:54	1
Total TPH	<50.0	U	50.0		mg/Kg		12/29/22 16:10	12/30/22 08:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130	12/29/22 16:10	12/30/22 08:54	1
o-Terphenyl	126		70 - 130	12/29/22 16:10	12/30/22 08:54	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8020		49.5		mg/Kg			12/31/22 12:46	10

Client Sample ID: S-11 (1.5')

Lab Sample ID: 880-23052-61

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:31	01/03/23 13:02	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/29/22 13:31	01/03/23 13:02	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-11 (1.5')

Lab Sample ID: 880-23052-61

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/29/22 13:31	01/03/23 13:02	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/29/22 13:31	01/03/23 13:02	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/29/22 13:31	01/03/23 13:02	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/29/22 13:31	01/03/23 13:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	277	S1+	70 - 130				12/29/22 13:31	01/03/23 13:02	1
1,4-Difluorobenzene (Surr)	72		70 - 130				12/29/22 13:31	01/03/23 13:02	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			01/04/23 09:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/03/23 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/30/22 08:19	12/30/22 12:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/30/22 08:19	12/30/22 12:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/30/22 08:19	12/30/22 12:48	1
Total TPH	<49.9	U	49.9		mg/Kg		12/30/22 08:19	12/30/22 12:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				12/30/22 08:19	12/30/22 12:48	1
o-Terphenyl	117		70 - 130				12/30/22 08:19	12/30/22 12:48	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6330		50.3		mg/Kg			12/31/22 13:12	10

Client Sample ID: S-11 (2')

Lab Sample ID: 880-23052-62

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:31	01/03/23 13:28	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/29/22 13:31	01/03/23 13:28	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/29/22 13:31	01/03/23 13:28	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/29/22 13:31	01/03/23 13:28	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/29/22 13:31	01/03/23 13:28	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/29/22 13:31	01/03/23 13:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	249	S1+	70 - 130				12/29/22 13:31	01/03/23 13:28	1
1,4-Difluorobenzene (Surr)	73		70 - 130				12/29/22 13:31	01/03/23 13:28	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-11 (2')

Lab Sample ID: 880-23052-62

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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			01/04/23 09:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/03/23 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/30/22 08:19	12/30/22 13:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/30/22 08:19	12/30/22 13:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/30/22 08:19	12/30/22 13:53	1
Total TPH	<49.9	U	49.9		mg/Kg		12/30/22 08:19	12/30/22 13:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	12/30/22 08:19	12/30/22 13:53	1
o-Terphenyl	116		70 - 130	12/30/22 08:19	12/30/22 13:53	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4800		50.1		mg/Kg			12/31/22 13:21	10

Client Sample ID: S-11 (3')

Lab Sample ID: 880-23052-63

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:31	01/03/23 13:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:31	01/03/23 13:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:31	01/03/23 13:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/29/22 13:31	01/03/23 13:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:31	01/03/23 13:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/29/22 13:31	01/03/23 13:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	313	S1+	70 - 130	12/29/22 13:31	01/03/23 13:54	1
1,4-Difluorobenzene (Surr)	76		70 - 130	12/29/22 13:31	01/03/23 13:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/04/23 09:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/03/23 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/30/22 08:19	12/30/22 14:15	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-11 (3')

Lab Sample ID: 880-23052-63

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/30/22 08:19	12/30/22 14:15	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/30/22 08:19	12/30/22 14:15	1
Total TPH	<49.9	U	49.9		mg/Kg		12/30/22 08:19	12/30/22 14:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				12/30/22 08:19	12/30/22 14:15	1
o-Terphenyl	114		70 - 130				12/30/22 08:19	12/30/22 14:15	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5610		50.0		mg/Kg			12/31/22 13:30	10

Client Sample ID: S-11 (4')

Lab Sample ID: 880-23052-64

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:31	01/03/23 14:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:31	01/03/23 14:20	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:31	01/03/23 14:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/29/22 13:31	01/03/23 14:20	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:31	01/03/23 14:20	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/29/22 13:31	01/03/23 14:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	291	S1+	70 - 130				12/29/22 13:31	01/03/23 14:20	1
1,4-Difluorobenzene (Surr)	73		70 - 130				12/29/22 13:31	01/03/23 14:20	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/04/23 09:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/03/23 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/30/22 08:19	12/30/22 14:37	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/30/22 08:19	12/30/22 14:37	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/30/22 08:19	12/30/22 14:37	1
Total TPH	<49.8	U	49.8		mg/Kg		12/30/22 08:19	12/30/22 14:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				12/30/22 08:19	12/30/22 14:37	1
o-Terphenyl	113		70 - 130				12/30/22 08:19	12/30/22 14:37	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-11 (4')

Lab Sample ID: 880-23052-64

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2290		24.8		mg/Kg			12/31/22 13:38	5

Client Sample ID: S-11 (5')

Lab Sample ID: 880-23052-65

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:31	01/03/23 14:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:31	01/03/23 14:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:31	01/03/23 14:46	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/29/22 13:31	01/03/23 14:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:31	01/03/23 14:46	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/29/22 13:31	01/03/23 14:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	269	S1+	70 - 130	12/29/22 13:31	01/03/23 14:46	1
1,4-Difluorobenzene (Surr)	74		70 - 130	12/29/22 13:31	01/03/23 14:46	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			01/04/23 09:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/03/23 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/30/22 08:19	12/30/22 14:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/30/22 08:19	12/30/22 14:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/30/22 08:19	12/30/22 14:59	1
Total TPH	<49.9	U	49.9		mg/Kg		12/30/22 08:19	12/30/22 14:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	12/30/22 08:19	12/30/22 14:59	1
o-Terphenyl	117		70 - 130	12/30/22 08:19	12/30/22 14:59	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	391		4.96		mg/Kg			12/31/22 13:47	1

Client Sample ID: S-12 (0-1')

Lab Sample ID: 880-23052-66

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:31	01/03/23 15:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:31	01/03/23 15:12	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-12 (0-1')

Lab Sample ID: 880-23052-66

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:31	01/03/23 15:12	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/29/22 13:31	01/03/23 15:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:31	01/03/23 15:12	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/29/22 13:31	01/03/23 15:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	251	S1+	70 - 130				12/29/22 13:31	01/03/23 15:12	1
1,4-Difluorobenzene (Surr)	67	S1-	70 - 130				12/29/22 13:31	01/03/23 15:12	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			01/04/23 09:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/03/23 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/30/22 08:19	12/30/22 15:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/30/22 08:19	12/30/22 15:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/30/22 08:19	12/30/22 15:22	1
Total TPH	<50.0	U	50.0		mg/Kg		12/30/22 08:19	12/30/22 15:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				12/30/22 08:19	12/30/22 15:22	1
o-Terphenyl	121		70 - 130				12/30/22 08:19	12/30/22 15:22	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1040		4.95		mg/Kg			12/31/22 13:56	1

Client Sample ID: S-13 (0-1')

Lab Sample ID: 880-23052-67

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:31	01/03/23 15:38	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/29/22 13:31	01/03/23 15:38	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/29/22 13:31	01/03/23 15:38	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/29/22 13:31	01/03/23 15:38	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/29/22 13:31	01/03/23 15:38	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/29/22 13:31	01/03/23 15:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	292	S1+	70 - 130				12/29/22 13:31	01/03/23 15:38	1
1,4-Difluorobenzene (Surr)	76		70 - 130				12/29/22 13:31	01/03/23 15:38	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-13 (0-1')

Lab Sample ID: 880-23052-67

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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			01/04/23 09:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/03/23 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/30/22 08:19	12/30/22 15:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/30/22 08:19	12/30/22 15:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/30/22 08:19	12/30/22 15:44	1
Total TPH	<50.0	U	50.0		mg/Kg		12/30/22 08:19	12/30/22 15:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130	12/30/22 08:19	12/30/22 15:44	1
o-Terphenyl	92		70 - 130	12/30/22 08:19	12/30/22 15:44	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5870		50.5		mg/Kg			12/31/22 14:22	10

Client Sample ID: S-13 (1.5')

Lab Sample ID: 880-23052-68

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:31	01/03/23 16:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:31	01/03/23 16:04	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:31	01/03/23 16:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/29/22 13:31	01/03/23 16:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:31	01/03/23 16:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/29/22 13:31	01/03/23 16:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	293	S1+	70 - 130	12/29/22 13:31	01/03/23 16:04	1
1,4-Difluorobenzene (Surr)	70		70 - 130	12/29/22 13:31	01/03/23 16:04	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			01/04/23 09:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/03/23 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/30/22 08:19	12/30/22 16:49	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-13 (1.5')

Lab Sample ID: 880-23052-68

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/30/22 08:19	12/30/22 16:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/30/22 08:19	12/30/22 16:49	1
Total TPH	<50.0	U	50.0		mg/Kg		12/30/22 08:19	12/30/22 16:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				12/30/22 08:19	12/30/22 16:49	1
o-Terphenyl	113		70 - 130				12/30/22 08:19	12/30/22 16:49	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1670		25.2		mg/Kg			12/31/22 14:31	5

Client Sample ID: S-13 (2')

Lab Sample ID: 880-23052-69

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:31	01/03/23 16:30	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/29/22 13:31	01/03/23 16:30	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/29/22 13:31	01/03/23 16:30	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/29/22 13:31	01/03/23 16:30	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/29/22 13:31	01/03/23 16:30	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/29/22 13:31	01/03/23 16:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	288	S1+	70 - 130				12/29/22 13:31	01/03/23 16:30	1
1,4-Difluorobenzene (Surr)	74		70 - 130				12/29/22 13:31	01/03/23 16:30	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			01/04/23 09:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/03/23 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/30/22 08:19	12/30/22 17:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/30/22 08:19	12/30/22 17:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/30/22 08:19	12/30/22 17:10	1
Total TPH	<50.0	U	50.0		mg/Kg		12/30/22 08:19	12/30/22 17:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				12/30/22 08:19	12/30/22 17:10	1
o-Terphenyl	122		70 - 130				12/30/22 08:19	12/30/22 17:10	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-13 (2')

Lab Sample ID: 880-23052-69

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1360		25.1		mg/Kg			12/31/22 14:57	5

Client Sample ID: S-13 (3')

Lab Sample ID: 880-23052-70

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:31	01/03/23 16:56	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:31	01/03/23 16:56	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:31	01/03/23 16:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/29/22 13:31	01/03/23 16:56	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:31	01/03/23 16:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/29/22 13:31	01/03/23 16:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	271	S1+	70 - 130	12/29/22 13:31	01/03/23 16:56	1
1,4-Difluorobenzene (Surr)	72		70 - 130	12/29/22 13:31	01/03/23 16:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/04/23 09:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/03/23 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/30/22 08:19	12/30/22 17:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/30/22 08:19	12/30/22 17:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/30/22 08:19	12/30/22 17:37	1
Total TPH	<50.0	U	50.0		mg/Kg		12/30/22 08:19	12/30/22 17:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	12/30/22 08:19	12/30/22 17:37	1
o-Terphenyl	120		70 - 130	12/30/22 08:19	12/30/22 17:37	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	783		5.01		mg/Kg			12/31/22 15:05	1

Client Sample ID: S-13 (4')

Lab Sample ID: 880-23052-71

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:31	01/03/23 18:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:31	01/03/23 18:39	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-13 (4')

Lab Sample ID: 880-23052-71

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:31	01/03/23 18:39	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/29/22 13:31	01/03/23 18:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:31	01/03/23 18:39	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/29/22 13:31	01/03/23 18:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	257	S1+	70 - 130				12/29/22 13:31	01/03/23 18:39	1
1,4-Difluorobenzene (Surr)	71		70 - 130				12/29/22 13:31	01/03/23 18:39	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			01/04/23 09:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/03/23 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/30/22 08:19	12/30/22 18:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/30/22 08:19	12/30/22 18:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/30/22 08:19	12/30/22 18:21	1
Total TPH	<50.0	U	50.0		mg/Kg		12/30/22 08:19	12/30/22 18:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				12/30/22 08:19	12/30/22 18:21	1
o-Terphenyl	118		70 - 130				12/30/22 08:19	12/30/22 18:21	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	252		5.02		mg/Kg			12/31/22 15:14	1

Client Sample ID: S-14 (0-1')

Lab Sample ID: 880-23052-72

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:31	01/03/23 19:05	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/29/22 13:31	01/03/23 19:05	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/29/22 13:31	01/03/23 19:05	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/29/22 13:31	01/03/23 19:05	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/29/22 13:31	01/03/23 19:05	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/29/22 13:31	01/03/23 19:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	300	S1+	70 - 130				12/29/22 13:31	01/03/23 19:05	1
1,4-Difluorobenzene (Surr)	70		70 - 130				12/29/22 13:31	01/03/23 19:05	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-14 (0-1')

Lab Sample ID: 880-23052-72

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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			01/04/23 09:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/03/23 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/30/22 08:19	12/30/22 18:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/30/22 08:19	12/30/22 18:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/30/22 08:19	12/30/22 18:43	1
Total TPH	<49.9	U	49.9		mg/Kg		12/30/22 08:19	12/30/22 18:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	12/30/22 08:19	12/30/22 18:43	1
o-Terphenyl	113		70 - 130	12/30/22 08:19	12/30/22 18:43	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2530		25.0		mg/Kg			12/31/22 15:23	5

Client Sample ID: S-14 (1.5')

Lab Sample ID: 880-23052-73

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:31	01/03/23 19:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:31	01/03/23 19:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:31	01/03/23 19:31	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/29/22 13:31	01/03/23 19:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:31	01/03/23 19:31	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/29/22 13:31	01/03/23 19:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	280	S1+	70 - 130	12/29/22 13:31	01/03/23 19:31	1
1,4-Difluorobenzene (Surr)	74		70 - 130	12/29/22 13:31	01/03/23 19:31	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			01/04/23 09:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/03/23 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/30/22 08:19	12/30/22 19:06	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-14 (1.5')

Lab Sample ID: 880-23052-73

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/30/22 08:19	12/30/22 19:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/30/22 08:19	12/30/22 19:06	1
Total TPH	<50.0	U	50.0		mg/Kg		12/30/22 08:19	12/30/22 19:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				12/30/22 08:19	12/30/22 19:06	1
o-Terphenyl	121		70 - 130				12/30/22 08:19	12/30/22 19:06	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2730		24.9		mg/Kg			12/31/22 15:32	5

Client Sample ID: S-14 (2')

Lab Sample ID: 880-23052-74

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:31	01/03/23 19:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:31	01/03/23 19:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:31	01/03/23 19:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/29/22 13:31	01/03/23 19:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:31	01/03/23 19:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/29/22 13:31	01/03/23 19:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	315	S1+	70 - 130				12/29/22 13:31	01/03/23 19:57	1
1,4-Difluorobenzene (Surr)	73		70 - 130				12/29/22 13:31	01/03/23 19:57	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/04/23 09:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/03/23 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/30/22 08:19	12/30/22 19:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/30/22 08:19	12/30/22 19:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/30/22 08:19	12/30/22 19:28	1
Total TPH	<50.0	U	50.0		mg/Kg		12/30/22 08:19	12/30/22 19:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130				12/30/22 08:19	12/30/22 19:28	1
o-Terphenyl	134	S1+	70 - 130				12/30/22 08:19	12/30/22 19:28	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-14 (2')

Lab Sample ID: 880-23052-74

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2830		25.0		mg/Kg			12/31/22 15:40	5

Client Sample ID: S-14 (3')

Lab Sample ID: 880-23052-75

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:31	01/03/23 20:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:31	01/03/23 20:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:31	01/03/23 20:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/29/22 13:31	01/03/23 20:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:31	01/03/23 20:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/29/22 13:31	01/03/23 20:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	280	S1+	70 - 130	12/29/22 13:31	01/03/23 20:23	1
1,4-Difluorobenzene (Surr)	74		70 - 130	12/29/22 13:31	01/03/23 20:23	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			01/04/23 09:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/03/23 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/30/22 08:19	12/30/22 19:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/30/22 08:19	12/30/22 19:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/30/22 08:19	12/30/22 19:51	1
Total TPH	<49.9	U	49.9		mg/Kg		12/30/22 08:19	12/30/22 19:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	12/30/22 08:19	12/30/22 19:51	1
o-Terphenyl	119		70 - 130	12/30/22 08:19	12/30/22 19:51	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1720		25.2		mg/Kg			12/31/22 15:49	5

Client Sample ID: S-15 (0-1')

Lab Sample ID: 880-23052-76

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:31	01/03/23 20:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:31	01/03/23 20:49	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-15 (0-1')

Lab Sample ID: 880-23052-76

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:31	01/03/23 20:49	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/29/22 13:31	01/03/23 20:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:31	01/03/23 20:49	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/29/22 13:31	01/03/23 20:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	258	S1+	70 - 130				12/29/22 13:31	01/03/23 20:49	1
1,4-Difluorobenzene (Surr)	79		70 - 130				12/29/22 13:31	01/03/23 20:49	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			01/04/23 09:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/03/23 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/30/22 08:19	12/30/22 20:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/30/22 08:19	12/30/22 20:15	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/30/22 08:19	12/30/22 20:15	1
Total TPH	<49.9	U	49.9		mg/Kg		12/30/22 08:19	12/30/22 20:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				12/30/22 08:19	12/30/22 20:15	1
o-Terphenyl	107		70 - 130				12/30/22 08:19	12/30/22 20:15	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3040	F1	25.2		mg/Kg			12/30/22 21:36	5

Client Sample ID: S-15 (1.5')

Lab Sample ID: 880-23052-77

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:31	01/03/23 21:15	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/29/22 13:31	01/03/23 21:15	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/29/22 13:31	01/03/23 21:15	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/29/22 13:31	01/03/23 21:15	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/29/22 13:31	01/03/23 21:15	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/29/22 13:31	01/03/23 21:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	265	S1+	70 - 130				12/29/22 13:31	01/03/23 21:15	1
1,4-Difluorobenzene (Surr)	76		70 - 130				12/29/22 13:31	01/03/23 21:15	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-15 (1.5')

Lab Sample ID: 880-23052-77

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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			01/04/23 09:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/03/23 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/30/22 08:19	12/30/22 20:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/30/22 08:19	12/30/22 20:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/30/22 08:19	12/30/22 20:39	1
Total TPH	<50.0	U	50.0		mg/Kg		12/30/22 08:19	12/30/22 20:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	12/30/22 08:19	12/30/22 20:39	1
o-Terphenyl	109		70 - 130	12/30/22 08:19	12/30/22 20:39	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5490		49.7		mg/Kg			12/30/22 21:50	10

Client Sample ID: S-15 (2')

Lab Sample ID: 880-23052-78

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:31	01/03/23 21:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:31	01/03/23 21:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:31	01/03/23 21:42	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/29/22 13:31	01/03/23 21:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:31	01/03/23 21:42	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/29/22 13:31	01/03/23 21:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	260	S1+	70 - 130	12/29/22 13:31	01/03/23 21:42	1
1,4-Difluorobenzene (Surr)	78		70 - 130	12/29/22 13:31	01/03/23 21:42	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			01/04/23 09:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/03/23 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/30/22 08:19	12/30/22 21:03	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-15 (2')

Lab Sample ID: 880-23052-78

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/30/22 08:19	12/30/22 21:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/30/22 08:19	12/30/22 21:03	1
Total TPH	<49.9	U	49.9		mg/Kg		12/30/22 08:19	12/30/22 21:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				12/30/22 08:19	12/30/22 21:03	1
o-Terphenyl	105		70 - 130				12/30/22 08:19	12/30/22 21:03	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4530		24.9		mg/Kg			12/30/22 21:55	5

Client Sample ID: S-15 (3')

Lab Sample ID: 880-23052-79

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:31	01/03/23 22:08	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/29/22 13:31	01/03/23 22:08	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/29/22 13:31	01/03/23 22:08	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/29/22 13:31	01/03/23 22:08	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/29/22 13:31	01/03/23 22:08	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/29/22 13:31	01/03/23 22:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	335	S1+	70 - 130				12/29/22 13:31	01/03/23 22:08	1
1,4-Difluorobenzene (Surr)	74		70 - 130				12/29/22 13:31	01/03/23 22:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			01/04/23 09:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/03/23 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/30/22 08:19	12/30/22 21:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/30/22 08:19	12/30/22 21:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/30/22 08:19	12/30/22 21:27	1
Total TPH	<49.9	U	49.9		mg/Kg		12/30/22 08:19	12/30/22 21:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				12/30/22 08:19	12/30/22 21:27	1
o-Terphenyl	109		70 - 130				12/30/22 08:19	12/30/22 21:27	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-15 (3')

Lab Sample ID: 880-23052-79

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2490		24.9		mg/Kg			12/30/22 21:59	5

Client Sample ID: S-15 (4')

Lab Sample ID: 880-23052-80

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:31	01/03/23 22:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:31	01/03/23 22:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:31	01/03/23 22:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/29/22 13:31	01/03/23 22:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:31	01/03/23 22:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/29/22 13:31	01/03/23 22:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	287	S1+	70 - 130	12/29/22 13:31	01/03/23 22:35	1
1,4-Difluorobenzene (Surr)	71		70 - 130	12/29/22 13:31	01/03/23 22:35	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			01/04/23 09:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/03/23 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/30/22 08:19	12/30/22 21:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/30/22 08:19	12/30/22 21:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/30/22 08:19	12/30/22 21:51	1
Total TPH	<50.0	U	50.0		mg/Kg		12/30/22 08:19	12/30/22 21:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	12/30/22 08:19	12/30/22 21:51	1
o-Terphenyl	110		70 - 130	12/30/22 08:19	12/30/22 21:51	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3880		24.9		mg/Kg			12/30/22 22:04	5

Client Sample ID: S-16 (0-1')

Lab Sample ID: 880-23052-81

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U F1	0.00202		mg/Kg		12/29/22 13:35	12/31/22 13:47	1
Toluene	<0.00202	U F1	0.00202		mg/Kg		12/29/22 13:35	12/31/22 13:47	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-16 (0-1')

Lab Sample ID: 880-23052-81

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00202	U F1	0.00202		mg/Kg		12/29/22 13:35	12/31/22 13:47	1
m-Xylene & p-Xylene	<0.00403	U F1	0.00403		mg/Kg		12/29/22 13:35	12/31/22 13:47	1
o-Xylene	<0.00202	U F1	0.00202		mg/Kg		12/29/22 13:35	12/31/22 13:47	1
Xylenes, Total	<0.00403	U F1	0.00403		mg/Kg		12/29/22 13:35	12/31/22 13:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				12/29/22 13:35	12/31/22 13:47	1
1,4-Difluorobenzene (Surr)	109		70 - 130				12/29/22 13:35	12/31/22 13:47	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			01/03/23 09:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/03/23 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/30/22 15:02	12/31/22 01:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/30/22 15:02	12/31/22 01:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/30/22 15:02	12/31/22 01:24	1
Total TPH	<49.9	U	49.9		mg/Kg		12/30/22 15:02	12/31/22 01:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130				12/30/22 15:02	12/31/22 01:24	1
o-Terphenyl	114		70 - 130				12/30/22 15:02	12/31/22 01:24	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2480		24.8		mg/Kg			12/30/22 22:18	5

Client Sample ID: S-16 (1.5')

Lab Sample ID: 880-23052-82

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:35	12/31/22 14:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:35	12/31/22 14:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:35	12/31/22 14:08	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/29/22 13:35	12/31/22 14:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:35	12/31/22 14:08	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/29/22 13:35	12/31/22 14:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				12/29/22 13:35	12/31/22 14:08	1
1,4-Difluorobenzene (Surr)	108		70 - 130				12/29/22 13:35	12/31/22 14:08	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-16 (1.5')

Lab Sample ID: 880-23052-82

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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			01/03/23 09:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/03/23 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/30/22 15:02	12/31/22 02:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/30/22 15:02	12/31/22 02:35	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/30/22 15:02	12/31/22 02:35	1
Total TPH	<49.9	U	49.9		mg/Kg		12/30/22 15:02	12/31/22 02:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	12/30/22 15:02	12/31/22 02:35	1
o-Terphenyl	93		70 - 130	12/30/22 15:02	12/31/22 02:35	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	616		5.04		mg/Kg			12/30/22 22:23	1

Client Sample ID: S-16 (2')

Lab Sample ID: 880-23052-83

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:35	12/31/22 14:29	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/29/22 13:35	12/31/22 14:29	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/29/22 13:35	12/31/22 14:29	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/29/22 13:35	12/31/22 14:29	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/29/22 13:35	12/31/22 14:29	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/29/22 13:35	12/31/22 14:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	12/29/22 13:35	12/31/22 14:29	1
1,4-Difluorobenzene (Surr)	105		70 - 130	12/29/22 13:35	12/31/22 14:29	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			01/03/23 09:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/03/23 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/30/22 15:02	12/31/22 02:59	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-16 (2')

Lab Sample ID: 880-23052-83

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/30/22 15:02	12/31/22 02:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/30/22 15:02	12/31/22 02:59	1
Total TPH	<49.9	U	49.9		mg/Kg		12/30/22 15:02	12/31/22 02:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				12/30/22 15:02	12/31/22 02:59	1
o-Terphenyl	77		70 - 130				12/30/22 15:02	12/31/22 02:59	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	852		5.03		mg/Kg			12/30/22 22:28	1

Client Sample ID: S-16 (3')

Lab Sample ID: 880-23052-84

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:35	12/31/22 14:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:35	12/31/22 14:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:35	12/31/22 14:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/29/22 13:35	12/31/22 14:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:35	12/31/22 14:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/29/22 13:35	12/31/22 14:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				12/29/22 13:35	12/31/22 14:49	1
1,4-Difluorobenzene (Surr)	108		70 - 130				12/29/22 13:35	12/31/22 14:49	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			01/03/23 09:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/03/23 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/30/22 15:02	12/31/22 03:23	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/30/22 15:02	12/31/22 03:23	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/30/22 15:02	12/31/22 03:23	1
Total TPH	<49.8	U	49.8		mg/Kg		12/30/22 15:02	12/31/22 03:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				12/30/22 15:02	12/31/22 03:23	1
o-Terphenyl	78		70 - 130				12/30/22 15:02	12/31/22 03:23	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-16 (3')

Lab Sample ID: 880-23052-84

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4120		24.9		mg/Kg			12/30/22 22:33	5

Client Sample ID: S-16 (4')

Lab Sample ID: 880-23052-85

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:35	12/31/22 15:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:35	12/31/22 15:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:35	12/31/22 15:10	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/29/22 13:35	12/31/22 15:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:35	12/31/22 15:10	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/29/22 13:35	12/31/22 15:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	12/29/22 13:35	12/31/22 15:10	1
1,4-Difluorobenzene (Surr)	112		70 - 130	12/29/22 13:35	12/31/22 15:10	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			01/03/23 09:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/03/23 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/30/22 15:02	12/31/22 03:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/30/22 15:02	12/31/22 03:46	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/30/22 15:02	12/31/22 03:46	1
Total TPH	<49.9	U	49.9		mg/Kg		12/30/22 15:02	12/31/22 03:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130	12/30/22 15:02	12/31/22 03:46	1
o-Terphenyl	102		70 - 130	12/30/22 15:02	12/31/22 03:46	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6170		49.9		mg/Kg			12/30/22 22:37	10

Client Sample ID: S-16 (5')

Lab Sample ID: 880-23052-86

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:35	12/31/22 15:31	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/29/22 13:35	12/31/22 15:31	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-16 (5')

Lab Sample ID: 880-23052-86

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/29/22 13:35	12/31/22 15:31	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/29/22 13:35	12/31/22 15:31	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/29/22 13:35	12/31/22 15:31	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/29/22 13:35	12/31/22 15:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				12/29/22 13:35	12/31/22 15:31	1
1,4-Difluorobenzene (Surr)	110		70 - 130				12/29/22 13:35	12/31/22 15:31	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			01/03/23 09:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/03/23 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/30/22 15:02	12/31/22 04:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/30/22 15:02	12/31/22 04:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/30/22 15:02	12/31/22 04:10	1
Total TPH	<50.0	U	50.0		mg/Kg		12/30/22 15:02	12/31/22 04:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				12/30/22 15:02	12/31/22 04:10	1
o-Terphenyl	92		70 - 130				12/30/22 15:02	12/31/22 04:10	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10700	F1	99.6		mg/Kg			12/30/22 22:42	20

Client Sample ID: S-17 (0-1')

Lab Sample ID: 880-23052-87

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:35	12/31/22 15:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:35	12/31/22 15:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:35	12/31/22 15:51	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/29/22 13:35	12/31/22 15:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:35	12/31/22 15:51	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/29/22 13:35	12/31/22 15:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				12/29/22 13:35	12/31/22 15:51	1
1,4-Difluorobenzene (Surr)	110		70 - 130				12/29/22 13:35	12/31/22 15:51	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-17 (0-1')

Lab Sample ID: 880-23052-87

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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			01/03/23 09:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/03/23 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/30/22 15:02	12/31/22 04:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/30/22 15:02	12/31/22 04:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/30/22 15:02	12/31/22 04:32	1
Total TPH	<50.0	U	50.0		mg/Kg		12/30/22 15:02	12/31/22 04:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130	12/30/22 15:02	12/31/22 04:32	1
o-Terphenyl	116		70 - 130	12/30/22 15:02	12/31/22 04:32	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3680		24.9		mg/Kg			12/30/22 22:56	5

Client Sample ID: S-17 (1.5')

Lab Sample ID: 880-23052-88

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:35	12/31/22 16:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:35	12/31/22 16:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:35	12/31/22 16:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/29/22 13:35	12/31/22 16:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:35	12/31/22 16:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/29/22 13:35	12/31/22 16:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	12/29/22 13:35	12/31/22 16:12	1
1,4-Difluorobenzene (Surr)	111		70 - 130	12/29/22 13:35	12/31/22 16:12	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			01/03/23 09:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/03/23 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/30/22 15:02	12/31/22 04:55	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-17 (1.5')

Lab Sample ID: 880-23052-88

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/30/22 15:02	12/31/22 04:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/30/22 15:02	12/31/22 04:55	1
Total TPH	<50.0	U	50.0		mg/Kg		12/30/22 15:02	12/31/22 04:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				12/30/22 15:02	12/31/22 04:55	1
o-Terphenyl	98		70 - 130				12/30/22 15:02	12/31/22 04:55	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2100		24.8		mg/Kg			12/30/22 23:01	5

Client Sample ID: S-17 (2')

Lab Sample ID: 880-23052-89

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:35	12/31/22 16:32	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/29/22 13:35	12/31/22 16:32	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/29/22 13:35	12/31/22 16:32	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/29/22 13:35	12/31/22 16:32	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/29/22 13:35	12/31/22 16:32	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/29/22 13:35	12/31/22 16:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				12/29/22 13:35	12/31/22 16:32	1
1,4-Difluorobenzene (Surr)	112		70 - 130				12/29/22 13:35	12/31/22 16:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			01/03/23 09:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/03/23 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/30/22 15:02	12/31/22 05:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/30/22 15:02	12/31/22 05:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/30/22 15:02	12/31/22 05:14	1
Total TPH	<50.0	U	50.0		mg/Kg		12/30/22 15:02	12/31/22 05:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	5	S1-	70 - 130				12/30/22 15:02	12/31/22 05:14	1
o-Terphenyl	7	S1-	70 - 130				12/30/22 15:02	12/31/22 05:14	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-17 (2')

Lab Sample ID: 880-23052-89

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1100		24.9		mg/Kg			12/30/22 23:15	5

Client Sample ID: S-17 (3')

Lab Sample ID: 880-23052-90

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:35	12/31/22 16:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:35	12/31/22 16:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:35	12/31/22 16:53	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/29/22 13:35	12/31/22 16:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:35	12/31/22 16:53	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/29/22 13:35	12/31/22 16:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				12/29/22 13:35	12/31/22 16:53	1
1,4-Difluorobenzene (Surr)	112		70 - 130				12/29/22 13:35	12/31/22 16:53	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			01/03/23 09:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/03/23 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/30/22 15:02	12/31/22 06:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/30/22 15:02	12/31/22 06:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/30/22 15:02	12/31/22 06:22	1
Total TPH	<50.0	U	50.0		mg/Kg		12/30/22 15:02	12/31/22 06:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				12/30/22 15:02	12/31/22 06:22	1
o-Terphenyl	99		70 - 130				12/30/22 15:02	12/31/22 06:22	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1380		25.2		mg/Kg			12/30/22 23:20	5

Client Sample ID: S-17 (4')

Lab Sample ID: 880-23052-91

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:35	12/31/22 18:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:35	12/31/22 18:43	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-17 (4')

Lab Sample ID: 880-23052-91

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:35	12/31/22 18:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/29/22 13:35	12/31/22 18:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:35	12/31/22 18:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/29/22 13:35	12/31/22 18:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				12/29/22 13:35	12/31/22 18:43	1
1,4-Difluorobenzene (Surr)	111		70 - 130				12/29/22 13:35	12/31/22 18:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/03/23 09:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/03/23 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/30/22 15:02	12/31/22 07:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/30/22 15:02	12/31/22 07:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/30/22 15:02	12/31/22 07:06	1
Total TPH	<50.0	U	50.0		mg/Kg		12/30/22 15:02	12/31/22 07:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				12/30/22 15:02	12/31/22 07:06	1
o-Terphenyl	112		70 - 130				12/30/22 15:02	12/31/22 07:06	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4880		50.5		mg/Kg			12/30/22 23:24	10

Client Sample ID: S-18 (0-1')

Lab Sample ID: 880-23052-92

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:35	12/31/22 19:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:35	12/31/22 19:04	1
Ethylbenzene	0.00518		0.00200		mg/Kg		12/29/22 13:35	12/31/22 19:04	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/29/22 13:35	12/31/22 19:04	1
o-Xylene	0.00365		0.00200		mg/Kg		12/29/22 13:35	12/31/22 19:04	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/29/22 13:35	12/31/22 19:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				12/29/22 13:35	12/31/22 19:04	1
1,4-Difluorobenzene (Surr)	102		70 - 130				12/29/22 13:35	12/31/22 19:04	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-18 (0-1')

Lab Sample ID: 880-23052-92

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00883		0.00399		mg/Kg			01/03/23 09:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	388		49.9		mg/Kg			01/03/23 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/30/22 15:02	12/31/22 07:29	1
Diesel Range Organics (Over C10-C28)	388		49.9		mg/Kg		12/30/22 15:02	12/31/22 07:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/30/22 15:02	12/31/22 07:29	1
Total TPH	388		49.9		mg/Kg		12/30/22 15:02	12/31/22 07:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				12/30/22 15:02	12/31/22 07:29	1
o-Terphenyl	93		70 - 130				12/30/22 15:02	12/31/22 07:29	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1880		24.8		mg/Kg			12/30/22 23:29	5

Client Sample ID: S-18 (1.5')

Lab Sample ID: 880-23052-93

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:35	12/31/22 19:25	1
Toluene	0.00506		0.00201		mg/Kg		12/29/22 13:35	12/31/22 19:25	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/29/22 13:35	12/31/22 19:25	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/29/22 13:35	12/31/22 19:25	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/29/22 13:35	12/31/22 19:25	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/29/22 13:35	12/31/22 19:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				12/29/22 13:35	12/31/22 19:25	1
1,4-Difluorobenzene (Surr)	105		70 - 130				12/29/22 13:35	12/31/22 19:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00506		0.00402		mg/Kg			01/03/23 09:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/03/23 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/30/22 15:02	12/31/22 07:52	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-18 (1.5')

Lab Sample ID: 880-23052-93

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/30/22 15:02	12/31/22 07:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/30/22 15:02	12/31/22 07:52	1
Total TPH	<50.0	U	50.0		mg/Kg		12/30/22 15:02	12/31/22 07:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				12/30/22 15:02	12/31/22 07:52	1
o-Terphenyl	100		70 - 130				12/30/22 15:02	12/31/22 07:52	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	123		4.99		mg/Kg			12/30/22 23:34	1

Client Sample ID: S-18 (2')

Lab Sample ID: 880-23052-94

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:35	12/31/22 19:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:35	12/31/22 19:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:35	12/31/22 19:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/29/22 13:35	12/31/22 19:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:35	12/31/22 19:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/29/22 13:35	12/31/22 19:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				12/29/22 13:35	12/31/22 19:45	1
1,4-Difluorobenzene (Surr)	111		70 - 130				12/29/22 13:35	12/31/22 19:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/03/23 09:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/03/23 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/30/22 15:02	12/31/22 08:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/30/22 15:02	12/31/22 08:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/30/22 15:02	12/31/22 08:14	1
Total TPH	<50.0	U	50.0		mg/Kg		12/30/22 15:02	12/31/22 08:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				12/30/22 15:02	12/31/22 08:14	1
o-Terphenyl	91		70 - 130				12/30/22 15:02	12/31/22 08:14	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-18 (2')

Lab Sample ID: 880-23052-94

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	133		4.97		mg/Kg			12/30/22 23:38	1

Client Sample ID: S-18 (3')

Lab Sample ID: 880-23052-95

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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		12/29/22 13:35	12/31/22 20:06	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/29/22 13:35	12/31/22 20:06	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/29/22 13:35	12/31/22 20:06	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/29/22 13:35	12/31/22 20:06	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/29/22 13:35	12/31/22 20:06	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/29/22 13:35	12/31/22 20:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				12/29/22 13:35	12/31/22 20:06	1
1,4-Difluorobenzene (Surr)	110		70 - 130				12/29/22 13:35	12/31/22 20:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			01/03/23 09:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/03/23 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/30/22 15:02	12/31/22 08:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/30/22 15:02	12/31/22 08:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/30/22 15:02	12/31/22 08:37	1
Total TPH	<50.0	U	50.0		mg/Kg		12/30/22 15:02	12/31/22 08:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				12/30/22 15:02	12/31/22 08:37	1
o-Terphenyl	87		70 - 130				12/30/22 15:02	12/31/22 08:37	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.3		0.253		mg/Kg			12/30/22 23:43	5

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Surrogate Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
880-23052-1	S-1 (0-0.25')	95	110
880-23052-1 MS	S-1 (0-0.25')	102	109
880-23052-1 MSD	S-1 (0-0.25')	94	109
880-23052-2	S-1 (0.5')	102	111
880-23052-3	S-1 (1')	106	111
880-23052-4	S-1 (1.5')	102	111
880-23052-5	S-1 (2')	101	109
880-23052-6	S-1 (3')	113	109
880-23052-7	S-1 (4')	106	107
880-23052-8	S-2 (0-0.25')	110	111
880-23052-9	S-2 (0.5')	107	109
880-23052-10	S-2 (1')	107	111
880-23052-11	S-2 (1.5')	115	104
880-23052-12	S-2 (2')	105	112
880-23052-13	S-2 (3')	113	104
880-23052-14	S- (4')	111	106
880-23052-15	S-3 (0-0.25')	100	109
880-23052-16	S-3 (0.5')	109	114
880-23052-17	S-3 (1')	101	109
880-23052-18	S-3 (1.5')	107	105
880-23052-19	S-3 (2')	107	110
880-23052-20	S-4 (0-0.25')	108	112
880-23052-21	S-4 (0.5')	230 S1+	64 S1-
880-23052-21 MS	S-4 (0.5')	226 S1+	74
880-23052-21 MSD	S-4 (0.5')	221 S1+	74
880-23052-22	S-4 (1')	232 S1+	71
880-23052-23	S-4 (1.5')	227 S1+	70
880-23052-24	S-4 (2')	202 S1+	76
880-23052-25	S-5 (0-0.25')	227 S1+	73
880-23052-26	S-5 (0.5')	210 S1+	62 S1-
880-23052-27	S-5 (1')	228 S1+	75
880-23052-28	S-5 (1.5')	228 S1+	73
880-23052-29	S-5 (2')	242 S1+	72
880-23052-30	S-5 (3')	242 S1+	67 S1-
880-23052-31	S-5 (4')	253 S1+	72
880-23052-32	S-5 (5')	233 S1+	67 S1-
880-23052-33	S-6 (0-0.25')	256 S1+	70
880-23052-34	S-6 (0.5')	251 S1+	62 S1-
880-23052-35	S-7 (0-0.25')	299 S1+	92
880-23052-36	S-7 (0.5')	275 S1+	74
880-23052-37	S-7 (1')	279 S1+	75
880-23052-38	S-7 (1.5')	264 S1+	63 S1-
880-23052-39	S-7 (2')	255 S1+	70
880-23052-40	S-7 (3')	240 S1+	76
880-23052-41	S-7 (4')	109	104
880-23052-41 MS	S-7 (4')	97	100
880-23052-41 MSD	S-7 (4')	98	100
880-23052-42	S-7 (5')	112	105
880-23052-43	S-8 (0-1')	106	106

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-23052-1

Project/Site: Vaca Draw Federal SWD (12.09.22)

SDG: Lea Co, NM

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)
880-23052-44	S-8 (1.5')	108	107
880-23052-45	S-8 (2')	113	111
880-23052-46	S-8 (3')	115	110
880-23052-47	S-8 (4')	116	109
880-23052-48	S-8 (5')	111	110
880-23052-49	S-9 (0-1')	108	111
880-23052-50	S-9 (1.5')	114	109
880-23052-51	S-9 (2')	104	105
880-23052-52	S-9 (3')	110	108
880-23052-53	S-9 (4')	113	108
880-23052-54	S-9 (5')	114	107
880-23052-55	S-10 (0-1')	109	108
880-23052-56	S-10 (1.5')	118	103
880-23052-57	S-10 (2')	119	110
880-23052-58	S-10 (3')	107	106
880-23052-59	S-10 (4')	113	112
880-23052-60	S-11 (0-1')	109	111
880-23052-61	S-11 (1.5')	277 S1+	72
880-23052-61 MS	S-11 (1.5')	246 S1+	78
880-23052-61 MSD	S-11 (1.5')	279 S1+	79
880-23052-62	S-11 (2')	249 S1+	73
880-23052-63	S-11 (3')	313 S1+	76
880-23052-64	S-11 (4')	291 S1+	73
880-23052-65	S-11 (5')	269 S1+	74
880-23052-66	S-12 (0-1')	251 S1+	67 S1-
880-23052-67	S-13 (0-1')	292 S1+	76
880-23052-68	S-13 (1.5')	293 S1+	70
880-23052-69	S-13 (2')	288 S1+	74
880-23052-70	S-13 (3')	271 S1+	72
880-23052-71	S-13 (4')	257 S1+	71
880-23052-72	S-14 (0-1')	300 S1+	70
880-23052-73	S-14 (1.5')	280 S1+	74
880-23052-74	S-14 (2')	315 S1+	73
880-23052-75	S-14 (3')	280 S1+	74
880-23052-76	S-15 (0-1')	258 S1+	79
880-23052-77	S-15 (1.5')	265 S1+	76
880-23052-78	S-15 (2')	260 S1+	78
880-23052-79	S-15 (3')	335 S1+	74
880-23052-80	S-15 (4')	287 S1+	71
880-23052-81	S-16 (0-1')	97	109
880-23052-81 MS	S-16 (0-1')	99	110
880-23052-81 MSD	S-16 (0-1')	102	111
880-23052-82	S-16 (1.5')	101	108
880-23052-83	S-16 (2')	103	105
880-23052-84	S-16 (3')	106	108
880-23052-85	S-16 (4')	107	112
880-23052-86	S-16 (5')	104	110
880-23052-87	S-17 (0-1')	104	110
880-23052-88	S-17 (1.5')	102	111
880-23052-89	S-17 (2')	103	112

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-23052-1

Project/Site: Vaca Draw Federal SWD (12.09.22)

SDG: Lea Co, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-23052-90	S-17 (3')	105	112
880-23052-91	S-17 (4')	97	111
880-23052-92	S-18 (0-1')	123	102
880-23052-93	S-18 (1.5')	98	105
880-23052-94	S-18 (2')	101	111
880-23052-95	S-18 (3')	99	110
LCS 880-42894/1-A	Lab Control Sample	96	108
LCS 880-42895/1-A	Lab Control Sample	223 S1+	73
LCS 880-42896/1-A	Lab Control Sample	94	91
LCS 880-42897/1-A	Lab Control Sample	229 S1+	71
LCS 880-42898/1-A	Lab Control Sample	98	108
LCSD 880-42894/2-A	Lab Control Sample Dup	95	106
LCSD 880-42895/2-A	Lab Control Sample Dup	223 S1+	71
LCSD 880-42896/2-A	Lab Control Sample Dup	96	93
LCSD 880-42897/2-A	Lab Control Sample Dup	225 S1+	75
LCSD 880-42898/2-A	Lab Control Sample Dup	97	110
MB 880-42814/5-A	Method Blank	142 S1+	68 S1-
MB 880-42891/5-A	Method Blank	95	107
MB 880-42892/5-A	Method Blank	97	96
MB 880-42894/5-A	Method Blank	94	104
MB 880-42895/5-A	Method Blank	156 S1+	66 S1-
MB 880-42896/5-A	Method Blank	97	95
MB 880-42897/5-A	Method Blank	165 S1+	68 S1-
MB 880-42898/5-A	Method Blank	94	108

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-23052-1	S-1 (0-0.25')	119	129
880-23052-1 MS	S-1 (0-0.25')	114	114
880-23052-1 MSD	S-1 (0-0.25')	116	114
880-23052-2	S-1 (0.5')	135 S1+	145 S1+
880-23052-3	S-1 (1')	122	133 S1+
880-23052-4	S-1 (1.5')	135 S1+	144 S1+
880-23052-5	S-1 (2')	109	119
880-23052-6	S-1 (3')	105	115
880-23052-7	S-1 (4')	122	132 S1+
880-23052-8	S-2 (0-0.25')	115	125
880-23052-9	S-2 (0.5')	128	141 S1+
880-23052-10	S-2 (1')	106	116
880-23052-11	S-2 (1.5')	110	120
880-23052-12	S-2 (2')	104	114
880-23052-13	S-2 (3')	111	121
880-23052-14	S- (4')	108	119

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-23052-1

Project/Site: Vaca Draw Federal SWD (12.09.22)

SDG: Lea Co, NM

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)
880-23052-15	S-3 (0-0.25')	127	139 S1+
880-23052-16	S-3 (0.5')	111	123
880-23052-17	S-3 (1')	128	137 S1+
880-23052-18	S-3 (1.5')	93	101
880-23052-19	S-3 (2')	101	112
880-23052-20	S-4 (0-0.25')	119	128
880-23052-21	S-4 (0.5')	121	121
880-23052-21 MS	S-4 (0.5')	117	97
880-23052-21 MSD	S-4 (0.5')	126	104
880-23052-22	S-4 (1')	133 S1+	131 S1+
880-23052-23	S-4 (1.5')	136 S1+	133 S1+
880-23052-24	S-4 (2')	115	114
880-23052-25	S-5 (0-0.25')	108	94
880-23052-26	S-5 (0.5')	120	119
880-23052-27	S-5 (1')	118	120
880-23052-28	S-5 (1.5')	113	113
880-23052-29	S-5 (2')	11 S1-	13 S1-
880-23052-30	S-5 (3')	128	125
880-23052-31	S-5 (4')	117	119
880-23052-32	S-5 (5')	147 S1+	143 S1+
880-23052-33	S-6 (0-0.25')	116	114
880-23052-34	S-6 (0.5')	140 S1+	133 S1+
880-23052-35	S-7 (0-0.25')	109	108
880-23052-36	S-7 (0.5')	125	117
880-23052-37	S-7 (1')	123	116
880-23052-38	S-7 (1.5')	113	111
880-23052-39	S-7 (2')	136 S1+	122
880-23052-40	S-7 (3')	88	85
880-23052-41	S-7 (4')	108	118
880-23052-41 MS	S-7 (4')	74	70
880-23052-41 MSD	S-7 (4')	84	80
880-23052-42	S-7 (5')	122	132 S1+
880-23052-43	S-8 (0-1')	118	130
880-23052-44	S-8 (1.5')	106	116
880-23052-45	S-8 (2')	113	123
880-23052-46	S-8 (3')	126	137 S1+
880-23052-47	S-8 (4')	121	129
880-23052-48	S-8 (5')	128	139 S1+
880-23052-49	S-9 (0-1')	0.002 S1-	0.04 S1-
880-23052-50	S-9 (1.5')	102	110
880-23052-51	S-9 (2')	120	127
880-23052-52	S-9 (3')	113	124
880-23052-53	S-9 (4')	98	107
880-23052-54	S-9 (5')	125	136 S1+
880-23052-55	S-10 (0-1')	101	111
880-23052-56	S-10 (1.5')	87	92
880-23052-57	S-10 (2')	97	103
880-23052-58	S-10 (3')	111	115
880-23052-59	S-10 (4')	111	114
880-23052-60	S-11 (0-1')	117	126

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-23052-1

Project/Site: Vaca Draw Federal SWD (12.09.22)

SDG: Lea Co, NM

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)
880-23052-61	S-11 (1.5')	101	117
880-23052-61 MS	S-11 (1.5')	95	95
880-23052-61 MSD	S-11 (1.5')	99	99
880-23052-62	S-11 (2')	100	116
880-23052-63	S-11 (3')	99	114
880-23052-64	S-11 (4')	97	113
880-23052-65	S-11 (5')	108	117
880-23052-66	S-12 (0-1')	110	121
880-23052-67	S-13 (0-1')	82	92
880-23052-68	S-13 (1.5')	95	113
880-23052-69	S-13 (2')	110	122
880-23052-70	S-13 (3')	102	120
880-23052-71	S-13 (4')	99	118
880-23052-72	S-14 (0-1')	96	113
880-23052-73	S-14 (1.5')	109	121
880-23052-74	S-14 (2')	123	134 S1+
880-23052-75	S-14 (3')	107	119
880-23052-76	S-15 (0-1')	96	107
880-23052-77	S-15 (1.5')	99	109
880-23052-78	S-15 (2')	90	105
880-23052-79	S-15 (3')	98	109
880-23052-80	S-15 (4')	100	110
880-23052-81	S-16 (0-1')	136 S1+	114
880-23052-81 MS	S-16 (0-1')	100	71
880-23052-81 MSD	S-16 (0-1')	94	68 S1-
880-23052-82	S-16 (1.5')	109	93
880-23052-83	S-16 (2')	99	77
880-23052-84	S-16 (3')	100	78
880-23052-85	S-16 (4')	124	102
880-23052-86	S-16 (5')	108	92
880-23052-87	S-17 (0-1')	135 S1+	116
880-23052-88	S-17 (1.5')	113	98
880-23052-89	S-17 (2')	5 S1-	7 S1-
880-23052-90	S-17 (3')	111	99
880-23052-91	S-17 (4')	126	112
880-23052-92	S-18 (0-1')	102	93
880-23052-93	S-18 (1.5')	112	100
880-23052-94	S-18 (2')	103	91
880-23052-95	S-18 (3')	101	87
LCS 880-42835/2-A	Lab Control Sample	105	119
LCS 880-42912/2-A	Lab Control Sample	0 S1-	0 S1-
LCS 880-42913/2-A	Lab Control Sample	100	112
LCS 880-42925/2-A	Lab Control Sample	108	135 S1+
LCS 880-42995/2-A	Lab Control Sample	120	124
LCSD 880-42835/3-A	Lab Control Sample Dup	96	108
LCSD 880-42912/3-A	Lab Control Sample Dup	0 S1-	0 S1-
LCSD 880-42913/3-A	Lab Control Sample Dup	97	109
LCSD 880-42925/3-A	Lab Control Sample Dup	112	140 S1+
LCSD 880-42995/3-A	Lab Control Sample Dup	142 S1+	145 S1+
MB 880-42835/1-A	Method Blank	108	121

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Surrogate Summary

Client: Carmona Resources

Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1

SDG: Lea Co, NM

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 880-42912/1-A	Method Blank	0 S1-	0 S1-
MB 880-42913/1-A	Method Blank	109	120
MB 880-42925/1-A	Method Blank	112	142 S1+
MB 880-42995/1-A	Method Blank	151 S1+	142 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-42814/5-A

Matrix: Solid

Analysis Batch: 42922

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42814

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/28/22 14:51	12/31/22 01:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/28/22 14:51	12/31/22 01:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/28/22 14:51	12/31/22 01:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/28/22 14:51	12/31/22 01:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/28/22 14:51	12/31/22 01:50	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/28/22 14:51	12/31/22 01:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	142	S1+	70 - 130	12/28/22 14:51	12/31/22 01:50	1
1,4-Difluorobenzene (Surr)	68	S1-	70 - 130	12/28/22 14:51	12/31/22 01:50	1

Lab Sample ID: MB 880-42891/5-A

Matrix: Solid

Analysis Batch: 42933

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42891

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/29/22 12:52	12/30/22 13:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/29/22 12:52	12/30/22 13:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/29/22 12:52	12/30/22 13:19	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/29/22 12:52	12/30/22 13:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/29/22 12:52	12/30/22 13:19	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/29/22 12:52	12/30/22 13:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	12/29/22 12:52	12/30/22 13:19	1
1,4-Difluorobenzene (Surr)	107		70 - 130	12/29/22 12:52	12/30/22 13:19	1

Lab Sample ID: MB 880-42892/5-A

Matrix: Solid

Analysis Batch: 42924

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42892

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/29/22 12:58	12/30/22 23:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/29/22 12:58	12/30/22 23:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/29/22 12:58	12/30/22 23:01	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/29/22 12:58	12/30/22 23:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/29/22 12:58	12/30/22 23:01	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/29/22 12:58	12/30/22 23:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	12/29/22 12:58	12/30/22 23:01	1
1,4-Difluorobenzene (Surr)	96		70 - 130	12/29/22 12:58	12/30/22 23:01	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

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

Lab Sample ID: MB 880-42894/5-A

Matrix: Solid

Analysis Batch: 42933

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42894

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:11	12/31/22 01:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:11	12/31/22 01:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:11	12/31/22 01:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/29/22 13:11	12/31/22 01:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:11	12/31/22 01:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/29/22 13:11	12/31/22 01:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	12/29/22 13:11	12/31/22 01:40	1
1,4-Difluorobenzene (Surr)	104		70 - 130	12/29/22 13:11	12/31/22 01:40	1

Lab Sample ID: LCS 880-42894/1-A

Matrix: Solid

Analysis Batch: 42933

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42894

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09575		mg/Kg		96	70 - 130
Toluene	0.100	0.08720		mg/Kg		87	70 - 130
Ethylbenzene	0.100	0.08318		mg/Kg		83	70 - 130
m-Xylene & p-Xylene	0.200	0.1704		mg/Kg		85	70 - 130
o-Xylene	0.100	0.08297		mg/Kg		83	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: LCSD 880-42894/2-A

Matrix: Solid

Analysis Batch: 42933

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42894

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09486		mg/Kg		95	70 - 130	1	35
Toluene	0.100	0.08671		mg/Kg		87	70 - 130	1	35
Ethylbenzene	0.100	0.08060		mg/Kg		81	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1657		mg/Kg		83	70 - 130	3	35
o-Xylene	0.100	0.08235		mg/Kg		82	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: 880-23052-1 MS

Matrix: Solid

Analysis Batch: 42933

Client Sample ID: S-1 (0-0.25')

Prep Type: Total/NA

Prep Batch: 42894

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U F1	0.101	0.06742	F1	mg/Kg		67	70 - 130
Toluene	<0.00201	U F1	0.101	0.05329	F1	mg/Kg		53	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-23052-1 MS

Client Sample ID: S-1 (0-0.25')

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 42933

Prep Batch: 42894

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U F1	0.101	0.04919	F1	mg/Kg		49	70 - 130
m-Xylene & p-Xylene	<0.00402	U F1	0.202	0.1002	F1	mg/Kg		50	70 - 130
o-Xylene	<0.00201	U F1	0.101	0.04853	F1	mg/Kg		48	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: 880-23052-1 MSD

Client Sample ID: S-1 (0-0.25')

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 42933

Prep Batch: 42894

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U F1	0.0998	0.07318		mg/Kg		73	70 - 130	8	35
Toluene	<0.00201	U F1	0.0998	0.05679	F1	mg/Kg		57	70 - 130	6	35
Ethylbenzene	<0.00201	U F1	0.0998	0.05157	F1	mg/Kg		52	70 - 130	5	35
m-Xylene & p-Xylene	<0.00402	U F1	0.200	0.1041	F1	mg/Kg		52	70 - 130	4	35
o-Xylene	<0.00201	U F1	0.0998	0.04951	F1	mg/Kg		50	70 - 130	2	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: MB 880-42895/5-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 42922

Prep Batch: 42895

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:16	12/31/22 15:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:16	12/31/22 15:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:16	12/31/22 15:53	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/29/22 13:16	12/31/22 15:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:16	12/31/22 15:53	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/29/22 13:16	12/31/22 15:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	156	S1+	70 - 130	12/29/22 13:16	12/31/22 15:53	1
1,4-Difluorobenzene (Surr)	66	S1-	70 - 130	12/29/22 13:16	12/31/22 15:53	1

Lab Sample ID: LCS 880-42895/1-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 42922

Prep Batch: 42895

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1155		mg/Kg		116	70 - 130
Toluene	0.100	0.09821		mg/Kg		98	70 - 130
Ethylbenzene	0.100	0.1202		mg/Kg		120	70 - 130
m-Xylene & p-Xylene	0.200	0.2419		mg/Kg		121	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

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

Lab Sample ID: LCS 880-42895/1-A

Matrix: Solid

Analysis Batch: 42922

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42895

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.1240		mg/Kg		124	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	223	S1+	70 - 130
1,4-Difluorobenzene (Surr)	73		70 - 130

Lab Sample ID: LCSD 880-42895/2-A

Matrix: Solid

Analysis Batch: 42922

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42895

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1079		mg/Kg		108	70 - 130	7	35
Toluene	0.100	0.09596		mg/Kg		96	70 - 130	2	35
Ethylbenzene	0.100	0.1094		mg/Kg		109	70 - 130	9	35
m-Xylene & p-Xylene	0.200	0.2201		mg/Kg		110	70 - 130	9	35
o-Xylene	0.100	0.1137		mg/Kg		114	70 - 130	9	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	223	S1+	70 - 130
1,4-Difluorobenzene (Surr)	71		70 - 130

Lab Sample ID: 880-23052-21 MS

Matrix: Solid

Analysis Batch: 42922

Client Sample ID: S-4 (0.5')

Prep Type: Total/NA

Prep Batch: 42895

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.0996	0.09196		mg/Kg		92	70 - 130
Toluene	<0.00202	U	0.0996	0.07860		mg/Kg		79	70 - 130
Ethylbenzene	<0.00202	U	0.0996	0.09122		mg/Kg		92	70 - 130
m-Xylene & p-Xylene	<0.00403	U	0.199	0.1830		mg/Kg		92	70 - 130
o-Xylene	<0.00202	U	0.0996	0.09713		mg/Kg		98	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	226	S1+	70 - 130
1,4-Difluorobenzene (Surr)	74		70 - 130

Lab Sample ID: 880-23052-21 MSD

Matrix: Solid

Analysis Batch: 42922

Client Sample ID: S-4 (0.5')

Prep Type: Total/NA

Prep Batch: 42895

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00202	U	0.100	0.1040		mg/Kg		104	70 - 130	12	35
Toluene	<0.00202	U	0.100	0.08907		mg/Kg		89	70 - 130	12	35
Ethylbenzene	<0.00202	U	0.100	0.1021		mg/Kg		102	70 - 130	11	35
m-Xylene & p-Xylene	<0.00403	U	0.200	0.2066		mg/Kg		103	70 - 130	12	35
o-Xylene	<0.00202	U	0.100	0.1090		mg/Kg		109	70 - 130	11	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-23052-21 MSD

Matrix: Solid

Analysis Batch: 42922

Client Sample ID: S-4 (0.5')

Prep Type: Total/NA

Prep Batch: 42895

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	221	S1+	70 - 130
1,4-Difluorobenzene (Surr)	74		70 - 130

Lab Sample ID: MB 880-42896/5-A

Matrix: Solid

Analysis Batch: 42924

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42896

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:26	12/31/22 09:49	1	
Toluene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:26	12/31/22 09:49	1	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:26	12/31/22 09:49	1	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/29/22 13:26	12/31/22 09:49	1	
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:26	12/31/22 09:49	1	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/29/22 13:26	12/31/22 09:49	1	
	MB	MB								
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				12/29/22 13:26	12/31/22 09:49	1	
1,4-Difluorobenzene (Surr)	95		70 - 130				12/29/22 13:26	12/31/22 09:49	1	

Lab Sample ID: LCS 880-42896/1-A

Matrix: Solid

Analysis Batch: 42924

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42896

	Spike	LCS	LCS					%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Benzene	0.100	0.07014		mg/Kg		70	70 - 130			
Toluene	0.100	0.06895	*-	mg/Kg		69	70 - 130			
Ethylbenzene	0.100	0.06291	*-	mg/Kg		63	70 - 130			
m-Xylene & p-Xylene	0.200	0.1352	*-	mg/Kg		68	70 - 130			
o-Xylene	0.100	0.07060		mg/Kg		71	70 - 130			
	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)	94		70 - 130							
1,4-Difluorobenzene (Surr)	91		70 - 130							

Lab Sample ID: LCSD 880-42896/2-A

Matrix: Solid

Analysis Batch: 42924

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42896

	Spike	LCSD	LCSD					%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.08154		mg/Kg		82	70 - 130	15	35	
Toluene	0.100	0.07946		mg/Kg		79	70 - 130	14	35	
Ethylbenzene	0.100	0.07035		mg/Kg		70	70 - 130	11	35	
m-Xylene & p-Xylene	0.200	0.1503		mg/Kg		75	70 - 130	11	35	
o-Xylene	0.100	0.07718		mg/Kg		77	70 - 130	9	35	
	LCSD	LCSD								
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)	96		70 - 130							

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QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

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

Lab Sample ID: LCSD 880-42896/2-A

Matrix: Solid

Analysis Batch: 42924

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42896

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

Lab Sample ID: 880-23052-41 MS

Matrix: Solid

Analysis Batch: 42924

Client Sample ID: S-7 (4')

Prep Type: Total/NA

Prep Batch: 42896

	Sample	Sample	Spike	MS	MS			%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	<0.00201	U	0.100	0.08468		mg/Kg		85	70 - 130
Toluene	<0.00201	U *-	0.100	0.08255		mg/Kg		82	70 - 130
Ethylbenzene	<0.00201	U *-	0.100	0.07008		mg/Kg		70	70 - 130
m-Xylene & p-Xylene	<0.00402	U *-	0.200	0.1422		mg/Kg		71	70 - 130
o-Xylene	<0.00201	U	0.100	0.07211		mg/Kg		72	70 - 130

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

Lab Sample ID: 880-23052-41 MSD

Matrix: Solid

Analysis Batch: 42924

Client Sample ID: S-7 (4')

Prep Type: Total/NA

Prep Batch: 42896

	Sample	Sample	Spike	MSD	MSD			%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00201	U	0.0990	0.08565		mg/Kg		87	70 - 130	1	35
Toluene	<0.00201	U *-	0.0990	0.08350		mg/Kg		84	70 - 130	1	35
Ethylbenzene	<0.00201	U *-	0.0990	0.07380		mg/Kg		75	70 - 130	5	35
m-Xylene & p-Xylene	<0.00402	U *-	0.198	0.1565		mg/Kg		79	70 - 130	10	35
o-Xylene	<0.00201	U	0.0990	0.07758		mg/Kg		78	70 - 130	7	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: MB 880-42897/5-A

Matrix: Solid

Analysis Batch: 43043

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42897

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:31	01/03/23 12:36	1	
Toluene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:31	01/03/23 12:36	1	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:31	01/03/23 12:36	1	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/29/22 13:31	01/03/23 12:36	1	
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:31	01/03/23 12:36	1	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/29/22 13:31	01/03/23 12:36	1	

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac				
4-Bromofluorobenzene (Surr)	165	S1+	70 - 130	12/29/22 13:31	01/03/23 12:36	1				
1,4-Difluorobenzene (Surr)	68	S1-	70 - 130	12/29/22 13:31	01/03/23 12:36	1				

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QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

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

Lab Sample ID: LCS 880-42897/1-A

Matrix: Solid

Analysis Batch: 43043

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42897

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1033		mg/Kg		103	70 - 130
Toluene	0.100	0.1033		mg/Kg		103	70 - 130
Ethylbenzene	0.100	0.1234		mg/Kg		123	70 - 130
m-Xylene & p-Xylene	0.200	0.2508		mg/Kg		125	70 - 130
o-Xylene	0.100	0.1219		mg/Kg		122	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	229	S1+	70 - 130
1,4-Difluorobenzene (Surr)	71		70 - 130

Lab Sample ID: LCSD 880-42897/2-A

Matrix: Solid

Analysis Batch: 43043

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42897

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1148		mg/Kg		115	70 - 130	10	35
Toluene	0.100	0.1038		mg/Kg		104	70 - 130	0	35
Ethylbenzene	0.100	0.1281		mg/Kg		128	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.2605		mg/Kg		130	70 - 130	4	35
o-Xylene	0.100	0.1293		mg/Kg		129	70 - 130	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	225	S1+	70 - 130
1,4-Difluorobenzene (Surr)	75		70 - 130

Lab Sample ID: 880-23052-61 MS

Matrix: Solid

Analysis Batch: 43043

Client Sample ID: S-11 (1.5')

Prep Type: Total/NA

Prep Batch: 42897

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.101	0.1233		mg/Kg		122	70 - 130
Toluene	<0.00201	U	0.101	0.1091		mg/Kg		108	70 - 130
Ethylbenzene	<0.00201	U	0.101	0.1194		mg/Kg		118	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.202	0.2294		mg/Kg		114	70 - 130
o-Xylene	<0.00201	U	0.101	0.1180		mg/Kg		117	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	246	S1+	70 - 130
1,4-Difluorobenzene (Surr)	78		70 - 130

Lab Sample ID: 880-23052-61 MSD

Matrix: Solid

Analysis Batch: 43043

Client Sample ID: S-11 (1.5')

Prep Type: Total/NA

Prep Batch: 42897

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0996	0.1196		mg/Kg		120	70 - 130	3	35
Toluene	<0.00201	U	0.0996	0.1109		mg/Kg		111	70 - 130	2	35
Ethylbenzene	<0.00201	U	0.0996	0.1254		mg/Kg		126	70 - 130	5	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-23052-61 MSD

Matrix: Solid

Analysis Batch: 43043

Client Sample ID: S-11 (1.5')

Prep Type: Total/NA

Prep Batch: 42897

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00402	U	0.199	0.2470		mg/Kg		124	70 - 130	7	35
o-Xylene	<0.00201	U	0.0996	0.1238		mg/Kg		124	70 - 130	5	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	279	S1+	70 - 130
1,4-Difluorobenzene (Surr)	79		70 - 130

Lab Sample ID: MB 880-42898/5-A

Matrix: Solid

Analysis Batch: 42933

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42898

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:35	12/31/22 13:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:35	12/31/22 13:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:35	12/31/22 13:19	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/29/22 13:35	12/31/22 13:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:35	12/31/22 13:19	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/29/22 13:35	12/31/22 13:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	12/29/22 13:35	12/31/22 13:19	1
1,4-Difluorobenzene (Surr)	108		70 - 130	12/29/22 13:35	12/31/22 13:19	1

Lab Sample ID: LCS 880-42898/1-A

Matrix: Solid

Analysis Batch: 42933

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42898

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1101		mg/Kg		110	70 - 130
Toluene	0.100	0.09919		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.09418		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	0.200	0.1909		mg/Kg		95	70 - 130
o-Xylene	0.100	0.09308		mg/Kg		93	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: LCSD 880-42898/2-A

Matrix: Solid

Analysis Batch: 42933

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42898

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09527		mg/Kg		95	70 - 130	14	35
Toluene	0.100	0.08669		mg/Kg		87	70 - 130	13	35
Ethylbenzene	0.100	0.08293		mg/Kg		83	70 - 130	13	35
m-Xylene & p-Xylene	0.200	0.1683		mg/Kg		84	70 - 130	13	35
o-Xylene	0.100	0.08294		mg/Kg		83	70 - 130	12	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

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

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: 880-23052-81 MS

Matrix: Solid

Analysis Batch: 42933

Client Sample ID: S-16 (0-1')

Prep Type: Total/NA

Prep Batch: 42898

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00202	U F1	0.0990	<0.00198	U F1	mg/Kg		0	70 - 130	
Toluene	<0.00202	U F1	0.0990	<0.00198	U F1	mg/Kg		0	70 - 130	
Ethylbenzene	<0.00202	U F1	0.0990	<0.00198	U F1	mg/Kg		0	70 - 130	
m-Xylene & p-Xylene	<0.00403	U F1	0.198	<0.00396	U F1	mg/Kg		0	70 - 130	
o-Xylene	<0.00202	U F1	0.0990	<0.00198	U F1	mg/Kg		0.4	70 - 130	

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

Lab Sample ID: 880-23052-81 MSD

Matrix: Solid

Analysis Batch: 42933

Client Sample ID: S-16 (0-1')

Prep Type: Total/NA

Prep Batch: 42898

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	<0.00202	U F1	0.0992	<0.00198	U F1	mg/Kg		0	70 - 130	NC	35	
Toluene	<0.00202	U F1	0.0992	<0.00198	U F1	mg/Kg		0	70 - 130	NC	35	
Ethylbenzene	<0.00202	U F1	0.0992	<0.00198	U F1	mg/Kg		0	70 - 130	NC	35	
m-Xylene & p-Xylene	<0.00403	U F1	0.198	<0.00397	U F1	mg/Kg		0	70 - 130	NC	35	
o-Xylene	<0.00202	U F1	0.0992	<0.00198	U F1	mg/Kg		0.4	70 - 130	8	35	

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

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

Lab Sample ID: MB 880-42835/1-A

Matrix: Solid

Analysis Batch: 42863

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42835

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/29/22 08:30	12/29/22 13:34	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/29/22 08:30	12/29/22 13:34	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/29/22 08:30	12/29/22 13:34	1	
Total TPH	<50.0	U	50.0		mg/Kg		12/29/22 08:30	12/29/22 13:34	1	

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac				
1-Chlorooctane	108		70 - 130	12/29/22 08:30	12/29/22 13:34	1				
o-Terphenyl	121		70 - 130	12/29/22 08:30	12/29/22 13:34	1				

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QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

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

Lab Sample ID: LCS 880-42835/2-A

Matrix: Solid

Analysis Batch: 42863

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42835

Analyte			Spike	LCS	LCS	Unit	D	%Rec	%Rec		
			Added	Result	Qualifier			Limits			
Gasoline Range Organics (GRO)-C6-C10			1000	952.0		mg/Kg		95	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1109		mg/Kg		111	70 - 130		

Lab Sample ID: LCSD 880-42835/3-A

Matrix: Solid

Analysis Batch: 42863

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42835

			Spike	LCSD	LCSD				%Rec	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10			1000	794.3		mg/Kg		79	70 - 130	18	20
Diesel Range Organics (Over C10-C28)			1000	1010		mg/Kg		101	70 - 130	9	20

Lab Sample ID: 880-23052-1 MS

Matrix: Solid

Analysis Batch: 42863

Client Sample ID: S-1 (0-0.25')

Prep Type: Total/NA

Prep Batch: 42835

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1189		mg/Kg		115	70 - 130		
Diesel Range Organics (Over C10-C28)	609		999	1883		mg/Kg		127	70 - 130		

Lab Sample ID: 880-23052-1 MSD

Matrix: Solid

Analysis Batch: 42863

Client Sample ID: S-1 (0-0.25')

Prep Type: Total/NA

Prep Batch: 42835

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1237		mg/Kg		120	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	609		999	1858		mg/Kg		125	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	116		70 - 130								

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QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-23052-1 MSD

Matrix: Solid

Analysis Batch: 42863

Client Sample ID: S-1 (0-0.25')

Prep Type: Total/NA

Prep Batch: 42835

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	114		70 - 130

Lab Sample ID: MB 880-42912/1-A

Matrix: Solid

Analysis Batch: 42861

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42912

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		12/29/22 16:07	12/29/22 23:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/29/22 16:07	12/29/22 23:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/29/22 16:07	12/29/22 23:10	1
Total TPH	<50.0	U	50.0		mg/Kg		12/29/22 16:07	12/29/22 23:10	1

	MB	MB		Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane	0	S1-	70 - 130	12/29/22 16:07	12/29/22 23:10	1
<i>o</i> -Terphenyl	0	S1-	70 - 130	12/29/22 16:07	12/29/22 23:10	1

Lab Sample ID: LCS 880-42912/2-A

Matrix: Solid

Analysis Batch: 42861

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42912

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec
Result	Qualifier					Limits	
Gasoline Range Organics (GRO)-C6-C10	1000	<15.0	U *-	mg/Kg		0	70 - 130
Diesel Range Organics (Over C10-C28)	1000	<15.0	U *-	mg/Kg		0	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	0	S1-	70 - 130
<i>o</i> -Terphenyl	0	S1-	70 - 130

Lab Sample ID: LCSD 880-42912/3-A

Matrix: Solid

Analysis Batch: 42861

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42912

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD
Result	Qualifier					Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	<15.0	U *-	mg/Kg		0	70 - 130	NC 20
Diesel Range Organics (Over C10-C28)	1000	<15.0	U *-	mg/Kg		0	70 - 130	NC 20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	0	S1-	70 - 130
<i>o</i> -Terphenyl	0	S1-	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-23052-21 MS

Matrix: Solid

Analysis Batch: 42861

Client Sample ID: S-4 (0.5')

Prep Type: Total/NA

Prep Batch: 42912

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *-	999	1092		mg/Kg		106	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U *-	999	1080		mg/Kg		108	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	117		70 - 130						
o-Terphenyl	97		70 - 130						

Lab Sample ID: 880-23052-21 MSD

Matrix: Solid

Analysis Batch: 42861

Client Sample ID: S-4 (0.5')

Prep Type: Total/NA

Prep Batch: 42912

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *-	999	1263		mg/Kg		123	70 - 130	15	20
Diesel Range Organics (Over C10-C28)	<49.9	U *-	999	1148		mg/Kg		115	70 - 130	6	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	126		70 - 130								
o-Terphenyl	104		70 - 130								

Lab Sample ID: MB 880-42913/1-A

Matrix: Solid

Analysis Batch: 42863

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42913

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		12/29/22 16:10	12/29/22 23:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/29/22 16:10	12/29/22 23:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/29/22 16:10	12/29/22 23:10	1
Total TPH	<50.0	U	50.0		mg/Kg		12/29/22 16:10	12/29/22 23:10	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				12/29/22 16:10	12/29/22 23:10	1
o-Terphenyl	120		70 - 130				12/29/22 16:10	12/29/22 23:10	1

Lab Sample ID: LCS 880-42913/2-A

Matrix: Solid

Analysis Batch: 42863

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42913

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	806.1		mg/Kg		81	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1048		mg/Kg		105	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

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

Lab Sample ID: LCS 880-42913/2-A
Matrix: Solid
Analysis Batch: 42863

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 42913

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	112		70 - 130

Lab Sample ID: LCSD 880-42913/3-A
Matrix: Solid
Analysis Batch: 42863

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 42913

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	781.6		mg/Kg		78	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	1027		mg/Kg		103	70 - 130	2	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenyl	109		70 - 130

Lab Sample ID: 880-23052-41 MS
Matrix: Solid
Analysis Batch: 42863

Client Sample ID: S-7 (4')
Prep Type: Total/NA
Prep Batch: 42913

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1002		mg/Kg		96	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1166		mg/Kg		115	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	74		70 - 130
o-Terphenyl	70		70 - 130

Lab Sample ID: 880-23052-41 MSD
Matrix: Solid
Analysis Batch: 42863

Client Sample ID: S-7 (4')
Prep Type: Total/NA
Prep Batch: 42913

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1228		mg/Kg		118	70 - 130	20	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1309		mg/Kg		129	70 - 130	12	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	84		70 - 130
o-Terphenyl	80		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

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

Lab Sample ID: MB 880-42925/1-A

Matrix: Solid

Analysis Batch: 42932

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42925

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		12/30/22 08:19	12/30/22 11:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/30/22 08:19	12/30/22 11:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/30/22 08:19	12/30/22 11:43	1
Total TPH	<50.0	U	50.0		mg/Kg		12/30/22 08:19	12/30/22 11:43	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	12/30/22 08:19	12/30/22 11:43	1
o-Terphenyl	142	S1+	70 - 130	12/30/22 08:19	12/30/22 11:43	1

Lab Sample ID: LCS 880-42925/2-A

Matrix: Solid

Analysis Batch: 42932

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42925

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	833.6		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1027		mg/Kg		103	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	108		70 - 130
o-Terphenyl	135	S1+	70 - 130

Lab Sample ID: LCSD 880-42925/3-A

Matrix: Solid

Analysis Batch: 42932

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42925

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	859.5		mg/Kg		86	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	1071		mg/Kg		107	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	112		70 - 130
o-Terphenyl	140	S1+	70 - 130

Lab Sample ID: 880-23052-61 MS

Matrix: Solid

Analysis Batch: 42932

Client Sample ID: S-11 (1.5')

Prep Type: Total/NA

Prep Batch: 42925

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1140		mg/Kg		109	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1146		mg/Kg		113	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-23052-61 MS

Matrix: Solid

Analysis Batch: 42932

Client Sample ID: S-11 (1.5')

Prep Type: Total/NA

Prep Batch: 42925

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

Lab Sample ID: 880-23052-61 MSD

Matrix: Solid

Analysis Batch: 42932

Client Sample ID: S-11 (1.5')

Prep Type: Total/NA

Prep Batch: 42925

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1177		mg/Kg		113	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1191		mg/Kg		118	70 - 130	4	20

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

Lab Sample ID: MB 880-42995/1-A

Matrix: Solid

Analysis Batch: 42935

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42995

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		12/30/22 15:02	12/31/22 00:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/30/22 15:02	12/31/22 00:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/30/22 15:02	12/31/22 00:12	1
Total TPH	<50.0	U	50.0		mg/Kg		12/30/22 15:02	12/31/22 00:12	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	151	S1+	70 - 130	12/30/22 15:02	12/31/22 00:12	1			
o-Terphenyl	142	S1+	70 - 130	12/30/22 15:02	12/31/22 00:12	1			

Lab Sample ID: LCS 880-42995/2-A

Matrix: Solid

Analysis Batch: 42935

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42995

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1032		mg/Kg		103	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1095		mg/Kg		109	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	120		70 - 130
o-Terphenyl	124		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

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

Lab Sample ID: LCSD 880-42995/3-A

Matrix: Solid

Analysis Batch: 42935

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42995

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	974.3		mg/Kg		97	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	1000	1304		mg/Kg		130	70 - 130	17	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	142	S1+	70 - 130						
o-Terphenyl	145	S1+	70 - 130						

Lab Sample ID: 880-23052-81 MS

Matrix: Solid

Analysis Batch: 42935

Client Sample ID: S-16 (0-1')

Prep Type: Total/NA

Prep Batch: 42995

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1068		mg/Kg		104	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	999	809.8		mg/Kg		81	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	100		70 - 130								
o-Terphenyl	71		70 - 130								

Lab Sample ID: 880-23052-81 MSD

Matrix: Solid

Analysis Batch: 42935

Client Sample ID: S-16 (0-1')

Prep Type: Total/NA

Prep Batch: 42995

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	885.0		mg/Kg		86	70 - 130	19	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	772.5		mg/Kg		77	70 - 130	5	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	94		70 - 130								
o-Terphenyl	68	S1-	70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-42713/1-A

Matrix: Solid

Analysis Batch: 42901

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			12/30/22 14:22	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-42713/2-A

Matrix: Solid

Analysis Batch: 42901

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	264.7		mg/Kg		106	90 - 110

Lab Sample ID: LCSD 880-42713/3-A

Matrix: Solid

Analysis Batch: 42901

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	271.2		mg/Kg		108	90 - 110	2	20

Lab Sample ID: 880-23052-6 MS

Matrix: Solid

Analysis Batch: 42901

Client Sample ID: S-1 (3')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	767		251	1034		mg/Kg		106	90 - 110

Lab Sample ID: 880-23052-6 MSD

Matrix: Solid

Analysis Batch: 42901

Client Sample ID: S-1 (3')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	767		251	1004		mg/Kg		94	90 - 110	3	20

Lab Sample ID: MB 880-42714/1-A

Matrix: Solid

Analysis Batch: 42904

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			12/30/22 15:24	1

Lab Sample ID: LCS 880-42714/2-A

Matrix: Solid

Analysis Batch: 42904

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	271.4		mg/Kg		109	90 - 110

Lab Sample ID: LCSD 880-42714/3-A

Matrix: Solid

Analysis Batch: 42904

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	272.1		mg/Kg		109	90 - 110	0	20

Lab Sample ID: 880-23052-16 MS

Matrix: Solid

Analysis Batch: 42904

Client Sample ID: S-3 (0.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2310		1260	3635		mg/Kg		106	90 - 110

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-23052-16 MSD

Matrix: Solid

Analysis Batch: 42904

Client Sample ID: S-3 (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	2310		1260	3686		mg/Kg		110	90 - 110	1	20

Lab Sample ID: 880-23052-26 MS

Matrix: Solid

Analysis Batch: 42904

Client Sample ID: S-5 (0.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	4660	F1	2490	7538	F1	mg/Kg		115	90 - 110		

Lab Sample ID: 880-23052-26 MSD

Matrix: Solid

Analysis Batch: 42904

Client Sample ID: S-5 (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	4660	F1	2490	7548	F1	mg/Kg		116	90 - 110	0	20

Lab Sample ID: MB 880-42715/1-A

Matrix: Solid

Analysis Batch: 42905

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			12/31/22 01:30	1

Lab Sample ID: LCS 880-42715/2-A

Matrix: Solid

Analysis Batch: 42905

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	270.7		mg/Kg		108	90 - 110		

Lab Sample ID: LCSD 880-42715/3-A

Matrix: Solid

Analysis Batch: 42905

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	265.1		mg/Kg		106	90 - 110	2	20

Lab Sample ID: 880-23052-36 MS

Matrix: Solid

Analysis Batch: 42905

Client Sample ID: S-7 (0.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	5780		5000	11200		mg/Kg		109	90 - 110		

Lab Sample ID: 880-23052-36 MSD

Matrix: Solid

Analysis Batch: 42905

Client Sample ID: S-7 (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	5780		5000	11030		mg/Kg		105	90 - 110	2	20

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-23052-46 MS

Matrix: Solid

Analysis Batch: 42905

Client Sample ID: S-8 (3')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2250	F1	1240	3989	F1	mg/Kg		140	90 - 110

Lab Sample ID: 880-23052-46 MSD

Matrix: Solid

Analysis Batch: 42905

Client Sample ID: S-8 (3')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2250	F1	1240	3942	F1	mg/Kg		136	90 - 110	1	20

Lab Sample ID: MB 880-42716/1-A

Matrix: Solid

Analysis Batch: 42906

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			12/31/22 11:27	1

Lab Sample ID: LCS 880-42716/2-A

Matrix: Solid

Analysis Batch: 42906

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	271.6		mg/Kg		109	90 - 110

Lab Sample ID: LCSD 880-42716/3-A

Matrix: Solid

Analysis Batch: 42906

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	272.2		mg/Kg		109	90 - 110	0	20

Lab Sample ID: 880-23052-56 MS

Matrix: Solid

Analysis Batch: 42906

Client Sample ID: S-10 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1750	F1	1250	3398	F1	mg/Kg		132	90 - 110

Lab Sample ID: 880-23052-56 MSD

Matrix: Solid

Analysis Batch: 42906

Client Sample ID: S-10 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1750	F1	1250	3394	F1	mg/Kg		132	90 - 110	0	20

Lab Sample ID: 880-23052-66 MS

Matrix: Solid

Analysis Batch: 42906

Client Sample ID: S-12 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1040		248	1344	4	mg/Kg		123	90 - 110

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-23052-66 MSD

Matrix: Solid

Analysis Batch: 42906

Client Sample ID: S-12 (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	1040		248	1284	4	mg/Kg		99	90 - 110	5	20

Lab Sample ID: MB 880-42717/1-A

Matrix: Solid

Analysis Batch: 42907

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			12/30/22 21:22	1

Lab Sample ID: LCS 880-42717/2-A

Matrix: Solid

Analysis Batch: 42907

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	270.8		mg/Kg		108	90 - 110

Lab Sample ID: LCSD 880-42717/3-A

Matrix: Solid

Analysis Batch: 42907

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	271.3		mg/Kg		109	90 - 110	0	20

Lab Sample ID: 880-23052-76 MS

Matrix: Solid

Analysis Batch: 42907

Client Sample ID: S-15 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3040	F1	1260	4611	F1	mg/Kg		125	90 - 110

Lab Sample ID: 880-23052-76 MSD

Matrix: Solid

Analysis Batch: 42907

Client Sample ID: S-15 (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	3040	F1	1260	4580	F1	mg/Kg		122	90 - 110	1	20

Lab Sample ID: 880-23052-86 MS

Matrix: Solid

Analysis Batch: 42907

Client Sample ID: S-16 (5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10700	F1	4980	16890	F1	mg/Kg		125	90 - 110

Lab Sample ID: 880-23052-86 MSD

Matrix: Solid

Analysis Batch: 42907

Client Sample ID: S-16 (5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10700	F1	4980	16750	F1	mg/Kg		122	90 - 110	1	20

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

GC VOA

Prep Batch: 42814

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-42814/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 42891

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-42891/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 42892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-42892/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 42894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23052-1	S-1 (0-0.25')	Total/NA	Solid	5035	
880-23052-2	S-1 (0.5')	Total/NA	Solid	5035	
880-23052-3	S-1 (1')	Total/NA	Solid	5035	
880-23052-4	S-1 (1.5')	Total/NA	Solid	5035	
880-23052-5	S-1 (2')	Total/NA	Solid	5035	
880-23052-6	S-1 (3')	Total/NA	Solid	5035	
880-23052-7	S-1 (4')	Total/NA	Solid	5035	
880-23052-8	S-2 (0-0.25')	Total/NA	Solid	5035	
880-23052-9	S-2 (0.5')	Total/NA	Solid	5035	
880-23052-10	S-2 (1')	Total/NA	Solid	5035	
880-23052-11	S-2 (1.5')	Total/NA	Solid	5035	
880-23052-12	S-2 (2')	Total/NA	Solid	5035	
880-23052-13	S-2 (3')	Total/NA	Solid	5035	
880-23052-14	S- (4')	Total/NA	Solid	5035	
880-23052-15	S-3 (0-0.25')	Total/NA	Solid	5035	
880-23052-16	S-3 (0.5')	Total/NA	Solid	5035	
880-23052-17	S-3 (1')	Total/NA	Solid	5035	
880-23052-18	S-3 (1.5')	Total/NA	Solid	5035	
880-23052-19	S-3 (2')	Total/NA	Solid	5035	
880-23052-20	S-4 (0-0.25')	Total/NA	Solid	5035	
MB 880-42894/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-42894/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-42894/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-23052-1 MS	S-1 (0-0.25')	Total/NA	Solid	5035	
880-23052-1 MSD	S-1 (0-0.25')	Total/NA	Solid	5035	

Prep Batch: 42895

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23052-21	S-4 (0.5')	Total/NA	Solid	5035	
880-23052-22	S-4 (1')	Total/NA	Solid	5035	
880-23052-23	S-4 (1.5')	Total/NA	Solid	5035	
880-23052-24	S-4 (2')	Total/NA	Solid	5035	
880-23052-25	S-5 (0-0.25')	Total/NA	Solid	5035	
880-23052-26	S-5 (0.5')	Total/NA	Solid	5035	
880-23052-27	S-5 (1')	Total/NA	Solid	5035	
880-23052-28	S-5 (1.5')	Total/NA	Solid	5035	
880-23052-29	S-5 (2')	Total/NA	Solid	5035	
880-23052-30	S-5 (3')	Total/NA	Solid	5035	
880-23052-31	S-5 (4')	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

GC VOA (Continued)

Prep Batch: 42895 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23052-32	S-5 (5')	Total/NA	Solid	5035	
880-23052-33	S-6 (0-0.25')	Total/NA	Solid	5035	
880-23052-34	S-6 (0.5')	Total/NA	Solid	5035	
880-23052-35	S-7 (0-0.25')	Total/NA	Solid	5035	
880-23052-36	S-7 (0.5')	Total/NA	Solid	5035	
880-23052-37	S-7 (1')	Total/NA	Solid	5035	
880-23052-38	S-7 (1.5')	Total/NA	Solid	5035	
880-23052-39	S-7 (2')	Total/NA	Solid	5035	
880-23052-40	S-7 (3')	Total/NA	Solid	5035	
MB 880-42895/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-42895/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-42895/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-23052-21 MS	S-4 (0.5')	Total/NA	Solid	5035	
880-23052-21 MSD	S-4 (0.5')	Total/NA	Solid	5035	

Prep Batch: 42896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23052-41	S-7 (4')	Total/NA	Solid	5035	
880-23052-42	S-7 (5')	Total/NA	Solid	5035	
880-23052-43	S-8 (0-1')	Total/NA	Solid	5035	
880-23052-44	S-8 (1.5')	Total/NA	Solid	5035	
880-23052-45	S-8 (2')	Total/NA	Solid	5035	
880-23052-46	S-8 (3')	Total/NA	Solid	5035	
880-23052-47	S-8 (4')	Total/NA	Solid	5035	
880-23052-48	S-8 (5')	Total/NA	Solid	5035	
880-23052-49	S-9 (0-1')	Total/NA	Solid	5035	
880-23052-50	S-9 (1.5')	Total/NA	Solid	5035	
880-23052-51	S-9 (2')	Total/NA	Solid	5035	
880-23052-52	S-9 (3')	Total/NA	Solid	5035	
880-23052-53	S-9 (4')	Total/NA	Solid	5035	
880-23052-54	S-9 (5')	Total/NA	Solid	5035	
880-23052-55	S-10 (0-1')	Total/NA	Solid	5035	
880-23052-56	S-10 (1.5')	Total/NA	Solid	5035	
880-23052-57	S-10 (2')	Total/NA	Solid	5035	
880-23052-58	S-10 (3')	Total/NA	Solid	5035	
880-23052-59	S-10 (4')	Total/NA	Solid	5035	
880-23052-60	S-11 (0-1')	Total/NA	Solid	5035	
MB 880-42896/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-42896/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-42896/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-23052-41 MS	S-7 (4')	Total/NA	Solid	5035	
880-23052-41 MSD	S-7 (4')	Total/NA	Solid	5035	

Prep Batch: 42897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23052-61	S-11 (1.5')	Total/NA	Solid	5035	
880-23052-62	S-11 (2')	Total/NA	Solid	5035	
880-23052-63	S-11 (3')	Total/NA	Solid	5035	
880-23052-64	S-11 (4')	Total/NA	Solid	5035	
880-23052-65	S-11 (5')	Total/NA	Solid	5035	
880-23052-66	S-12 (0-1')	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

GC VOA (Continued)

Prep Batch: 42897 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23052-67	S-13 (0-1')	Total/NA	Solid	5035	
880-23052-68	S-13 (1.5')	Total/NA	Solid	5035	
880-23052-69	S-13 (2')	Total/NA	Solid	5035	
880-23052-70	S-13 (3')	Total/NA	Solid	5035	
880-23052-71	S-13 (4')	Total/NA	Solid	5035	
880-23052-72	S-14 (0-1')	Total/NA	Solid	5035	
880-23052-73	S-14 (1.5')	Total/NA	Solid	5035	
880-23052-74	S-14 (2')	Total/NA	Solid	5035	
880-23052-75	S-14 (3')	Total/NA	Solid	5035	
880-23052-76	S-15 (0-1')	Total/NA	Solid	5035	
880-23052-77	S-15 (1.5')	Total/NA	Solid	5035	
880-23052-78	S-15 (2')	Total/NA	Solid	5035	
880-23052-79	S-15 (3')	Total/NA	Solid	5035	
880-23052-80	S-15 (4')	Total/NA	Solid	5035	
MB 880-42897/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-42897/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-42897/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-23052-61 MS	S-11 (1.5')	Total/NA	Solid	5035	
880-23052-61 MSD	S-11 (1.5')	Total/NA	Solid	5035	

Prep Batch: 42898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23052-81	S-16 (0-1')	Total/NA	Solid	5035	
880-23052-82	S-16 (1.5')	Total/NA	Solid	5035	
880-23052-83	S-16 (2')	Total/NA	Solid	5035	
880-23052-84	S-16 (3')	Total/NA	Solid	5035	
880-23052-85	S-16 (4')	Total/NA	Solid	5035	
880-23052-86	S-16 (5')	Total/NA	Solid	5035	
880-23052-87	S-17 (0-1')	Total/NA	Solid	5035	
880-23052-88	S-17 (1.5')	Total/NA	Solid	5035	
880-23052-89	S-17 (2')	Total/NA	Solid	5035	
880-23052-90	S-17 (3')	Total/NA	Solid	5035	
880-23052-91	S-17 (4')	Total/NA	Solid	5035	
880-23052-92	S-18 (0-1')	Total/NA	Solid	5035	
880-23052-93	S-18 (1.5')	Total/NA	Solid	5035	
880-23052-94	S-18 (2')	Total/NA	Solid	5035	
880-23052-95	S-18 (3')	Total/NA	Solid	5035	
MB 880-42898/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-42898/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-42898/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-23052-81 MS	S-16 (0-1')	Total/NA	Solid	5035	
880-23052-81 MSD	S-16 (0-1')	Total/NA	Solid	5035	

Analysis Batch: 42922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23052-21	S-4 (0.5')	Total/NA	Solid	8021B	42895
880-23052-22	S-4 (1')	Total/NA	Solid	8021B	42895
880-23052-23	S-4 (1.5')	Total/NA	Solid	8021B	42895
880-23052-24	S-4 (2')	Total/NA	Solid	8021B	42895
880-23052-25	S-5 (0-0.25')	Total/NA	Solid	8021B	42895
880-23052-26	S-5 (0.5')	Total/NA	Solid	8021B	42895

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

GC VOA (Continued)

Analysis Batch: 42922 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23052-27	S-5 (1')	Total/NA	Solid	8021B	42895
880-23052-28	S-5 (1.5')	Total/NA	Solid	8021B	42895
880-23052-29	S-5 (2')	Total/NA	Solid	8021B	42895
880-23052-30	S-5 (3')	Total/NA	Solid	8021B	42895
880-23052-31	S-5 (4')	Total/NA	Solid	8021B	42895
880-23052-32	S-5 (5')	Total/NA	Solid	8021B	42895
880-23052-33	S-6 (0-0.25')	Total/NA	Solid	8021B	42895
880-23052-34	S-6 (0.5')	Total/NA	Solid	8021B	42895
880-23052-35	S-7 (0-0.25')	Total/NA	Solid	8021B	42895
880-23052-36	S-7 (0.5')	Total/NA	Solid	8021B	42895
880-23052-37	S-7 (1')	Total/NA	Solid	8021B	42895
880-23052-38	S-7 (1.5')	Total/NA	Solid	8021B	42895
880-23052-39	S-7 (2')	Total/NA	Solid	8021B	42895
880-23052-40	S-7 (3')	Total/NA	Solid	8021B	42895
MB 880-42814/5-A	Method Blank	Total/NA	Solid	8021B	42814
MB 880-42895/5-A	Method Blank	Total/NA	Solid	8021B	42895
LCS 880-42895/1-A	Lab Control Sample	Total/NA	Solid	8021B	42895
LCSD 880-42895/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	42895
880-23052-21 MS	S-4 (0.5')	Total/NA	Solid	8021B	42895
880-23052-21 MSD	S-4 (0.5')	Total/NA	Solid	8021B	42895

Analysis Batch: 42924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23052-41	S-7 (4')	Total/NA	Solid	8021B	42896
880-23052-42	S-7 (5')	Total/NA	Solid	8021B	42896
880-23052-43	S-8 (0-1')	Total/NA	Solid	8021B	42896
880-23052-44	S-8 (1.5')	Total/NA	Solid	8021B	42896
880-23052-45	S-8 (2')	Total/NA	Solid	8021B	42896
880-23052-46	S-8 (3')	Total/NA	Solid	8021B	42896
880-23052-47	S-8 (4')	Total/NA	Solid	8021B	42896
880-23052-48	S-8 (5')	Total/NA	Solid	8021B	42896
880-23052-49	S-9 (0-1')	Total/NA	Solid	8021B	42896
880-23052-50	S-9 (1.5')	Total/NA	Solid	8021B	42896
880-23052-51	S-9 (2')	Total/NA	Solid	8021B	42896
880-23052-52	S-9 (3')	Total/NA	Solid	8021B	42896
880-23052-53	S-9 (4')	Total/NA	Solid	8021B	42896
880-23052-54	S-9 (5')	Total/NA	Solid	8021B	42896
880-23052-55	S-10 (0-1')	Total/NA	Solid	8021B	42896
880-23052-56	S-10 (1.5')	Total/NA	Solid	8021B	42896
880-23052-57	S-10 (2')	Total/NA	Solid	8021B	42896
880-23052-58	S-10 (3')	Total/NA	Solid	8021B	42896
880-23052-59	S-10 (4')	Total/NA	Solid	8021B	42896
880-23052-60	S-11 (0-1')	Total/NA	Solid	8021B	42896
MB 880-42892/5-A	Method Blank	Total/NA	Solid	8021B	42892
MB 880-42896/5-A	Method Blank	Total/NA	Solid	8021B	42896
LCS 880-42896/1-A	Lab Control Sample	Total/NA	Solid	8021B	42896
LCSD 880-42896/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	42896
880-23052-41 MS	S-7 (4')	Total/NA	Solid	8021B	42896
880-23052-41 MSD	S-7 (4')	Total/NA	Solid	8021B	42896

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

GC VOA

Analysis Batch: 42933

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23052-1	S-1 (0-0.25')	Total/NA	Solid	8021B	42894
880-23052-2	S-1 (0.5')	Total/NA	Solid	8021B	42894
880-23052-3	S-1 (1')	Total/NA	Solid	8021B	42894
880-23052-4	S-1 (1.5')	Total/NA	Solid	8021B	42894
880-23052-5	S-1 (2')	Total/NA	Solid	8021B	42894
880-23052-6	S-1 (3')	Total/NA	Solid	8021B	42894
880-23052-7	S-1 (4')	Total/NA	Solid	8021B	42894
880-23052-8	S-2 (0-0.25')	Total/NA	Solid	8021B	42894
880-23052-9	S-2 (0.5')	Total/NA	Solid	8021B	42894
880-23052-10	S-2 (1')	Total/NA	Solid	8021B	42894
880-23052-11	S-2 (1.5')	Total/NA	Solid	8021B	42894
880-23052-12	S-2 (2')	Total/NA	Solid	8021B	42894
880-23052-13	S-2 (3')	Total/NA	Solid	8021B	42894
880-23052-14	S- (4')	Total/NA	Solid	8021B	42894
880-23052-15	S-3 (0-0.25')	Total/NA	Solid	8021B	42894
880-23052-16	S-3 (0.5')	Total/NA	Solid	8021B	42894
880-23052-17	S-3 (1')	Total/NA	Solid	8021B	42894
880-23052-18	S-3 (1.5')	Total/NA	Solid	8021B	42894
880-23052-19	S-3 (2')	Total/NA	Solid	8021B	42894
880-23052-20	S-4 (0-0.25')	Total/NA	Solid	8021B	42894
880-23052-81	S-16 (0-1')	Total/NA	Solid	8021B	42898
880-23052-82	S-16 (1.5')	Total/NA	Solid	8021B	42898
880-23052-83	S-16 (2')	Total/NA	Solid	8021B	42898
880-23052-84	S-16 (3')	Total/NA	Solid	8021B	42898
880-23052-85	S-16 (4')	Total/NA	Solid	8021B	42898
880-23052-86	S-16 (5')	Total/NA	Solid	8021B	42898
880-23052-87	S-17 (0-1')	Total/NA	Solid	8021B	42898
880-23052-88	S-17 (1.5')	Total/NA	Solid	8021B	42898
880-23052-89	S-17 (2')	Total/NA	Solid	8021B	42898
880-23052-90	S-17 (3')	Total/NA	Solid	8021B	42898
880-23052-91	S-17 (4')	Total/NA	Solid	8021B	42898
880-23052-92	S-18 (0-1')	Total/NA	Solid	8021B	42898
880-23052-93	S-18 (1.5')	Total/NA	Solid	8021B	42898
880-23052-94	S-18 (2')	Total/NA	Solid	8021B	42898
880-23052-95	S-18 (3')	Total/NA	Solid	8021B	42898
MB 880-42891/5-A	Method Blank	Total/NA	Solid	8021B	42891
MB 880-42894/5-A	Method Blank	Total/NA	Solid	8021B	42894
MB 880-42898/5-A	Method Blank	Total/NA	Solid	8021B	42898
LCS 880-42894/1-A	Lab Control Sample	Total/NA	Solid	8021B	42894
LCS 880-42898/1-A	Lab Control Sample	Total/NA	Solid	8021B	42898
LCSD 880-42894/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	42894
LCSD 880-42898/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	42898
880-23052-1 MS	S-1 (0-0.25')	Total/NA	Solid	8021B	42894
880-23052-1 MSD	S-1 (0-0.25')	Total/NA	Solid	8021B	42894
880-23052-81 MS	S-16 (0-1')	Total/NA	Solid	8021B	42898
880-23052-81 MSD	S-16 (0-1')	Total/NA	Solid	8021B	42898

Analysis Batch: 43012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23052-1	S-1 (0-0.25')	Total/NA	Solid	Total BTEX	
880-23052-2	S-1 (0.5')	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources

Job ID: 880-23052-1

Project/Site: Vaca Draw Federal SWD (12.09.22)

SDG: Lea Co, NM

GC VOA (Continued)

Analysis Batch: 43012 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23052-3	S-1 (1')	Total/NA	Solid	Total BTEX	
880-23052-4	S-1 (1.5')	Total/NA	Solid	Total BTEX	
880-23052-5	S-1 (2')	Total/NA	Solid	Total BTEX	
880-23052-6	S-1 (3')	Total/NA	Solid	Total BTEX	
880-23052-7	S-1 (4')	Total/NA	Solid	Total BTEX	
880-23052-8	S-2 (0-0.25')	Total/NA	Solid	Total BTEX	
880-23052-9	S-2 (0.5')	Total/NA	Solid	Total BTEX	
880-23052-10	S-2 (1')	Total/NA	Solid	Total BTEX	
880-23052-11	S-2 (1.5')	Total/NA	Solid	Total BTEX	
880-23052-12	S-2 (2')	Total/NA	Solid	Total BTEX	
880-23052-13	S-2 (3')	Total/NA	Solid	Total BTEX	
880-23052-14	S- (4')	Total/NA	Solid	Total BTEX	
880-23052-15	S-3 (0-0.25')	Total/NA	Solid	Total BTEX	
880-23052-16	S-3 (0.5')	Total/NA	Solid	Total BTEX	
880-23052-17	S-3 (1')	Total/NA	Solid	Total BTEX	
880-23052-18	S-3 (1.5')	Total/NA	Solid	Total BTEX	
880-23052-19	S-3 (2')	Total/NA	Solid	Total BTEX	
880-23052-20	S-4 (0-0.25')	Total/NA	Solid	Total BTEX	
880-23052-21	S-4 (0.5')	Total/NA	Solid	Total BTEX	
880-23052-22	S-4 (1')	Total/NA	Solid	Total BTEX	
880-23052-23	S-4 (1.5')	Total/NA	Solid	Total BTEX	
880-23052-24	S-4 (2')	Total/NA	Solid	Total BTEX	
880-23052-25	S-5 (0-0.25')	Total/NA	Solid	Total BTEX	
880-23052-26	S-5 (0.5')	Total/NA	Solid	Total BTEX	
880-23052-27	S-5 (1')	Total/NA	Solid	Total BTEX	
880-23052-28	S-5 (1.5')	Total/NA	Solid	Total BTEX	
880-23052-29	S-5 (2')	Total/NA	Solid	Total BTEX	
880-23052-30	S-5 (3')	Total/NA	Solid	Total BTEX	
880-23052-31	S-5 (4')	Total/NA	Solid	Total BTEX	
880-23052-32	S-5 (5')	Total/NA	Solid	Total BTEX	
880-23052-33	S-6 (0-0.25')	Total/NA	Solid	Total BTEX	
880-23052-34	S-6 (0.5')	Total/NA	Solid	Total BTEX	
880-23052-35	S-7 (0-0.25')	Total/NA	Solid	Total BTEX	
880-23052-36	S-7 (0.5')	Total/NA	Solid	Total BTEX	
880-23052-37	S-7 (1')	Total/NA	Solid	Total BTEX	
880-23052-38	S-7 (1.5')	Total/NA	Solid	Total BTEX	
880-23052-39	S-7 (2')	Total/NA	Solid	Total BTEX	
880-23052-40	S-7 (3')	Total/NA	Solid	Total BTEX	
880-23052-41	S-7 (4')	Total/NA	Solid	Total BTEX	
880-23052-42	S-7 (5')	Total/NA	Solid	Total BTEX	
880-23052-43	S-8 (0-1')	Total/NA	Solid	Total BTEX	
880-23052-44	S-8 (1.5')	Total/NA	Solid	Total BTEX	
880-23052-45	S-8 (2')	Total/NA	Solid	Total BTEX	
880-23052-46	S-8 (3')	Total/NA	Solid	Total BTEX	
880-23052-47	S-8 (4')	Total/NA	Solid	Total BTEX	
880-23052-48	S-8 (5')	Total/NA	Solid	Total BTEX	
880-23052-49	S-9 (0-1')	Total/NA	Solid	Total BTEX	
880-23052-50	S-9 (1.5')	Total/NA	Solid	Total BTEX	
880-23052-51	S-9 (2')	Total/NA	Solid	Total BTEX	
880-23052-52	S-9 (3')	Total/NA	Solid	Total BTEX	
880-23052-53	S-9 (4')	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

GC VOA (Continued)

Analysis Batch: 43012 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23052-54	S-9 (5')	Total/NA	Solid	Total BTEX	
880-23052-55	S-10 (0-1')	Total/NA	Solid	Total BTEX	
880-23052-56	S-10 (1.5')	Total/NA	Solid	Total BTEX	
880-23052-57	S-10 (2')	Total/NA	Solid	Total BTEX	
880-23052-58	S-10 (3')	Total/NA	Solid	Total BTEX	
880-23052-59	S-10 (4')	Total/NA	Solid	Total BTEX	
880-23052-60	S-11 (0-1')	Total/NA	Solid	Total BTEX	
880-23052-61	S-11 (1.5')	Total/NA	Solid	Total BTEX	
880-23052-62	S-11 (2')	Total/NA	Solid	Total BTEX	
880-23052-63	S-11 (3')	Total/NA	Solid	Total BTEX	
880-23052-64	S-11 (4')	Total/NA	Solid	Total BTEX	
880-23052-65	S-11 (5')	Total/NA	Solid	Total BTEX	
880-23052-66	S-12 (0-1')	Total/NA	Solid	Total BTEX	
880-23052-67	S-13 (0-1')	Total/NA	Solid	Total BTEX	
880-23052-68	S-13 (1.5')	Total/NA	Solid	Total BTEX	
880-23052-69	S-13 (2')	Total/NA	Solid	Total BTEX	
880-23052-70	S-13 (3')	Total/NA	Solid	Total BTEX	
880-23052-71	S-13 (4')	Total/NA	Solid	Total BTEX	
880-23052-72	S-14 (0-1')	Total/NA	Solid	Total BTEX	
880-23052-73	S-14 (1.5')	Total/NA	Solid	Total BTEX	
880-23052-74	S-14 (2')	Total/NA	Solid	Total BTEX	
880-23052-75	S-14 (3')	Total/NA	Solid	Total BTEX	
880-23052-76	S-15 (0-1')	Total/NA	Solid	Total BTEX	
880-23052-77	S-15 (1.5')	Total/NA	Solid	Total BTEX	
880-23052-78	S-15 (2')	Total/NA	Solid	Total BTEX	
880-23052-79	S-15 (3')	Total/NA	Solid	Total BTEX	
880-23052-80	S-15 (4')	Total/NA	Solid	Total BTEX	
880-23052-81	S-16 (0-1')	Total/NA	Solid	Total BTEX	
880-23052-82	S-16 (1.5')	Total/NA	Solid	Total BTEX	
880-23052-83	S-16 (2')	Total/NA	Solid	Total BTEX	
880-23052-84	S-16 (3')	Total/NA	Solid	Total BTEX	
880-23052-85	S-16 (4')	Total/NA	Solid	Total BTEX	
880-23052-86	S-16 (5')	Total/NA	Solid	Total BTEX	
880-23052-87	S-17 (0-1')	Total/NA	Solid	Total BTEX	
880-23052-88	S-17 (1.5')	Total/NA	Solid	Total BTEX	
880-23052-89	S-17 (2')	Total/NA	Solid	Total BTEX	
880-23052-90	S-17 (3')	Total/NA	Solid	Total BTEX	
880-23052-91	S-17 (4')	Total/NA	Solid	Total BTEX	
880-23052-92	S-18 (0-1')	Total/NA	Solid	Total BTEX	
880-23052-93	S-18 (1.5')	Total/NA	Solid	Total BTEX	
880-23052-94	S-18 (2')	Total/NA	Solid	Total BTEX	
880-23052-95	S-18 (3')	Total/NA	Solid	Total BTEX	

Analysis Batch: 43043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23052-61	S-11 (1.5')	Total/NA	Solid	8021B	42897
880-23052-62	S-11 (2')	Total/NA	Solid	8021B	42897
880-23052-63	S-11 (3')	Total/NA	Solid	8021B	42897
880-23052-64	S-11 (4')	Total/NA	Solid	8021B	42897
880-23052-65	S-11 (5')	Total/NA	Solid	8021B	42897
880-23052-66	S-12 (0-1')	Total/NA	Solid	8021B	42897

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

GC VOA (Continued)

Analysis Batch: 43043 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23052-67	S-13 (0-1')	Total/NA	Solid	8021B	42897
880-23052-68	S-13 (1.5')	Total/NA	Solid	8021B	42897
880-23052-69	S-13 (2')	Total/NA	Solid	8021B	42897
880-23052-70	S-13 (3')	Total/NA	Solid	8021B	42897
880-23052-71	S-13 (4')	Total/NA	Solid	8021B	42897
880-23052-72	S-14 (0-1')	Total/NA	Solid	8021B	42897
880-23052-73	S-14 (1.5')	Total/NA	Solid	8021B	42897
880-23052-74	S-14 (2')	Total/NA	Solid	8021B	42897
880-23052-75	S-14 (3')	Total/NA	Solid	8021B	42897
880-23052-76	S-15 (0-1')	Total/NA	Solid	8021B	42897
880-23052-77	S-15 (1.5')	Total/NA	Solid	8021B	42897
880-23052-78	S-15 (2')	Total/NA	Solid	8021B	42897
880-23052-79	S-15 (3')	Total/NA	Solid	8021B	42897
880-23052-80	S-15 (4')	Total/NA	Solid	8021B	42897
MB 880-42897/5-A	Method Blank	Total/NA	Solid	8021B	42897
LCS 880-42897/1-A	Lab Control Sample	Total/NA	Solid	8021B	42897
LCSD 880-42897/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	42897
880-23052-61 MS	S-11 (1.5')	Total/NA	Solid	8021B	42897
880-23052-61 MSD	S-11 (1.5')	Total/NA	Solid	8021B	42897

GC Semi VOA

Prep Batch: 42835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23052-1	S-1 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-23052-2	S-1 (0.5')	Total/NA	Solid	8015NM Prep	
880-23052-3	S-1 (1')	Total/NA	Solid	8015NM Prep	
880-23052-4	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-23052-5	S-1 (2')	Total/NA	Solid	8015NM Prep	
880-23052-6	S-1 (3')	Total/NA	Solid	8015NM Prep	
880-23052-7	S-1 (4')	Total/NA	Solid	8015NM Prep	
880-23052-8	S-2 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-23052-9	S-2 (0.5')	Total/NA	Solid	8015NM Prep	
880-23052-10	S-2 (1')	Total/NA	Solid	8015NM Prep	
880-23052-11	S-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-23052-12	S-2 (2')	Total/NA	Solid	8015NM Prep	
880-23052-13	S-2 (3')	Total/NA	Solid	8015NM Prep	
880-23052-14	S- (4')	Total/NA	Solid	8015NM Prep	
880-23052-15	S-3 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-23052-16	S-3 (0.5')	Total/NA	Solid	8015NM Prep	
880-23052-17	S-3 (1')	Total/NA	Solid	8015NM Prep	
880-23052-18	S-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-23052-19	S-3 (2')	Total/NA	Solid	8015NM Prep	
880-23052-20	S-4 (0-0.25')	Total/NA	Solid	8015NM Prep	
MB 880-42835/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-42835/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-42835/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-23052-1 MS	S-1 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-23052-1 MSD	S-1 (0-0.25')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

GC Semi VOA

Analysis Batch: 42861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23052-21	S-4 (0.5')	Total/NA	Solid	8015B NM	42912
880-23052-22	S-4 (1')	Total/NA	Solid	8015B NM	42912
880-23052-23	S-4 (1.5')	Total/NA	Solid	8015B NM	42912
880-23052-24	S-4 (2')	Total/NA	Solid	8015B NM	42912
880-23052-26	S-5 (0.5')	Total/NA	Solid	8015B NM	42912
880-23052-27	S-5 (1')	Total/NA	Solid	8015B NM	42912
880-23052-28	S-5 (1.5')	Total/NA	Solid	8015B NM	42912
880-23052-29	S-5 (2')	Total/NA	Solid	8015B NM	42912
880-23052-30	S-5 (3')	Total/NA	Solid	8015B NM	42912
880-23052-31	S-5 (4')	Total/NA	Solid	8015B NM	42912
880-23052-32	S-5 (5')	Total/NA	Solid	8015B NM	42912
880-23052-33	S-6 (0-0.25')	Total/NA	Solid	8015B NM	42912
880-23052-34	S-6 (0.5')	Total/NA	Solid	8015B NM	42912
880-23052-35	S-7 (0-0.25')	Total/NA	Solid	8015B NM	42912
880-23052-36	S-7 (0.5')	Total/NA	Solid	8015B NM	42912
880-23052-37	S-7 (1')	Total/NA	Solid	8015B NM	42912
880-23052-38	S-7 (1.5')	Total/NA	Solid	8015B NM	42912
880-23052-39	S-7 (2')	Total/NA	Solid	8015B NM	42912
880-23052-40	S-7 (3')	Total/NA	Solid	8015B NM	42912
MB 880-42912/1-A	Method Blank	Total/NA	Solid	8015B NM	42912
LCS 880-42912/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	42912
LCSD 880-42912/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	42912
880-23052-21 MS	S-4 (0.5')	Total/NA	Solid	8015B NM	42912
880-23052-21 MSD	S-4 (0.5')	Total/NA	Solid	8015B NM	42912

Analysis Batch: 42863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23052-1	S-1 (0-0.25')	Total/NA	Solid	8015B NM	42835
880-23052-2	S-1 (0.5')	Total/NA	Solid	8015B NM	42835
880-23052-3	S-1 (1')	Total/NA	Solid	8015B NM	42835
880-23052-4	S-1 (1.5')	Total/NA	Solid	8015B NM	42835
880-23052-5	S-1 (2')	Total/NA	Solid	8015B NM	42835
880-23052-6	S-1 (3')	Total/NA	Solid	8015B NM	42835
880-23052-7	S-1 (4')	Total/NA	Solid	8015B NM	42835
880-23052-8	S-2 (0-0.25')	Total/NA	Solid	8015B NM	42835
880-23052-9	S-2 (0.5')	Total/NA	Solid	8015B NM	42835
880-23052-10	S-2 (1')	Total/NA	Solid	8015B NM	42835
880-23052-11	S-2 (1.5')	Total/NA	Solid	8015B NM	42835
880-23052-12	S-2 (2')	Total/NA	Solid	8015B NM	42835
880-23052-13	S-2 (3')	Total/NA	Solid	8015B NM	42835
880-23052-14	S- (4')	Total/NA	Solid	8015B NM	42835
880-23052-15	S-3 (0-0.25')	Total/NA	Solid	8015B NM	42835
880-23052-16	S-3 (0.5')	Total/NA	Solid	8015B NM	42835
880-23052-17	S-3 (1')	Total/NA	Solid	8015B NM	42835
880-23052-18	S-3 (1.5')	Total/NA	Solid	8015B NM	42835
880-23052-19	S-3 (2')	Total/NA	Solid	8015B NM	42835
880-23052-20	S-4 (0-0.25')	Total/NA	Solid	8015B NM	42835
880-23052-41	S-7 (4')	Total/NA	Solid	8015B NM	42913
880-23052-42	S-7 (5')	Total/NA	Solid	8015B NM	42913
880-23052-43	S-8 (0-1')	Total/NA	Solid	8015B NM	42913
880-23052-44	S-8 (1.5')	Total/NA	Solid	8015B NM	42913

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Analysis Batch: 42863 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23052-45	S-8 (2')	Total/NA	Solid	8015B NM	42913
880-23052-46	S-8 (3')	Total/NA	Solid	8015B NM	42913
880-23052-47	S-8 (4')	Total/NA	Solid	8015B NM	42913
880-23052-48	S-8 (5')	Total/NA	Solid	8015B NM	42913
880-23052-49	S-9 (0-1')	Total/NA	Solid	8015B NM	42913
880-23052-50	S-9 (1.5')	Total/NA	Solid	8015B NM	42913
880-23052-51	S-9 (2')	Total/NA	Solid	8015B NM	42913
880-23052-52	S-9 (3')	Total/NA	Solid	8015B NM	42913
880-23052-53	S-9 (4')	Total/NA	Solid	8015B NM	42913
880-23052-54	S-9 (5')	Total/NA	Solid	8015B NM	42913
880-23052-55	S-10 (0-1')	Total/NA	Solid	8015B NM	42913
880-23052-56	S-10 (1.5')	Total/NA	Solid	8015B NM	42913
880-23052-57	S-10 (2')	Total/NA	Solid	8015B NM	42913
880-23052-58	S-10 (3')	Total/NA	Solid	8015B NM	42913
880-23052-59	S-10 (4')	Total/NA	Solid	8015B NM	42913
880-23052-60	S-11 (0-1')	Total/NA	Solid	8015B NM	42913
MB 880-42835/1-A	Method Blank	Total/NA	Solid	8015B NM	42835
MB 880-42913/1-A	Method Blank	Total/NA	Solid	8015B NM	42913
LCS 880-42835/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	42835
LCS 880-42913/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	42913
LCSD 880-42835/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	42835
LCSD 880-42913/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	42913
880-23052-1 MS	S-1 (0-0.25')	Total/NA	Solid	8015B NM	42835
880-23052-1 MSD	S-1 (0-0.25')	Total/NA	Solid	8015B NM	42835
880-23052-41 MS	S-7 (4')	Total/NA	Solid	8015B NM	42913
880-23052-41 MSD	S-7 (4')	Total/NA	Solid	8015B NM	42913

Prep Batch: 42912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23052-21	S-4 (0.5')	Total/NA	Solid	8015NM Prep	
880-23052-22	S-4 (1')	Total/NA	Solid	8015NM Prep	
880-23052-23	S-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-23052-24	S-4 (2')	Total/NA	Solid	8015NM Prep	
880-23052-26	S-5 (0.5')	Total/NA	Solid	8015NM Prep	
880-23052-27	S-5 (1')	Total/NA	Solid	8015NM Prep	
880-23052-28	S-5 (1.5')	Total/NA	Solid	8015NM Prep	
880-23052-29	S-5 (2')	Total/NA	Solid	8015NM Prep	
880-23052-30	S-5 (3')	Total/NA	Solid	8015NM Prep	
880-23052-31	S-5 (4')	Total/NA	Solid	8015NM Prep	
880-23052-32	S-5 (5')	Total/NA	Solid	8015NM Prep	
880-23052-33	S-6 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-23052-34	S-6 (0.5')	Total/NA	Solid	8015NM Prep	
880-23052-35	S-7 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-23052-36	S-7 (0.5')	Total/NA	Solid	8015NM Prep	
880-23052-37	S-7 (1')	Total/NA	Solid	8015NM Prep	
880-23052-38	S-7 (1.5')	Total/NA	Solid	8015NM Prep	
880-23052-39	S-7 (2')	Total/NA	Solid	8015NM Prep	
880-23052-40	S-7 (3')	Total/NA	Solid	8015NM Prep	
MB 880-42912/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-42912/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-42912/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Prep Batch: 42912 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23052-21 MS	S-4 (0.5')	Total/NA	Solid	8015NM Prep	
880-23052-21 MSD	S-4 (0.5')	Total/NA	Solid	8015NM Prep	

Prep Batch: 42913

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23052-41	S-7 (4')	Total/NA	Solid	8015NM Prep	
880-23052-42	S-7 (5')	Total/NA	Solid	8015NM Prep	
880-23052-43	S-8 (0-1')	Total/NA	Solid	8015NM Prep	
880-23052-44	S-8 (1.5')	Total/NA	Solid	8015NM Prep	
880-23052-45	S-8 (2')	Total/NA	Solid	8015NM Prep	
880-23052-46	S-8 (3')	Total/NA	Solid	8015NM Prep	
880-23052-47	S-8 (4')	Total/NA	Solid	8015NM Prep	
880-23052-48	S-8 (5')	Total/NA	Solid	8015NM Prep	
880-23052-49	S-9 (0-1')	Total/NA	Solid	8015NM Prep	
880-23052-50	S-9 (1.5')	Total/NA	Solid	8015NM Prep	
880-23052-51	S-9 (2')	Total/NA	Solid	8015NM Prep	
880-23052-52	S-9 (3')	Total/NA	Solid	8015NM Prep	
880-23052-53	S-9 (4')	Total/NA	Solid	8015NM Prep	
880-23052-54	S-9 (5')	Total/NA	Solid	8015NM Prep	
880-23052-55	S-10 (0-1')	Total/NA	Solid	8015NM Prep	
880-23052-56	S-10 (1.5')	Total/NA	Solid	8015NM Prep	
880-23052-57	S-10 (2')	Total/NA	Solid	8015NM Prep	
880-23052-58	S-10 (3')	Total/NA	Solid	8015NM Prep	
880-23052-59	S-10 (4')	Total/NA	Solid	8015NM Prep	
880-23052-60	S-11 (0-1')	Total/NA	Solid	8015NM Prep	
MB 880-42913/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-42913/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-42913/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-23052-41 MS	S-7 (4')	Total/NA	Solid	8015NM Prep	
880-23052-41 MSD	S-7 (4')	Total/NA	Solid	8015NM Prep	

Prep Batch: 42925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23052-61	S-11 (1.5')	Total/NA	Solid	8015NM Prep	
880-23052-62	S-11 (2')	Total/NA	Solid	8015NM Prep	
880-23052-63	S-11 (3')	Total/NA	Solid	8015NM Prep	
880-23052-64	S-11 (4')	Total/NA	Solid	8015NM Prep	
880-23052-65	S-11 (5')	Total/NA	Solid	8015NM Prep	
880-23052-66	S-12 (0-1')	Total/NA	Solid	8015NM Prep	
880-23052-67	S-13 (0-1')	Total/NA	Solid	8015NM Prep	
880-23052-68	S-13 (1.5')	Total/NA	Solid	8015NM Prep	
880-23052-69	S-13 (2')	Total/NA	Solid	8015NM Prep	
880-23052-70	S-13 (3')	Total/NA	Solid	8015NM Prep	
880-23052-71	S-13 (4')	Total/NA	Solid	8015NM Prep	
880-23052-72	S-14 (0-1')	Total/NA	Solid	8015NM Prep	
880-23052-73	S-14 (1.5')	Total/NA	Solid	8015NM Prep	
880-23052-74	S-14 (2')	Total/NA	Solid	8015NM Prep	
880-23052-75	S-14 (3')	Total/NA	Solid	8015NM Prep	
880-23052-76	S-15 (0-1')	Total/NA	Solid	8015NM Prep	
880-23052-77	S-15 (1.5')	Total/NA	Solid	8015NM Prep	
880-23052-78	S-15 (2')	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Prep Batch: 42925 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23052-79	S-15 (3')	Total/NA	Solid	8015NM Prep	
880-23052-80	S-15 (4')	Total/NA	Solid	8015NM Prep	
MB 880-42925/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-42925/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-42925/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-23052-61 MS	S-11 (1.5')	Total/NA	Solid	8015NM Prep	
880-23052-61 MSD	S-11 (1.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 42932

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23052-61	S-11 (1.5')	Total/NA	Solid	8015B NM	42925
880-23052-62	S-11 (2')	Total/NA	Solid	8015B NM	42925
880-23052-63	S-11 (3')	Total/NA	Solid	8015B NM	42925
880-23052-64	S-11 (4')	Total/NA	Solid	8015B NM	42925
880-23052-65	S-11 (5')	Total/NA	Solid	8015B NM	42925
880-23052-66	S-12 (0-1')	Total/NA	Solid	8015B NM	42925
880-23052-67	S-13 (0-1')	Total/NA	Solid	8015B NM	42925
880-23052-68	S-13 (1.5')	Total/NA	Solid	8015B NM	42925
880-23052-69	S-13 (2')	Total/NA	Solid	8015B NM	42925
880-23052-70	S-13 (3')	Total/NA	Solid	8015B NM	42925
880-23052-71	S-13 (4')	Total/NA	Solid	8015B NM	42925
880-23052-72	S-14 (0-1')	Total/NA	Solid	8015B NM	42925
880-23052-73	S-14 (1.5')	Total/NA	Solid	8015B NM	42925
880-23052-74	S-14 (2')	Total/NA	Solid	8015B NM	42925
880-23052-75	S-14 (3')	Total/NA	Solid	8015B NM	42925
880-23052-76	S-15 (0-1')	Total/NA	Solid	8015B NM	42925
880-23052-77	S-15 (1.5')	Total/NA	Solid	8015B NM	42925
880-23052-78	S-15 (2')	Total/NA	Solid	8015B NM	42925
880-23052-79	S-15 (3')	Total/NA	Solid	8015B NM	42925
880-23052-80	S-15 (4')	Total/NA	Solid	8015B NM	42925
MB 880-42925/1-A	Method Blank	Total/NA	Solid	8015B NM	42925
LCS 880-42925/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	42925
LCSD 880-42925/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	42925
880-23052-61 MS	S-11 (1.5')	Total/NA	Solid	8015B NM	42925
880-23052-61 MSD	S-11 (1.5')	Total/NA	Solid	8015B NM	42925

Analysis Batch: 42935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23052-25	S-5 (0-0.25')	Total/NA	Solid	8015B NM	42995
880-23052-81	S-16 (0-1')	Total/NA	Solid	8015B NM	42995
880-23052-82	S-16 (1.5')	Total/NA	Solid	8015B NM	42995
880-23052-83	S-16 (2')	Total/NA	Solid	8015B NM	42995
880-23052-84	S-16 (3')	Total/NA	Solid	8015B NM	42995
880-23052-85	S-16 (4')	Total/NA	Solid	8015B NM	42995
880-23052-86	S-16 (5')	Total/NA	Solid	8015B NM	42995
880-23052-87	S-17 (0-1')	Total/NA	Solid	8015B NM	42995
880-23052-88	S-17 (1.5')	Total/NA	Solid	8015B NM	42995
880-23052-89	S-17 (2')	Total/NA	Solid	8015B NM	42995
880-23052-90	S-17 (3')	Total/NA	Solid	8015B NM	42995
880-23052-91	S-17 (4')	Total/NA	Solid	8015B NM	42995
880-23052-92	S-18 (0-1')	Total/NA	Solid	8015B NM	42995

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Analysis Batch: 42935 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23052-93	S-18 (1.5')	Total/NA	Solid	8015B NM	42995
880-23052-94	S-18 (2')	Total/NA	Solid	8015B NM	42995
880-23052-95	S-18 (3')	Total/NA	Solid	8015B NM	42995
MB 880-42995/1-A	Method Blank	Total/NA	Solid	8015B NM	42995
LCS 880-42995/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	42995
LCSD 880-42995/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	42995
880-23052-81 MS	S-16 (0-1')	Total/NA	Solid	8015B NM	42995
880-23052-81 MSD	S-16 (0-1')	Total/NA	Solid	8015B NM	42995

Analysis Batch: 42958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23052-1	S-1 (0-0.25')	Total/NA	Solid	8015 NM	
880-23052-2	S-1 (0.5')	Total/NA	Solid	8015 NM	
880-23052-3	S-1 (1')	Total/NA	Solid	8015 NM	
880-23052-4	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-23052-5	S-1 (2')	Total/NA	Solid	8015 NM	
880-23052-6	S-1 (3')	Total/NA	Solid	8015 NM	
880-23052-7	S-1 (4')	Total/NA	Solid	8015 NM	
880-23052-8	S-2 (0-0.25')	Total/NA	Solid	8015 NM	
880-23052-9	S-2 (0.5')	Total/NA	Solid	8015 NM	
880-23052-10	S-2 (1')	Total/NA	Solid	8015 NM	
880-23052-11	S-2 (1.5')	Total/NA	Solid	8015 NM	
880-23052-12	S-2 (2')	Total/NA	Solid	8015 NM	
880-23052-13	S-2 (3')	Total/NA	Solid	8015 NM	
880-23052-14	S- (4')	Total/NA	Solid	8015 NM	
880-23052-15	S-3 (0-0.25')	Total/NA	Solid	8015 NM	
880-23052-16	S-3 (0.5')	Total/NA	Solid	8015 NM	
880-23052-17	S-3 (1')	Total/NA	Solid	8015 NM	
880-23052-18	S-3 (1.5')	Total/NA	Solid	8015 NM	
880-23052-19	S-3 (2')	Total/NA	Solid	8015 NM	
880-23052-20	S-4 (0-0.25')	Total/NA	Solid	8015 NM	
880-23052-21	S-4 (0.5')	Total/NA	Solid	8015 NM	
880-23052-22	S-4 (1')	Total/NA	Solid	8015 NM	
880-23052-23	S-4 (1.5')	Total/NA	Solid	8015 NM	
880-23052-24	S-4 (2')	Total/NA	Solid	8015 NM	
880-23052-25	S-5 (0-0.25')	Total/NA	Solid	8015 NM	
880-23052-26	S-5 (0.5')	Total/NA	Solid	8015 NM	
880-23052-27	S-5 (1')	Total/NA	Solid	8015 NM	
880-23052-28	S-5 (1.5')	Total/NA	Solid	8015 NM	
880-23052-29	S-5 (2')	Total/NA	Solid	8015 NM	
880-23052-30	S-5 (3')	Total/NA	Solid	8015 NM	
880-23052-31	S-5 (4')	Total/NA	Solid	8015 NM	
880-23052-32	S-5 (5')	Total/NA	Solid	8015 NM	
880-23052-33	S-6 (0-0.25')	Total/NA	Solid	8015 NM	
880-23052-34	S-6 (0.5')	Total/NA	Solid	8015 NM	
880-23052-35	S-7 (0-0.25')	Total/NA	Solid	8015 NM	
880-23052-36	S-7 (0.5')	Total/NA	Solid	8015 NM	
880-23052-37	S-7 (1')	Total/NA	Solid	8015 NM	
880-23052-38	S-7 (1.5')	Total/NA	Solid	8015 NM	
880-23052-39	S-7 (2')	Total/NA	Solid	8015 NM	
880-23052-40	S-7 (3')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Analysis Batch: 42958 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23052-41	S-7 (4')	Total/NA	Solid	8015 NM	
880-23052-42	S-7 (5')	Total/NA	Solid	8015 NM	
880-23052-43	S-8 (0-1')	Total/NA	Solid	8015 NM	
880-23052-44	S-8 (1.5')	Total/NA	Solid	8015 NM	
880-23052-45	S-8 (2')	Total/NA	Solid	8015 NM	
880-23052-46	S-8 (3')	Total/NA	Solid	8015 NM	
880-23052-47	S-8 (4')	Total/NA	Solid	8015 NM	
880-23052-48	S-8 (5')	Total/NA	Solid	8015 NM	
880-23052-49	S-9 (0-1')	Total/NA	Solid	8015 NM	
880-23052-50	S-9 (1.5')	Total/NA	Solid	8015 NM	
880-23052-51	S-9 (2')	Total/NA	Solid	8015 NM	
880-23052-52	S-9 (3')	Total/NA	Solid	8015 NM	
880-23052-53	S-9 (4')	Total/NA	Solid	8015 NM	
880-23052-54	S-9 (5')	Total/NA	Solid	8015 NM	
880-23052-55	S-10 (0-1')	Total/NA	Solid	8015 NM	
880-23052-56	S-10 (1.5')	Total/NA	Solid	8015 NM	
880-23052-57	S-10 (2')	Total/NA	Solid	8015 NM	
880-23052-58	S-10 (3')	Total/NA	Solid	8015 NM	
880-23052-59	S-10 (4')	Total/NA	Solid	8015 NM	
880-23052-60	S-11 (0-1')	Total/NA	Solid	8015 NM	
880-23052-61	S-11 (1.5')	Total/NA	Solid	8015 NM	
880-23052-62	S-11 (2')	Total/NA	Solid	8015 NM	
880-23052-63	S-11 (3')	Total/NA	Solid	8015 NM	
880-23052-64	S-11 (4')	Total/NA	Solid	8015 NM	
880-23052-65	S-11 (5')	Total/NA	Solid	8015 NM	
880-23052-66	S-12 (0-1')	Total/NA	Solid	8015 NM	
880-23052-67	S-13 (0-1')	Total/NA	Solid	8015 NM	
880-23052-68	S-13 (1.5')	Total/NA	Solid	8015 NM	
880-23052-69	S-13 (2')	Total/NA	Solid	8015 NM	
880-23052-70	S-13 (3')	Total/NA	Solid	8015 NM	
880-23052-71	S-13 (4')	Total/NA	Solid	8015 NM	
880-23052-72	S-14 (0-1')	Total/NA	Solid	8015 NM	
880-23052-73	S-14 (1.5')	Total/NA	Solid	8015 NM	
880-23052-74	S-14 (2')	Total/NA	Solid	8015 NM	
880-23052-75	S-14 (3')	Total/NA	Solid	8015 NM	
880-23052-76	S-15 (0-1')	Total/NA	Solid	8015 NM	
880-23052-77	S-15 (1.5')	Total/NA	Solid	8015 NM	
880-23052-78	S-15 (2')	Total/NA	Solid	8015 NM	
880-23052-79	S-15 (3')	Total/NA	Solid	8015 NM	
880-23052-80	S-15 (4')	Total/NA	Solid	8015 NM	
880-23052-81	S-16 (0-1')	Total/NA	Solid	8015 NM	
880-23052-82	S-16 (1.5')	Total/NA	Solid	8015 NM	
880-23052-83	S-16 (2')	Total/NA	Solid	8015 NM	
880-23052-84	S-16 (3')	Total/NA	Solid	8015 NM	
880-23052-85	S-16 (4')	Total/NA	Solid	8015 NM	
880-23052-86	S-16 (5')	Total/NA	Solid	8015 NM	
880-23052-87	S-17 (0-1')	Total/NA	Solid	8015 NM	
880-23052-88	S-17 (1.5')	Total/NA	Solid	8015 NM	
880-23052-89	S-17 (2')	Total/NA	Solid	8015 NM	
880-23052-90	S-17 (3')	Total/NA	Solid	8015 NM	
880-23052-91	S-17 (4')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Analysis Batch: 42958 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23052-92	S-18 (0-1')	Total/NA	Solid	8015 NM	
880-23052-93	S-18 (1.5')	Total/NA	Solid	8015 NM	
880-23052-94	S-18 (2')	Total/NA	Solid	8015 NM	
880-23052-95	S-18 (3')	Total/NA	Solid	8015 NM	

Prep Batch: 42995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23052-25	S-5 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-23052-81	S-16 (0-1')	Total/NA	Solid	8015NM Prep	
880-23052-82	S-16 (1.5')	Total/NA	Solid	8015NM Prep	
880-23052-83	S-16 (2')	Total/NA	Solid	8015NM Prep	
880-23052-84	S-16 (3')	Total/NA	Solid	8015NM Prep	
880-23052-85	S-16 (4')	Total/NA	Solid	8015NM Prep	
880-23052-86	S-16 (5')	Total/NA	Solid	8015NM Prep	
880-23052-87	S-17 (0-1')	Total/NA	Solid	8015NM Prep	
880-23052-88	S-17 (1.5')	Total/NA	Solid	8015NM Prep	
880-23052-89	S-17 (2')	Total/NA	Solid	8015NM Prep	
880-23052-90	S-17 (3')	Total/NA	Solid	8015NM Prep	
880-23052-91	S-17 (4')	Total/NA	Solid	8015NM Prep	
880-23052-92	S-18 (0-1')	Total/NA	Solid	8015NM Prep	
880-23052-93	S-18 (1.5')	Total/NA	Solid	8015NM Prep	
880-23052-94	S-18 (2')	Total/NA	Solid	8015NM Prep	
880-23052-95	S-18 (3')	Total/NA	Solid	8015NM Prep	
MB 880-42995/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-42995/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-42995/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-23052-81 MS	S-16 (0-1')	Total/NA	Solid	8015NM Prep	
880-23052-81 MSD	S-16 (0-1')	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 42713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23052-1	S-1 (0-0.25')	Soluble	Solid	DI Leach	
880-23052-2	S-1 (0.5')	Soluble	Solid	DI Leach	
880-23052-3	S-1 (1')	Soluble	Solid	DI Leach	
880-23052-4	S-1 (1.5')	Soluble	Solid	DI Leach	
880-23052-5	S-1 (2')	Soluble	Solid	DI Leach	
880-23052-6	S-1 (3')	Soluble	Solid	DI Leach	
880-23052-7	S-1 (4')	Soluble	Solid	DI Leach	
880-23052-8	S-2 (0-0.25')	Soluble	Solid	DI Leach	
880-23052-9	S-2 (0.5')	Soluble	Solid	DI Leach	
880-23052-10	S-2 (1')	Soluble	Solid	DI Leach	
880-23052-11	S-2 (1.5')	Soluble	Solid	DI Leach	
880-23052-12	S-2 (2')	Soluble	Solid	DI Leach	
880-23052-13	S-2 (3')	Soluble	Solid	DI Leach	
880-23052-14	S- (4')	Soluble	Solid	DI Leach	
880-23052-15	S-3 (0-0.25')	Soluble	Solid	DI Leach	
MB 880-42713/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-42713/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-42713/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

HPLC/IC (Continued)

Leach Batch: 42713 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23052-6 MS	S-1 (3')	Soluble	Solid	DI Leach	
880-23052-6 MSD	S-1 (3')	Soluble	Solid	DI Leach	

Leach Batch: 42714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23052-16	S-3 (0.5')	Soluble	Solid	DI Leach	
880-23052-17	S-3 (1')	Soluble	Solid	DI Leach	
880-23052-18	S-3 (1.5')	Soluble	Solid	DI Leach	
880-23052-19	S-3 (2')	Soluble	Solid	DI Leach	
880-23052-20	S-4 (0-0.25')	Soluble	Solid	DI Leach	
880-23052-21	S-4 (0.5')	Soluble	Solid	DI Leach	
880-23052-22	S-4 (1')	Soluble	Solid	DI Leach	
880-23052-23	S-4 (1.5')	Soluble	Solid	DI Leach	
880-23052-24	S-4 (2')	Soluble	Solid	DI Leach	
880-23052-25	S-5 (0-0.25')	Soluble	Solid	DI Leach	
880-23052-26	S-5 (0.5')	Soluble	Solid	DI Leach	
880-23052-27	S-5 (1')	Soluble	Solid	DI Leach	
880-23052-28	S-5 (1.5')	Soluble	Solid	DI Leach	
880-23052-29	S-5 (2')	Soluble	Solid	DI Leach	
880-23052-30	S-5 (3')	Soluble	Solid	DI Leach	
880-23052-31	S-5 (4')	Soluble	Solid	DI Leach	
880-23052-32	S-5 (5')	Soluble	Solid	DI Leach	
880-23052-33	S-6 (0-0.25')	Soluble	Solid	DI Leach	
880-23052-34	S-6 (0.5')	Soluble	Solid	DI Leach	
880-23052-35	S-7 (0-0.25')	Soluble	Solid	DI Leach	
MB 880-42714/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-42714/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-42714/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-23052-16 MS	S-3 (0.5')	Soluble	Solid	DI Leach	
880-23052-16 MSD	S-3 (0.5')	Soluble	Solid	DI Leach	
880-23052-26 MS	S-5 (0.5')	Soluble	Solid	DI Leach	
880-23052-26 MSD	S-5 (0.5')	Soluble	Solid	DI Leach	

Leach Batch: 42715

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23052-36	S-7 (0.5')	Soluble	Solid	DI Leach	
880-23052-37	S-7 (1')	Soluble	Solid	DI Leach	
880-23052-38	S-7 (1.5')	Soluble	Solid	DI Leach	
880-23052-39	S-7 (2')	Soluble	Solid	DI Leach	
880-23052-40	S-7 (3')	Soluble	Solid	DI Leach	
880-23052-41	S-7 (4')	Soluble	Solid	DI Leach	
880-23052-42	S-7 (5')	Soluble	Solid	DI Leach	
880-23052-43	S-8 (0-1')	Soluble	Solid	DI Leach	
880-23052-44	S-8 (1.5')	Soluble	Solid	DI Leach	
880-23052-45	S-8 (2')	Soluble	Solid	DI Leach	
880-23052-46	S-8 (3')	Soluble	Solid	DI Leach	
880-23052-47	S-8 (4')	Soluble	Solid	DI Leach	
880-23052-48	S-8 (5')	Soluble	Solid	DI Leach	
880-23052-49	S-9 (0-1')	Soluble	Solid	DI Leach	
880-23052-50	S-9 (1.5')	Soluble	Solid	DI Leach	
880-23052-51	S-9 (2')	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

HPLC/IC (Continued)

Leach Batch: 42715 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23052-52	S-9 (3')	Soluble	Solid	DI Leach	
880-23052-53	S-9 (4')	Soluble	Solid	DI Leach	
880-23052-54	S-9 (5')	Soluble	Solid	DI Leach	
880-23052-55	S-10 (0-1')	Soluble	Solid	DI Leach	
MB 880-42715/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-42715/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-42715/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-23052-36 MS	S-7 (0.5')	Soluble	Solid	DI Leach	
880-23052-36 MSD	S-7 (0.5')	Soluble	Solid	DI Leach	
880-23052-46 MS	S-8 (3')	Soluble	Solid	DI Leach	
880-23052-46 MSD	S-8 (3')	Soluble	Solid	DI Leach	

Leach Batch: 42716

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23052-56	S-10 (1.5')	Soluble	Solid	DI Leach	
880-23052-57	S-10 (2')	Soluble	Solid	DI Leach	
880-23052-58	S-10 (3')	Soluble	Solid	DI Leach	
880-23052-59	S-10 (4')	Soluble	Solid	DI Leach	
880-23052-60	S-11 (0-1')	Soluble	Solid	DI Leach	
880-23052-61	S-11 (1.5')	Soluble	Solid	DI Leach	
880-23052-62	S-11 (2')	Soluble	Solid	DI Leach	
880-23052-63	S-11 (3')	Soluble	Solid	DI Leach	
880-23052-64	S-11 (4')	Soluble	Solid	DI Leach	
880-23052-65	S-11 (5')	Soluble	Solid	DI Leach	
880-23052-66	S-12 (0-1')	Soluble	Solid	DI Leach	
880-23052-67	S-13 (0-1')	Soluble	Solid	DI Leach	
880-23052-68	S-13 (1.5')	Soluble	Solid	DI Leach	
880-23052-69	S-13 (2')	Soluble	Solid	DI Leach	
880-23052-70	S-13 (3')	Soluble	Solid	DI Leach	
880-23052-71	S-13 (4')	Soluble	Solid	DI Leach	
880-23052-72	S-14 (0-1')	Soluble	Solid	DI Leach	
880-23052-73	S-14 (1.5')	Soluble	Solid	DI Leach	
880-23052-74	S-14 (2')	Soluble	Solid	DI Leach	
880-23052-75	S-14 (3')	Soluble	Solid	DI Leach	
MB 880-42716/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-42716/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-42716/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-23052-56 MS	S-10 (1.5')	Soluble	Solid	DI Leach	
880-23052-56 MSD	S-10 (1.5')	Soluble	Solid	DI Leach	
880-23052-66 MS	S-12 (0-1')	Soluble	Solid	DI Leach	
880-23052-66 MSD	S-12 (0-1')	Soluble	Solid	DI Leach	

Leach Batch: 42717

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23052-76	S-15 (0-1')	Soluble	Solid	DI Leach	
880-23052-77	S-15 (1.5')	Soluble	Solid	DI Leach	
880-23052-78	S-15 (2')	Soluble	Solid	DI Leach	
880-23052-79	S-15 (3')	Soluble	Solid	DI Leach	
880-23052-80	S-15 (4')	Soluble	Solid	DI Leach	
880-23052-81	S-16 (0-1')	Soluble	Solid	DI Leach	
880-23052-82	S-16 (1.5')	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

HPLC/IC (Continued)

Leach Batch: 42717 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23052-83	S-16 (2')	Soluble	Solid	DI Leach	
880-23052-84	S-16 (3')	Soluble	Solid	DI Leach	
880-23052-85	S-16 (4')	Soluble	Solid	DI Leach	
880-23052-86	S-16 (5')	Soluble	Solid	DI Leach	
880-23052-87	S-17 (0-1')	Soluble	Solid	DI Leach	
880-23052-88	S-17 (1.5')	Soluble	Solid	DI Leach	
880-23052-89	S-17 (2')	Soluble	Solid	DI Leach	
880-23052-90	S-17 (3')	Soluble	Solid	DI Leach	
880-23052-91	S-17 (4')	Soluble	Solid	DI Leach	
880-23052-92	S-18 (0-1')	Soluble	Solid	DI Leach	
880-23052-93	S-18 (1.5')	Soluble	Solid	DI Leach	
880-23052-94	S-18 (2')	Soluble	Solid	DI Leach	
880-23052-95	S-18 (3')	Soluble	Solid	DI Leach	
MB 880-42717/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-42717/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-42717/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-23052-76 MS	S-15 (0-1')	Soluble	Solid	DI Leach	
880-23052-76 MSD	S-15 (0-1')	Soluble	Solid	DI Leach	
880-23052-86 MS	S-16 (5')	Soluble	Solid	DI Leach	
880-23052-86 MSD	S-16 (5')	Soluble	Solid	DI Leach	

Analysis Batch: 42901

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23052-1	S-1 (0-0.25')	Soluble	Solid	300.0	42713
880-23052-2	S-1 (0.5')	Soluble	Solid	300.0	42713
880-23052-3	S-1 (1')	Soluble	Solid	300.0	42713
880-23052-4	S-1 (1.5')	Soluble	Solid	300.0	42713
880-23052-5	S-1 (2')	Soluble	Solid	300.0	42713
880-23052-6	S-1 (3')	Soluble	Solid	300.0	42713
880-23052-7	S-1 (4')	Soluble	Solid	300.0	42713
880-23052-8	S-2 (0-0.25')	Soluble	Solid	300.0	42713
880-23052-9	S-2 (0.5')	Soluble	Solid	300.0	42713
880-23052-10	S-2 (1')	Soluble	Solid	300.0	42713
880-23052-11	S-2 (1.5')	Soluble	Solid	300.0	42713
880-23052-12	S-2 (2')	Soluble	Solid	300.0	42713
880-23052-13	S-2 (3')	Soluble	Solid	300.0	42713
880-23052-14	S- (4')	Soluble	Solid	300.0	42713
880-23052-15	S-3 (0-0.25')	Soluble	Solid	300.0	42713
MB 880-42713/1-A	Method Blank	Soluble	Solid	300.0	42713
LCS 880-42713/2-A	Lab Control Sample	Soluble	Solid	300.0	42713
LCSD 880-42713/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	42713
880-23052-6 MS	S-1 (3')	Soluble	Solid	300.0	42713
880-23052-6 MSD	S-1 (3')	Soluble	Solid	300.0	42713

Analysis Batch: 42904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23052-16	S-3 (0.5')	Soluble	Solid	300.0	42714
880-23052-17	S-3 (1')	Soluble	Solid	300.0	42714
880-23052-18	S-3 (1.5')	Soluble	Solid	300.0	42714
880-23052-19	S-3 (2')	Soluble	Solid	300.0	42714
880-23052-20	S-4 (0-0.25')	Soluble	Solid	300.0	42714

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QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

HPLC/IC (Continued)

Analysis Batch: 42904 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23052-21	S-4 (0.5')	Soluble	Solid	300.0	42714
880-23052-22	S-4 (1')	Soluble	Solid	300.0	42714
880-23052-23	S-4 (1.5')	Soluble	Solid	300.0	42714
880-23052-24	S-4 (2')	Soluble	Solid	300.0	42714
880-23052-25	S-5 (0-0.25')	Soluble	Solid	300.0	42714
880-23052-26	S-5 (0.5')	Soluble	Solid	300.0	42714
880-23052-27	S-5 (1')	Soluble	Solid	300.0	42714
880-23052-28	S-5 (1.5')	Soluble	Solid	300.0	42714
880-23052-29	S-5 (2')	Soluble	Solid	300.0	42714
880-23052-30	S-5 (3')	Soluble	Solid	300.0	42714
880-23052-31	S-5 (4')	Soluble	Solid	300.0	42714
880-23052-32	S-5 (5')	Soluble	Solid	300.0	42714
880-23052-33	S-6 (0-0.25')	Soluble	Solid	300.0	42714
880-23052-34	S-6 (0.5')	Soluble	Solid	300.0	42714
880-23052-35	S-7 (0-0.25')	Soluble	Solid	300.0	42714
MB 880-42714/1-A	Method Blank	Soluble	Solid	300.0	42714
LCS 880-42714/2-A	Lab Control Sample	Soluble	Solid	300.0	42714
LCSD 880-42714/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	42714
880-23052-16 MS	S-3 (0.5')	Soluble	Solid	300.0	42714
880-23052-16 MSD	S-3 (0.5')	Soluble	Solid	300.0	42714
880-23052-26 MS	S-5 (0.5')	Soluble	Solid	300.0	42714
880-23052-26 MSD	S-5 (0.5')	Soluble	Solid	300.0	42714

Analysis Batch: 42905

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23052-36	S-7 (0.5')	Soluble	Solid	300.0	42715
880-23052-37	S-7 (1')	Soluble	Solid	300.0	42715
880-23052-38	S-7 (1.5')	Soluble	Solid	300.0	42715
880-23052-39	S-7 (2')	Soluble	Solid	300.0	42715
880-23052-40	S-7 (3')	Soluble	Solid	300.0	42715
880-23052-41	S-7 (4')	Soluble	Solid	300.0	42715
880-23052-42	S-7 (5')	Soluble	Solid	300.0	42715
880-23052-43	S-8 (0-1')	Soluble	Solid	300.0	42715
880-23052-44	S-8 (1.5')	Soluble	Solid	300.0	42715
880-23052-45	S-8 (2')	Soluble	Solid	300.0	42715
880-23052-46	S-8 (3')	Soluble	Solid	300.0	42715
880-23052-47	S-8 (4')	Soluble	Solid	300.0	42715
880-23052-48	S-8 (5')	Soluble	Solid	300.0	42715
880-23052-49	S-9 (0-1')	Soluble	Solid	300.0	42715
880-23052-50	S-9 (1.5')	Soluble	Solid	300.0	42715
880-23052-51	S-9 (2')	Soluble	Solid	300.0	42715
880-23052-52	S-9 (3')	Soluble	Solid	300.0	42715
880-23052-53	S-9 (4')	Soluble	Solid	300.0	42715
880-23052-54	S-9 (5')	Soluble	Solid	300.0	42715
880-23052-55	S-10 (0-1')	Soluble	Solid	300.0	42715
MB 880-42715/1-A	Method Blank	Soluble	Solid	300.0	42715
LCS 880-42715/2-A	Lab Control Sample	Soluble	Solid	300.0	42715
LCSD 880-42715/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	42715
880-23052-36 MS	S-7 (0.5')	Soluble	Solid	300.0	42715
880-23052-36 MSD	S-7 (0.5')	Soluble	Solid	300.0	42715
880-23052-46 MS	S-8 (3')	Soluble	Solid	300.0	42715

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QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

HPLC/IC (Continued)

Analysis Batch: 42905 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23052-46 MSD	S-8 (3')	Soluble	Solid	300.0	42715

Analysis Batch: 42906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23052-56	S-10 (1.5')	Soluble	Solid	300.0	42716
880-23052-57	S-10 (2')	Soluble	Solid	300.0	42716
880-23052-58	S-10 (3')	Soluble	Solid	300.0	42716
880-23052-59	S-10 (4')	Soluble	Solid	300.0	42716
880-23052-60	S-11 (0-1')	Soluble	Solid	300.0	42716
880-23052-61	S-11 (1.5')	Soluble	Solid	300.0	42716
880-23052-62	S-11 (2')	Soluble	Solid	300.0	42716
880-23052-63	S-11 (3')	Soluble	Solid	300.0	42716
880-23052-64	S-11 (4')	Soluble	Solid	300.0	42716
880-23052-65	S-11 (5')	Soluble	Solid	300.0	42716
880-23052-66	S-12 (0-1')	Soluble	Solid	300.0	42716
880-23052-67	S-13 (0-1')	Soluble	Solid	300.0	42716
880-23052-68	S-13 (1.5')	Soluble	Solid	300.0	42716
880-23052-69	S-13 (2')	Soluble	Solid	300.0	42716
880-23052-70	S-13 (3')	Soluble	Solid	300.0	42716
880-23052-71	S-13 (4')	Soluble	Solid	300.0	42716
880-23052-72	S-14 (0-1')	Soluble	Solid	300.0	42716
880-23052-73	S-14 (1.5')	Soluble	Solid	300.0	42716
880-23052-74	S-14 (2')	Soluble	Solid	300.0	42716
880-23052-75	S-14 (3')	Soluble	Solid	300.0	42716
MB 880-42716/1-A	Method Blank	Soluble	Solid	300.0	42716
LCS 880-42716/2-A	Lab Control Sample	Soluble	Solid	300.0	42716
LCSD 880-42716/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	42716
880-23052-56 MS	S-10 (1.5')	Soluble	Solid	300.0	42716
880-23052-56 MSD	S-10 (1.5')	Soluble	Solid	300.0	42716
880-23052-66 MS	S-12 (0-1')	Soluble	Solid	300.0	42716
880-23052-66 MSD	S-12 (0-1')	Soluble	Solid	300.0	42716

Analysis Batch: 42907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23052-76	S-15 (0-1')	Soluble	Solid	300.0	42717
880-23052-77	S-15 (1.5')	Soluble	Solid	300.0	42717
880-23052-78	S-15 (2')	Soluble	Solid	300.0	42717
880-23052-79	S-15 (3')	Soluble	Solid	300.0	42717
880-23052-80	S-15 (4')	Soluble	Solid	300.0	42717
880-23052-81	S-16 (0-1')	Soluble	Solid	300.0	42717
880-23052-82	S-16 (1.5')	Soluble	Solid	300.0	42717
880-23052-83	S-16 (2')	Soluble	Solid	300.0	42717
880-23052-84	S-16 (3')	Soluble	Solid	300.0	42717
880-23052-85	S-16 (4')	Soluble	Solid	300.0	42717
880-23052-86	S-16 (5')	Soluble	Solid	300.0	42717
880-23052-87	S-17 (0-1')	Soluble	Solid	300.0	42717
880-23052-88	S-17 (1.5')	Soluble	Solid	300.0	42717
880-23052-89	S-17 (2')	Soluble	Solid	300.0	42717
880-23052-90	S-17 (3')	Soluble	Solid	300.0	42717
880-23052-91	S-17 (4')	Soluble	Solid	300.0	42717
880-23052-92	S-18 (0-1')	Soluble	Solid	300.0	42717

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QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

HPLC/IC (Continued)

Analysis Batch: 42907 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23052-93	S-18 (1.5')	Soluble	Solid	300.0	42717
880-23052-94	S-18 (2')	Soluble	Solid	300.0	42717
880-23052-95	S-18 (3')	Soluble	Solid	300.0	42717
MB 880-42717/1-A	Method Blank	Soluble	Solid	300.0	42717
LCS 880-42717/2-A	Lab Control Sample	Soluble	Solid	300.0	42717
LCSD 880-42717/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	42717
880-23052-76 MS	S-15 (0-1')	Soluble	Solid	300.0	42717
880-23052-76 MSD	S-15 (0-1')	Soluble	Solid	300.0	42717
880-23052-86 MS	S-16 (5')	Soluble	Solid	300.0	42717
880-23052-86 MSD	S-16 (5')	Soluble	Solid	300.0	42717

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-1 (0-0.25')

Lab Sample ID: 880-23052-1

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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	42894	12/29/22 13:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42933	12/31/22 02:09	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			43012	12/31/22 10:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	42835	12/29/22 08:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42863	12/29/22 14:37	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	42713	12/27/22 13:29	KS	EET MID
Soluble	Analysis	300.0		5			42901	12/30/22 16:37	CH	EET MID

Client Sample ID: S-1 (0.5')

Lab Sample ID: 880-23052-2

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

Prep 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	42894	12/29/22 13:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42933	12/31/22 02:29	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			43012	12/31/22 10:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42835	12/29/22 08:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42863	12/29/22 15:41	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	42713	12/27/22 13:29	KS	EET MID
Soluble	Analysis	300.0		5			42901	12/30/22 16:46	CH	EET MID

Client Sample ID: S-1 (1')

Lab Sample ID: 880-23052-3

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

Prep 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	42894	12/29/22 13:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42933	12/31/22 02:50	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			43012	12/31/22 10:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42835	12/29/22 08:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42863	12/29/22 16:01	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	42713	12/27/22 13:29	KS	EET MID
Soluble	Analysis	300.0		5			42901	12/30/22 16:55	CH	EET MID

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-23052-4

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

Prep 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	42894	12/29/22 13:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42933	12/31/22 03:10	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			43012	12/31/22 10:38	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-23052-4

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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			42958	12/30/22 12:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	42835	12/29/22 08:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42863	12/29/22 16:21	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	42713	12/27/22 13:29	KS	EET MID
Soluble	Analysis	300.0		5			42901	12/30/22 17:04	CH	EET MID

Client Sample ID: S-1 (2')

Lab Sample ID: 880-23052-5

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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	42894	12/29/22 13:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42933	12/31/22 03:31	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			43012	12/31/22 10:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	42835	12/29/22 08:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42863	12/29/22 16:42	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	42713	12/27/22 13:29	KS	EET MID
Soluble	Analysis	300.0		5			42901	12/30/22 17:12	CH	EET MID

Client Sample ID: S-1 (3')

Lab Sample ID: 880-23052-6

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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	42894	12/29/22 13:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42933	12/31/22 03:52	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			43012	12/31/22 10:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42835	12/29/22 08:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42863	12/29/22 17:04	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	42713	12/27/22 13:29	KS	EET MID
Soluble	Analysis	300.0		1			42901	12/30/22 17:21	CH	EET MID

Client Sample ID: S-1 (4')

Lab Sample ID: 880-23052-7

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

Prep 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	42894	12/29/22 13:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42933	12/31/22 04:12	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			43012	12/31/22 10:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42835	12/29/22 08:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42863	12/29/22 17:25	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-1 (4')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	42713	12/27/22 13:29	KS	EET MID
Soluble	Analysis	300.0		1			42901	12/30/22 17:47	CH	EET MID

Client Sample ID: S-2 (0-0.25')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	42894	12/29/22 13:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42933	12/31/22 04:33	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			43012	12/31/22 10:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42835	12/29/22 08:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42863	12/29/22 17:46	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	42713	12/27/22 13:29	KS	EET MID
Soluble	Analysis	300.0		5			42901	12/30/22 17:56	CH	EET MID

Client Sample ID: S-2 (0.5')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	42894	12/29/22 13:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42933	12/31/22 04:53	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			43012	12/31/22 10:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42835	12/29/22 08:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42863	12/29/22 18:08	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	42713	12/27/22 13:29	KS	EET MID
Soluble	Analysis	300.0		5			42901	12/30/22 18:22	CH	EET MID

Client Sample ID: S-2 (1')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	42894	12/29/22 13:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42933	12/31/22 05:14	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			43012	12/31/22 10:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42835	12/29/22 08:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42863	12/29/22 18:29	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	42713	12/27/22 13:29	KS	EET MID
Soluble	Analysis	300.0		1			42901	12/30/22 18:31	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-2 (1.5')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	42894	12/29/22 13:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42933	12/31/22 07:04	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			43012	12/31/22 10:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42835	12/29/22 08:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42863	12/29/22 19:13	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	42713	12/27/22 13:29	KS	EET MID
Soluble	Analysis	300.0		1			42901	12/30/22 18:40	CH	EET MID

Client Sample ID: S-2 (2')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	42894	12/29/22 13:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42933	12/31/22 07:24	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			43012	12/31/22 10:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42835	12/29/22 08:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42863	12/29/22 19:34	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	42713	12/27/22 13:29	KS	EET MID
Soluble	Analysis	300.0		1			42901	12/30/22 18:48	CH	EET MID

Client Sample ID: S-2 (3')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	42894	12/29/22 13:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42933	12/31/22 07:45	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			43012	12/31/22 10:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42835	12/29/22 08:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42863	12/29/22 19:56	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	42713	12/27/22 13:29	KS	EET MID
Soluble	Analysis	300.0		1			42901	12/30/22 18:57	CH	EET MID

Client Sample ID: S- (4')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	42894	12/29/22 13:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42933	12/31/22 08:05	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			43012	12/31/22 10:38	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S- (4')

Lab Sample ID: 880-23052-14

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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			42958	12/30/22 12:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42835	12/29/22 08:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42863	12/29/22 20:17	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	42713	12/27/22 13:29	KS	EET MID
Soluble	Analysis	300.0		1			42901	12/30/22 19:06	CH	EET MID

Client Sample ID: S-3 (0-0.25')

Lab Sample ID: 880-23052-15

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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	42894	12/29/22 13:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42933	12/31/22 08:26	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			43012	12/31/22 10:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42835	12/29/22 08:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42863	12/29/22 20:38	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	42713	12/27/22 13:29	KS	EET MID
Soluble	Analysis	300.0		10			42901	12/30/22 19:14	CH	EET MID

Client Sample ID: S-3 (0.5')

Lab Sample ID: 880-23052-16

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

Prep 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	42894	12/29/22 13:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42933	12/31/22 08:46	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			43012	12/31/22 10:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42835	12/29/22 08:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42863	12/29/22 20:59	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	42714	12/27/22 13:30	KS	EET MID
Soluble	Analysis	300.0		5			42904	12/30/22 15:38	CH	EET MID

Client Sample ID: S-3 (1')

Lab Sample ID: 880-23052-17

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

Prep 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	42894	12/29/22 13:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42933	12/31/22 09:07	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			43012	12/31/22 10:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42835	12/29/22 08:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42863	12/29/22 21:21	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-3 (1')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	42714	12/27/22 13:30	KS	EET MID
Soluble	Analysis	300.0		5			42904	12/30/22 16:16	CH	EET MID

Client Sample ID: S-3 (1.5')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-18

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	42894	12/29/22 13:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42933	12/31/22 09:27	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			43012	12/31/22 10:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42835	12/29/22 08:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42863	12/29/22 21:44	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	42714	12/27/22 13:30	KS	EET MID
Soluble	Analysis	300.0		1			42904	12/30/22 16:21	CH	EET MID

Client Sample ID: S-3 (2')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-19

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	42894	12/29/22 13:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42933	12/31/22 09:48	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			43012	12/31/22 10:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	42835	12/29/22 08:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42863	12/29/22 22:06	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	42714	12/27/22 13:30	KS	EET MID
Soluble	Analysis	300.0		1			42904	12/30/22 16:25	CH	EET MID

Client Sample ID: S-4 (0-0.25')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	42894	12/29/22 13:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42933	12/31/22 10:08	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			43012	12/31/22 10:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42835	12/29/22 08:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42863	12/29/22 22:27	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	42714	12/27/22 13:30	KS	EET MID
Soluble	Analysis	300.0		10			42904	12/30/22 16:30	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-4 (0.5')**Lab Sample ID: 880-23052-21****Date Collected: 12/21/22 00:00****Matrix: Solid****Date Received: 12/22/22 13:34**

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	42895	12/29/22 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42922	12/31/22 16:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:45	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	42912	12/29/22 16:07	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42861	12/30/22 00:14	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	42714	12/27/22 13:30	KS	EET MID
Soluble	Analysis	300.0		10			42904	12/30/22 16:44	CH	EET MID

Client Sample ID: S-4 (1')**Lab Sample ID: 880-23052-22****Date Collected: 12/21/22 00:00****Matrix: Solid****Date Received: 12/22/22 13:34**

Prep 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	42895	12/29/22 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42922	12/31/22 16:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:45	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42912	12/29/22 16:07	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42861	12/30/22 01:17	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	42714	12/27/22 13:30	KS	EET MID
Soluble	Analysis	300.0		5			42904	12/30/22 16:49	CH	EET MID

Client Sample ID: S-4 (1.5')**Lab Sample ID: 880-23052-23****Date Collected: 12/21/22 00:00****Matrix: Solid****Date Received: 12/22/22 13:34**

Prep 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	42895	12/29/22 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42922	12/31/22 17:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:45	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42912	12/29/22 16:07	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42861	12/30/22 01:39	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	42714	12/27/22 13:30	KS	EET MID
Soluble	Analysis	300.0		1			42904	12/30/22 16:53	CH	EET MID

Client Sample ID: S-4 (2')**Lab Sample ID: 880-23052-24****Date Collected: 12/21/22 00:00****Matrix: Solid****Date Received: 12/22/22 13:34**

Prep 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	42895	12/29/22 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42922	12/31/22 17:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:45	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-4 (2')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-24

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	42912	12/29/22 16:07	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42861	12/30/22 02:00	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	42714	12/27/22 13:30	KS	EET MID
Soluble	Analysis	300.0		1			42904	12/30/22 16:58	CH	EET MID

Client Sample ID: S-5 (0-0.25')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-25

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	42895	12/29/22 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42922	12/31/22 18:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:45	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	01/03/23 11:01	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42995	12/30/22 15:02	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42935	12/31/22 10:34	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	42714	12/27/22 13:30	KS	EET MID
Soluble	Analysis	300.0		10			42904	12/30/22 17:03	CH	EET MID

Client Sample ID: S-5 (0.5')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-26

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	42895	12/29/22 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42922	12/31/22 18:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:45	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42912	12/29/22 16:07	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42861	12/30/22 02:43	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	42714	12/27/22 13:30	KS	EET MID
Soluble	Analysis	300.0		10			42904	12/30/22 17:08	CH	EET MID

Client Sample ID: S-5 (1')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-27

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	42895	12/29/22 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42922	12/31/22 19:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:45	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42912	12/29/22 16:07	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42861	12/30/22 03:05	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-5 (1')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-27

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	42714	12/27/22 13:30	KS	EET MID
Soluble	Analysis	300.0		1			42904	12/30/22 17:22	CH	EET MID

Client Sample ID: S-5 (1.5')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-28

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	42895	12/29/22 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42922	12/31/22 19:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:45	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42912	12/29/22 16:07	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42861	12/30/22 03:27	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	42714	12/27/22 13:30	KS	EET MID
Soluble	Analysis	300.0		10			42904	12/30/22 17:26	CH	EET MID

Client Sample ID: S-5 (2')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-29

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	42895	12/29/22 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42922	12/31/22 20:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:45	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42912	12/29/22 16:07	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42861	12/30/22 03:46	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	42714	12/27/22 13:30	KS	EET MID
Soluble	Analysis	300.0		1			42904	12/30/22 17:40	CH	EET MID

Client Sample ID: S-5 (3')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-30

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	42895	12/29/22 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42922	12/31/22 20:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:45	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42912	12/29/22 16:07	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42861	12/30/22 04:54	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	42714	12/27/22 13:30	KS	EET MID
Soluble	Analysis	300.0		5			42904	12/30/22 17:45	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-5 (4')

Lab Sample ID: 880-23052-31

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

Prep 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	42895	12/29/22 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42922	12/31/22 22:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:45	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42912	12/29/22 16:07	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42861	12/30/22 05:38	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	42714	12/27/22 13:30	KS	EET MID
Soluble	Analysis	300.0		5			42904	12/30/22 17:50	CH	EET MID

Client Sample ID: S-5 (5')

Lab Sample ID: 880-23052-32

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

Prep 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	42895	12/29/22 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42922	12/31/22 22:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:45	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42912	12/29/22 16:07	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42861	12/30/22 05:59	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	42714	12/27/22 13:30	KS	EET MID
Soluble	Analysis	300.0		5			42904	12/30/22 17:55	CH	EET MID

Client Sample ID: S-6 (0-0.25')

Lab Sample ID: 880-23052-33

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

Prep 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	42895	12/29/22 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42922	12/31/22 23:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:45	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42912	12/29/22 16:07	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42861	12/30/22 06:21	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	42714	12/27/22 13:30	KS	EET MID
Soluble	Analysis	300.0		20			42904	12/30/22 17:59	CH	EET MID

Client Sample ID: S-6 (0.5')

Lab Sample ID: 880-23052-34

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

Prep 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	42895	12/29/22 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42922	12/31/22 23:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:45	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-6 (0.5')

Lab Sample ID: 880-23052-34

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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			42958	12/30/22 12:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42912	12/29/22 16:07	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42861	12/30/22 06:42	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	42714	12/27/22 13:30	KS	EET MID
Soluble	Analysis	300.0		20			42904	12/30/22 18:04	CH	EET MID

Client Sample ID: S-7 (0-0.25')

Lab Sample ID: 880-23052-35

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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	42895	12/29/22 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42922	01/01/23 00:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:45	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42912	12/29/22 16:07	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42861	12/30/22 07:04	AJ	EET MID
Soluble	Leach	DI Leach			495 g	50 mL	42714	12/27/22 13:30	KS	EET MID
Soluble	Analysis	300.0		20			42904	12/30/22 18:09	CH	EET MID

Client Sample ID: S-7 (0.5')

Lab Sample ID: 880-23052-36

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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	42895	12/29/22 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42922	01/01/23 00:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:45	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42912	12/29/22 16:07	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42861	12/30/22 07:27	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	42715	12/27/22 13:31	KS	EET MID
Soluble	Analysis	300.0		20			42905	12/31/22 01:56	CH	EET MID

Client Sample ID: S-7 (1')

Lab Sample ID: 880-23052-37

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

Prep 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	42895	12/29/22 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42922	01/01/23 00:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:45	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42912	12/29/22 16:07	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42861	12/30/22 07:50	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-7 (1')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-37

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	42715	12/27/22 13:31	KS	EET MID
Soluble	Analysis	300.0		10			42905	12/31/22 02:22	CH	EET MID

Client Sample ID: S-7 (1.5')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-38

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	42895	12/29/22 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42922	01/01/23 01:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:45	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42912	12/29/22 16:07	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42861	12/30/22 08:11	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	42715	12/27/22 13:31	KS	EET MID
Soluble	Analysis	300.0		10			42905	12/31/22 02:31	CH	EET MID

Client Sample ID: S-7 (2')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-39

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	42895	12/29/22 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42922	01/01/23 01:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:45	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	42912	12/29/22 16:07	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42861	12/30/22 08:33	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	42715	12/27/22 13:31	KS	EET MID
Soluble	Analysis	300.0		10			42905	12/31/22 07:32	CH	EET MID

Client Sample ID: S-7 (3')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-40

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	42895	12/29/22 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42922	01/01/23 02:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:45	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42912	12/29/22 16:07	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42861	12/30/22 08:54	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	42715	12/27/22 13:31	KS	EET MID
Soluble	Analysis	300.0		1			42905	12/31/22 07:40	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-7 (4')

Lab Sample ID: 880-23052-41

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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	42896	12/29/22 13:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42924	12/31/22 10:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	42913	12/29/22 16:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42863	12/30/22 00:14	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	42715	12/27/22 13:31	KS	EET MID
Soluble	Analysis	300.0		5			42905	12/31/22 08:06	CH	EET MID

Client Sample ID: S-7 (5')

Lab Sample ID: 880-23052-42

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

Prep 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	42896	12/29/22 13:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42924	12/31/22 10:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42913	12/29/22 16:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42863	12/30/22 01:17	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	42715	12/27/22 13:31	KS	EET MID
Soluble	Analysis	300.0		5			42905	12/31/22 08:15	CH	EET MID

Client Sample ID: S-8 (0-1')

Lab Sample ID: 880-23052-43

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

Prep 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	42896	12/29/22 13:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42924	12/31/22 10:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42913	12/29/22 16:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42863	12/30/22 01:39	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	42715	12/27/22 13:31	KS	EET MID
Soluble	Analysis	300.0		10			42905	12/31/22 08:24	CH	EET MID

Client Sample ID: S-8 (1.5')

Lab Sample ID: 880-23052-44

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

Prep 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	42896	12/29/22 13:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42924	12/31/22 11:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:50	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-8 (1.5')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-44

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	42913	12/29/22 16:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42863	12/30/22 02:00	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	42715	12/27/22 13:31	KS	EET MID
Soluble	Analysis	300.0		10			42905	12/31/22 08:33	CH	EET MID

Client Sample ID: S-8 (2')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-45

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	42896	12/29/22 13:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42924	12/31/22 11:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	42913	12/29/22 16:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42863	12/30/22 02:22	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	42715	12/27/22 13:31	KS	EET MID
Soluble	Analysis	300.0		10			42905	12/31/22 08:41	CH	EET MID

Client Sample ID: S-8 (3')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-46

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	42896	12/29/22 13:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42924	12/31/22 11:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42913	12/29/22 16:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42863	12/30/22 02:43	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	42715	12/27/22 13:31	KS	EET MID
Soluble	Analysis	300.0		5			42905	12/31/22 08:50	CH	EET MID

Client Sample ID: S-8 (4')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-47

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	42896	12/29/22 13:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42924	12/31/22 12:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42913	12/29/22 16:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42863	12/30/22 03:05	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-8 (4')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-47

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	42715	12/27/22 13:31	KS	EET MID
Soluble	Analysis	300.0		1			42905	12/31/22 09:16	CH	EET MID

Client Sample ID: S-8 (5')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-48

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	42896	12/29/22 13:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42924	12/31/22 12:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42913	12/29/22 16:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42863	12/30/22 03:27	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	42715	12/27/22 13:31	KS	EET MID
Soluble	Analysis	300.0		5			42905	12/31/22 09:25	CH	EET MID

Client Sample ID: S-9 (0-1')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-49

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	42896	12/29/22 13:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42924	12/31/22 12:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42913	12/29/22 16:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42863	12/30/22 03:46	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	42715	12/27/22 13:31	KS	EET MID
Soluble	Analysis	300.0		10			42905	12/31/22 09:51	CH	EET MID

Client Sample ID: S-9 (1.5')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-50

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	42896	12/29/22 13:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42924	12/31/22 13:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42913	12/29/22 16:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42863	12/30/22 04:54	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	42715	12/27/22 13:31	KS	EET MID
Soluble	Analysis	300.0		1			42905	12/31/22 10:00	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-9 (2')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-51

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	42896	12/29/22 13:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42924	12/31/22 14:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42913	12/29/22 16:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42863	12/30/22 05:38	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	42715	12/27/22 13:31	KS	EET MID
Soluble	Analysis	300.0		1			42905	12/31/22 10:08	CH	EET MID

Client Sample ID: S-9 (3')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-52

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	42896	12/29/22 13:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42924	12/31/22 15:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42913	12/29/22 16:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42863	12/30/22 05:59	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	42715	12/27/22 13:31	KS	EET MID
Soluble	Analysis	300.0		1			42905	12/31/22 10:17	CH	EET MID

Client Sample ID: S-9 (4')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-53

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	42896	12/29/22 13:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42924	12/31/22 15:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	42913	12/29/22 16:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42863	12/30/22 06:21	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	42715	12/27/22 13:31	KS	EET MID
Soluble	Analysis	300.0		1			42905	12/31/22 10:26	CH	EET MID

Client Sample ID: S-9 (5')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-54

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	42896	12/29/22 13:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42924	12/31/22 15:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:50	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-9 (5')

Lab Sample ID: 880-23052-54

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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			42958	12/30/22 12:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	42913	12/29/22 16:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42863	12/30/22 06:42	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	42715	12/27/22 13:31	KS	EET MID
Soluble	Analysis	300.0		1			42905	12/31/22 10:35	CH	EET MID

Client Sample ID: S-10 (0-1')

Lab Sample ID: 880-23052-55

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

Prep 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	42896	12/29/22 13:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42924	12/31/22 16:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42913	12/29/22 16:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42863	12/30/22 07:04	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	42715	12/27/22 13:31	KS	EET MID
Soluble	Analysis	300.0		10			42905	12/31/22 10:43	CH	EET MID

Client Sample ID: S-10 (1.5')

Lab Sample ID: 880-23052-56

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

Prep 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	42896	12/29/22 13:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42924	12/31/22 16:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42913	12/29/22 16:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42863	12/30/22 07:27	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	42716	12/27/22 13:32	KS	EET MID
Soluble	Analysis	300.0		5			42906	12/31/22 11:53	CH	EET MID

Client Sample ID: S-10 (2')

Lab Sample ID: 880-23052-57

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

Prep 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	42896	12/29/22 13:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42924	12/31/22 16:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42913	12/29/22 16:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42863	12/30/22 07:50	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-10 (2')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-57

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	42716	12/27/22 13:32	KS	EET MID
Soluble	Analysis	300.0		5			42906	12/31/22 12:20	CH	EET MID

Client Sample ID: S-10 (3')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-58

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	42896	12/29/22 13:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42924	12/31/22 17:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42913	12/29/22 16:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42863	12/30/22 08:11	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	42716	12/27/22 13:32	KS	EET MID
Soluble	Analysis	300.0		5			42906	12/31/22 12:28	CH	EET MID

Client Sample ID: S-10 (4')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-59

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	42896	12/29/22 13:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42924	12/31/22 17:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	42913	12/29/22 16:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42863	12/30/22 08:33	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	42716	12/27/22 13:32	KS	EET MID
Soluble	Analysis	300.0		5			42906	12/31/22 12:37	CH	EET MID

Client Sample ID: S-11 (0-1')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-60

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	42896	12/29/22 13:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42924	12/31/22 17:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	12/30/22 12:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42913	12/29/22 16:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42863	12/30/22 08:54	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	42716	12/27/22 13:32	KS	EET MID
Soluble	Analysis	300.0		10			42906	12/31/22 12:46	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-11 (1.5')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-61

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	42897	12/29/22 13:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43043	01/03/23 13:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/04/23 09:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	01/03/23 09:28	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	42925	12/30/22 08:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42932	12/30/22 12:48	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	42716	12/27/22 13:32	KS	EET MID
Soluble	Analysis	300.0		10			42906	12/31/22 13:12	CH	EET MID

Client Sample ID: S-11 (2')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-62

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	42897	12/29/22 13:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43043	01/03/23 13:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/04/23 09:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	01/03/23 09:28	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42925	12/30/22 08:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42932	12/30/22 13:53	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	42716	12/27/22 13:32	KS	EET MID
Soluble	Analysis	300.0		10			42906	12/31/22 13:21	CH	EET MID

Client Sample ID: S-11 (3')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-63

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	42897	12/29/22 13:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43043	01/03/23 13:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/04/23 09:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	01/03/23 09:28	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42925	12/30/22 08:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42932	12/30/22 14:15	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	42716	12/27/22 13:32	KS	EET MID
Soluble	Analysis	300.0		10			42906	12/31/22 13:30	CH	EET MID

Client Sample ID: S-11 (4')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-64

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	42897	12/29/22 13:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43043	01/03/23 14:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/04/23 09:46	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-11 (4')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-64

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			42958	01/03/23 09:28	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	42925	12/30/22 08:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42932	12/30/22 14:37	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	42716	12/27/22 13:32	KS	EET MID
Soluble	Analysis	300.0		5			42906	12/31/22 13:38	CH	EET MID

Client Sample ID: S-11 (5')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-65

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	42897	12/29/22 13:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43043	01/03/23 14:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/04/23 09:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	01/03/23 09:28	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	42925	12/30/22 08:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42932	12/30/22 14:59	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	42716	12/27/22 13:32	KS	EET MID
Soluble	Analysis	300.0		1			42906	12/31/22 13:47	CH	EET MID

Client Sample ID: S-12 (0-1')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-66

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	42897	12/29/22 13:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43043	01/03/23 15:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/04/23 09:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	01/03/23 09:28	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42925	12/30/22 08:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42932	12/30/22 15:22	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	42716	12/27/22 13:32	KS	EET MID
Soluble	Analysis	300.0		1			42906	12/31/22 13:56	CH	EET MID

Client Sample ID: S-13 (0-1')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-67

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	42897	12/29/22 13:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43043	01/03/23 15:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/04/23 09:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	01/03/23 09:28	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42925	12/30/22 08:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42932	12/30/22 15:44	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-13 (0-1')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-67

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	42716	12/27/22 13:33	KS	EET MID
Soluble	Analysis	300.0		10			42906	12/31/22 14:22	CH	EET MID

Client Sample ID: S-13 (1.5')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-68

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	42897	12/29/22 13:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43043	01/03/23 16:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/04/23 09:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	01/03/23 09:28	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42925	12/30/22 08:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42932	12/30/22 16:49	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	42716	12/27/22 13:33	KS	EET MID
Soluble	Analysis	300.0		5			42906	12/31/22 14:31	CH	EET MID

Client Sample ID: S-13 (2')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-69

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	42897	12/29/22 13:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43043	01/03/23 16:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/04/23 09:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	01/03/23 09:28	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42925	12/30/22 08:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42932	12/30/22 17:10	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	42716	12/27/22 13:33	KS	EET MID
Soluble	Analysis	300.0		5			42906	12/31/22 14:57	CH	EET MID

Client Sample ID: S-13 (3')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-70

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	42897	12/29/22 13:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43043	01/03/23 16:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/04/23 09:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	01/03/23 09:28	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42925	12/30/22 08:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42932	12/30/22 17:37	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	42716	12/27/22 13:33	KS	EET MID
Soluble	Analysis	300.0		1			42906	12/31/22 15:05	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-13 (4')

Lab Sample ID: 880-23052-71

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

Prep 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	42897	12/29/22 13:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43043	01/03/23 18:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/04/23 09:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	01/03/23 09:28	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42925	12/30/22 08:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42932	12/30/22 18:21	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	42716	12/27/22 13:33	KS	EET MID
Soluble	Analysis	300.0		1			42906	12/31/22 15:14	CH	EET MID

Client Sample ID: S-14 (0-1')

Lab Sample ID: 880-23052-72

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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	42897	12/29/22 13:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43043	01/03/23 19:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/04/23 09:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	01/03/23 09:28	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42925	12/30/22 08:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42932	12/30/22 18:43	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	42716	12/27/22 13:33	KS	EET MID
Soluble	Analysis	300.0		5			42906	12/31/22 15:23	CH	EET MID

Client Sample ID: S-14 (1.5')

Lab Sample ID: 880-23052-73

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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	42897	12/29/22 13:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43043	01/03/23 19:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/04/23 09:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	01/03/23 09:28	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42925	12/30/22 08:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42932	12/30/22 19:06	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	42716	12/27/22 13:33	KS	EET MID
Soluble	Analysis	300.0		5			42906	12/31/22 15:32	CH	EET MID

Client Sample ID: S-14 (2')

Lab Sample ID: 880-23052-74

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

Prep 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	42897	12/29/22 13:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43043	01/03/23 19:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/04/23 09:46	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-14 (2')

Lab Sample ID: 880-23052-74

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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			42958	01/03/23 09:28	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42925	12/30/22 08:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42932	12/30/22 19:28	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	42716	12/27/22 13:33	KS	EET MID
Soluble	Analysis	300.0		5			42906	12/31/22 15:40	CH	EET MID

Client Sample ID: S-14 (3')

Lab Sample ID: 880-23052-75

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

Prep 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	42897	12/29/22 13:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43043	01/03/23 20:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/04/23 09:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	01/03/23 09:28	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42925	12/30/22 08:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42932	12/30/22 19:51	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	42716	12/27/22 13:33	KS	EET MID
Soluble	Analysis	300.0		5			42906	12/31/22 15:49	CH	EET MID

Client Sample ID: S-15 (0-1')

Lab Sample ID: 880-23052-76

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

Prep 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	42897	12/29/22 13:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43043	01/03/23 20:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/04/23 09:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	01/03/23 09:28	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42925	12/30/22 08:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42932	12/30/22 20:15	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	42717	12/27/22 13:34	KS	EET MID
Soluble	Analysis	300.0		5			42907	12/30/22 21:36	CH	EET MID

Client Sample ID: S-15 (1.5')

Lab Sample ID: 880-23052-77

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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	42897	12/29/22 13:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43043	01/03/23 21:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/04/23 09:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	01/03/23 09:28	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42925	12/30/22 08:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42932	12/30/22 20:39	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-15 (1.5')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-77

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	42717	12/27/22 13:34	KS	EET MID
Soluble	Analysis	300.0		10			42907	12/30/22 21:50	CH	EET MID

Client Sample ID: S-15 (2')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-78

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	42897	12/29/22 13:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43043	01/03/23 21:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/04/23 09:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	01/03/23 09:28	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42925	12/30/22 08:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42932	12/30/22 21:03	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	42717	12/27/22 13:34	KS	EET MID
Soluble	Analysis	300.0		5			42907	12/30/22 21:55	CH	EET MID

Client Sample ID: S-15 (3')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-79

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	42897	12/29/22 13:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43043	01/03/23 22:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/04/23 09:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	01/03/23 09:28	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	42925	12/30/22 08:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42932	12/30/22 21:27	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	42717	12/27/22 13:34	KS	EET MID
Soluble	Analysis	300.0		5			42907	12/30/22 21:59	CH	EET MID

Client Sample ID: S-15 (4')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-80

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	42897	12/29/22 13:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43043	01/03/23 22:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/04/23 09:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	01/03/23 09:28	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42925	12/30/22 08:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42932	12/30/22 21:51	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	42717	12/27/22 13:34	KS	EET MID
Soluble	Analysis	300.0		5			42907	12/30/22 22:04	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-16 (0-1')**Lab Sample ID: 880-23052-81****Date Collected: 12/21/22 00:00****Matrix: Solid****Date Received: 12/22/22 13:34**

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	42898	12/29/22 13:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42933	12/31/22 13:47	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	01/03/23 11:01	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	42995	12/30/22 15:02	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42935	12/31/22 01:24	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	42717	12/27/22 13:34	KS	EET MID
Soluble	Analysis	300.0		5			42907	12/30/22 22:18	CH	EET MID

Client Sample ID: S-16 (1.5')**Lab Sample ID: 880-23052-82****Date Collected: 12/21/22 00:00****Matrix: Solid****Date Received: 12/22/22 13:34**

Prep 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	42898	12/29/22 13:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42933	12/31/22 14:08	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	01/03/23 11:01	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42995	12/30/22 15:02	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42935	12/31/22 02:35	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	42717	12/27/22 13:34	KS	EET MID
Soluble	Analysis	300.0		1			42907	12/30/22 22:23	CH	EET MID

Client Sample ID: S-16 (2')**Lab Sample ID: 880-23052-83****Date Collected: 12/21/22 00:00****Matrix: Solid****Date Received: 12/22/22 13:34**

Prep 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	42898	12/29/22 13:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42933	12/31/22 14:29	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	01/03/23 11:01	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42995	12/30/22 15:02	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42935	12/31/22 02:59	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	42717	12/27/22 13:34	KS	EET MID
Soluble	Analysis	300.0		1			42907	12/30/22 22:28	CH	EET MID

Client Sample ID: S-16 (3')**Lab Sample ID: 880-23052-84****Date Collected: 12/21/22 00:00****Matrix: Solid****Date Received: 12/22/22 13:34**

Prep 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	42898	12/29/22 13:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42933	12/31/22 14:49	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:47	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-16 (3')

Lab Sample ID: 880-23052-84

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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			42958	01/03/23 11:01	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	42995	12/30/22 15:02	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42935	12/31/22 03:23	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	42717	12/27/22 13:34	KS	EET MID
Soluble	Analysis	300.0		5			42907	12/30/22 22:33	CH	EET MID

Client Sample ID: S-16 (4')

Lab Sample ID: 880-23052-85

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

Prep 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	42898	12/29/22 13:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42933	12/31/22 15:10	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	01/03/23 11:01	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	42995	12/30/22 15:02	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42935	12/31/22 03:46	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	42717	12/27/22 13:34	KS	EET MID
Soluble	Analysis	300.0		10			42907	12/30/22 22:37	CH	EET MID

Client Sample ID: S-16 (5')

Lab Sample ID: 880-23052-86

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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	42898	12/29/22 13:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42933	12/31/22 15:31	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	01/03/23 11:01	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42995	12/30/22 15:02	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42935	12/31/22 04:10	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	42717	12/27/22 13:34	KS	EET MID
Soluble	Analysis	300.0		20			42907	12/30/22 22:42	CH	EET MID

Client Sample ID: S-17 (0-1')

Lab Sample ID: 880-23052-87

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

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	42898	12/29/22 13:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42933	12/31/22 15:51	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	01/03/23 11:01	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42995	12/30/22 15:02	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42935	12/31/22 04:32	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-17 (0-1')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-87

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	42717	12/27/22 13:34	KS	EET MID
Soluble	Analysis	300.0		5			42907	12/30/22 22:56	CH	EET MID

Client Sample ID: S-17 (1.5')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-88

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	42898	12/29/22 13:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42933	12/31/22 16:12	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	01/03/23 11:01	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42995	12/30/22 15:02	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42935	12/31/22 04:55	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	42717	12/27/22 13:34	KS	EET MID
Soluble	Analysis	300.0		5			42907	12/30/22 23:01	CH	EET MID

Client Sample ID: S-17 (2')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-89

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	42898	12/29/22 13:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42933	12/31/22 16:32	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	01/03/23 11:01	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42995	12/30/22 15:02	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42935	12/31/22 05:14	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	42717	12/27/22 13:34	KS	EET MID
Soluble	Analysis	300.0		5			42907	12/30/22 23:15	CH	EET MID

Client Sample ID: S-17 (3')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-90

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	42898	12/29/22 13:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42933	12/31/22 16:53	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	01/03/23 11:01	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42995	12/30/22 15:02	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42935	12/31/22 06:22	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	42717	12/27/22 13:34	KS	EET MID
Soluble	Analysis	300.0		5			42907	12/30/22 23:20	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-17 (4')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-91

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	42898	12/29/22 13:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42933	12/31/22 18:43	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	01/03/23 11:01	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42995	12/30/22 15:02	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42935	12/31/22 07:06	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	42717	12/27/22 13:34	KS	EET MID
Soluble	Analysis	300.0		10			42907	12/30/22 23:24	CH	EET MID

Client Sample ID: S-18 (0-1')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-92

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	42898	12/29/22 13:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42933	12/31/22 19:04	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	01/03/23 11:01	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42995	12/30/22 15:02	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42935	12/31/22 07:29	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	42717	12/27/22 13:34	KS	EET MID
Soluble	Analysis	300.0		5			42907	12/30/22 23:29	CH	EET MID

Client Sample ID: S-18 (1.5')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-93

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	42898	12/29/22 13:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42933	12/31/22 19:25	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	01/03/23 11:01	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42995	12/30/22 15:02	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42935	12/31/22 07:52	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	42717	12/27/22 13:34	KS	EET MID
Soluble	Analysis	300.0		1			42907	12/30/22 23:34	CH	EET MID

Client Sample ID: S-18 (2')

Date Collected: 12/21/22 00:00

Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-94

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	42898	12/29/22 13:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42933	12/31/22 19:45	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:47	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Client Sample ID: S-18 (2')
Date Collected: 12/21/22 00:00
Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-94
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			42958	01/03/23 11:01	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42995	12/30/22 15:02	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42935	12/31/22 08:14	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	42717	12/27/22 13:34	KS	EET MID
Soluble	Analysis	300.0		1			42907	12/30/22 23:38	CH	EET MID

Client Sample ID: S-18 (3')
Date Collected: 12/21/22 00:00
Date Received: 12/22/22 13:34

Lab Sample ID: 880-23052-95
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	42898	12/29/22 13:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42933	12/31/22 20:06	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			43012	01/03/23 09:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42958	01/03/23 11:01	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42995	12/30/22 15:02	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42935	12/31/22 08:37	AJ	EET MID
Soluble	Leach	DI Leach			495 g	50 mL	42717	12/27/22 13:34	KS	EET MID
Soluble	Analysis	300.0		5			42907	12/30/22 23:43	CH	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
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)
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	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: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-23052-1	S-1 (0-0.25')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-2	S-1 (0.5')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-3	S-1 (1')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-4	S-1 (1.5')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-5	S-1 (2')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-6	S-1 (3')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-7	S-1 (4')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-8	S-2 (0-0.25')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-9	S-2 (0.5')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-10	S-2 (1')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-11	S-2 (1.5')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-12	S-2 (2')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-13	S-2 (3')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-14	S- (4')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-15	S-3 (0-0.25')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-16	S-3 (0.5')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-17	S-3 (1')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-18	S-3 (1.5')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-19	S-3 (2')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-20	S-4 (0-0.25')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-21	S-4 (0.5')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-22	S-4 (1')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-23	S-4 (1.5')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-24	S-4 (2')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-25	S-5 (0-0.25')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-26	S-5 (0.5')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-27	S-5 (1')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-28	S-5 (1.5')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-29	S-5 (2')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-30	S-5 (3')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-31	S-5 (4')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-32	S-5 (5')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-33	S-6 (0-0.25')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-34	S-6 (0.5')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-35	S-7 (0-0.25')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-36	S-7 (0.5')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-37	S-7 (1')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-38	S-7 (1.5')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-39	S-7 (2')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-40	S-7 (3')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-41	S-7 (4')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-42	S-7 (5')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-43	S-8 (0-1')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-44	S-8 (1.5')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-45	S-8 (2')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-46	S-8 (3')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-47	S-8 (4')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-48	S-8 (5')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-49	S-9 (0-1')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-50	S-9 (1.5')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-51	S-9 (2')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-52	S-9 (3')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-53	S-9 (4')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-54	S-9 (5')	Solid	12/21/22 00:00	12/22/22 13:34

Sample Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23052-1
SDG: Lea Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-23052-55	S-10 (0-1')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-56	S-10 (1.5')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-57	S-10 (2')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-58	S-10 (3')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-59	S-10 (4')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-60	S-11 (0-1')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-61	S-11 (1.5')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-62	S-11 (2')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-63	S-11 (3')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-64	S-11 (4')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-65	S-11 (5')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-66	S-12 (0-1')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-67	S-13 (0-1')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-68	S-13 (1.5')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-69	S-13 (2')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-70	S-13 (3')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-71	S-13 (4')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-72	S-14 (0-1')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-73	S-14 (1.5')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-74	S-14 (2')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-75	S-14 (3')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-76	S-15 (0-1')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-77	S-15 (1.5')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-78	S-15 (2')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-79	S-15 (3')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-80	S-15 (4')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-81	S-16 (0-1')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-82	S-16 (1.5')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-83	S-16 (2')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-84	S-16 (3')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-85	S-16 (4')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-86	S-16 (5')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-87	S-17 (0-1')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-88	S-17 (1.5')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-89	S-17 (2')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-90	S-17 (3')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-91	S-17 (4')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-92	S-18 (0-1')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-93	S-18 (1.5')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-94	S-18 (2')	Solid	12/21/22 00:00	12/22/22 13:34
880-23052-95	S-18 (3')	Solid	12/21/22 00:00	12/22/22 13:34

Work Order No: 23052

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Project Manager		Connor Moehring		Bill to (if different)	Joseph Vargo
Company Name		Carmona Resources		Company Name	NGL Water Solutions Permian
Address		310 W Wall St Ste 415		Address	865 N Albino Street, Suite 400
City, State ZIP		Midland, TX 79701		City, State ZIP	Denver, CO 80220
Phone		(432) 813-6823		Email	Joseph.Vargo@nqlep.com

Page 1 of 10

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

Project Name:		Vaca Draw Federal SWD (12 09 22)			Turn Around		ANALYSIS REQUEST													Preservative Codes								
Project Number:		1207			☒ Routine ☐ Rush		Pres. Code														None NO DI Water H ₂ O							
Project Location		Lea Co NM			Due Date																Cool Cool MeOH Me							
Sampler's Name		GPJ																			HCL HC HNO ₃ HN							
PO #																					H ₂ SO ₄ H ₂ NaOH Na							
SAMPLE RECEIPT		Temp Blank.			Yes ☒ No ☐			Wet Ice		Yes ☒ No ☐															H ₃ PO ₄ HP			
Received Intact:		Yes ☒ No ☐			Thermometer ID:			578																NaHSO ₄ NABIS				
Cooler Custody Seals		Yes ☐ No ☒ N/A			Correction Factor:			-30																Na ₂ S ₂ O ₃ NaSO ₃				
Sample Custody Seals		Yes ☐ No ☒ N/A			Temperature Reading			88																Zn Acetate+NaOH Zn				
Total Containers.					Corrected Temperature			8.5																NaOH+Ascorbic Acid SAPC				
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont															Sample Comments	
S-1 (0-0 25')		12/21/2022				X				G		1		x x x													402	
S-1 (0 5')		12/21/2022				X				G		1		x x x														
S-1 (1')		12/21/2022				X				G		1		x x x														
S-1 (1 5')		12/21/2022				X				G		1		x x x														
S-1 (2')		12/21/2022				X				G		1		x x x														
S-1 (3')		12/21/2022				X				G		1		x x x														
S-1 (4')		12/21/2022				X				G		1		x x x														
S-2 (0-0 25')		12/21/2022				X				G		1		x x x														
S-2 (0 5')		12/21/2022				X				G		1		x x x														
S-2 (1')		12/21/2022				X				G		1		x x x														

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>[Signature]</i>	12/22 1.34	<i>[Signature]</i>	

Work Order No: 23052 1/4/2023

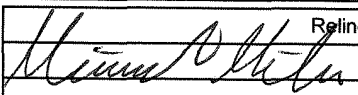
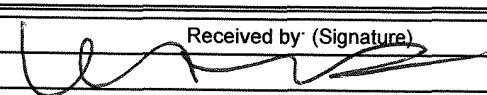
Page 2 of 10

Project Manager	Connor Moehring	Bill to (if different)	Joseph Vargo
Company Name	Carmona Resources	Company Name	NGL Water Solutions Permian
Address	310 W Wall St Ste 415	Address	865 N Albino Street, Suite 400
City, State ZIP	Midland, TX 79701	City, State ZIP	Denver, CO 80220
Phone	(432) 813-6823	Email	Joseph.Vargo@nglep.com

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

Project Name		Vaca Draw Federal SWD (12 09 22)		Turn Around				ANALYSIS REQUEST																Preservative Codes							
Project Number		1207		☒ Routine ☐ Rush		Pres. Code																		None NO DI Water: H ₂ O							
Project Location		Lea Co NM		Due Date																				Cool Cool MeOH Me							
Sampler's Name		GPJ																						HCL HC HNO ₃ HN							
PO #																								H ₂ SO ₄ H ₂ NaOH Na							
SAMPLE RECEIPT		Temp Blank.		Yes No		Wet Ice.		Yes No																		H ₃ PO ₄ HP					
Received Intact:		Yes No		Thermometer ID																				NaHSO ₄ NABIS							
Cooler Custody Seals.		Yes No N/A		Correction Factor																				Na ₂ S ₂ O ₃ NaSO ₃							
Sample Custody Seals		Yes No N/A		Temperature Reading																				Zn Acetate+NaOH Zn							
Total Containers				Corrected Temperature																				NaOH+Ascorbic Acid SAPC							
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont																		Sample Comments	
S-2 (1 5')		12/21/2022				X				G		1		x x x																	
S-2 (2')		12/21/2022				X				G		1		x x x																	
S-2 (3')		12/21/2022				X				G		1		x x x																	
S-2 (4')		12/21/2022				X				G		1		x x x																	
S-3 (0-0 25')		12/21/2022				X				G		1		x x x																	
S-3 (0 5')		12/21/2022				X				G		1		x x x																	
S-3 (1')		12/21/2022				X				G		1		x x x																	
S-3 (1 5')		12/21/2022				X				G		1		x x x																	
S-3 (2')		12/21/2022				X				G		1		x x x																	
S-4 (0-0 25')		12/21/2022				X				G		1		x x x																	

Comments:			

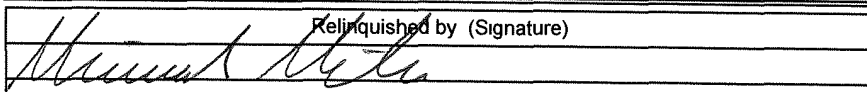
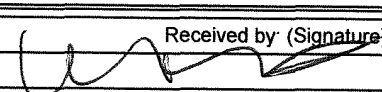
Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time	
		12/22/2023					

Project Manager	Connor Moehring	Bill to (if different)	Joseph Vargo
Company Name	Carmona Resources	Company Name	NGL Water Solutions Permian
Address	310 W Wall St Ste 415	Address	865 N Albino Street, Suite 400
City, State ZIP	Midland, TX 79701	City, State ZIP	Denver, CO 80220
Phone	(432) 813-6823	Email	Joseph.Vargo@nglep.com

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

Project Name		Vaca Draw Federal SWD (12 09 22)		Turn Around		Pres. Code		ANALYSIS REQUEST																Preservative Codes							
Project Number		1207		☒ Routine ☐ Rush		Due Date		Parameters																		None NO DI Water H ₂ O					
Project Location		Lea Co NM		Due Date				BTEX 8021B																		Cool Cool MeOH Me					
Sampler's Name		GPJ						TPH 8015M (GRO + DRO + MRO)																		HCL HC HNO ₃ HN					
PO #								Chloride 300.0																		H ₂ S ₂ O ₄ H ₂ NaOH Na					
SAMPLE RECEIPT		Temp Blank		Yes No		Wet Ice		Yes No																		H ₃ PO ₄ HP					
Received Intact:		Yes No		Thermometer ID																						NaHSO ₄ NABIS					
Cooler Custody Seals		Yes No N/A		Correction Factor																						Na ₂ S ₂ O ₃ NaSO ₃					
Sample Custody Seals.		Yes No N/A		Temperature Reading																						Zn Acetate+NaOH Zn					
Total Containers.				Corrected Temperature																						NaOH+Ascorbic Acid SAPC					
Sample Identification		Date		Time		Soil		Water		Grab/ Comp		# of Cont																		Sample Comments	
S-4 (0 5')		12/21/2022				X				G		1		x x x																	
S-4 (1')		12/21/2022				X				G		1		x x x																	
S-4 (1 5')		12/21/2022				X				G		1		x x x																	
S-4 (2')		12/21/2022				X				G		1		x x x																	
S-5 (0-0 25')		12/21/2022				X				G		1		x x x																	
S-5 (0 5')		12/21/2022				X				G		1		x x x																	
S-5 (1')		12/21/2022				X				G		1		x x x																	
S-5 (1 5')		12/21/2022				X				G		1		x x x																	
S-5 (2')		12/21/2022				X				G		1		x x x																	
S-5 (3')		12/21/2022				X				G		1		x x x																	

Comments:	

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	12/22 1 34		

Work Order No: 23052

1/4/2023

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Project Manager	Connor Moehring	Bill to (if different)	Joseph Vargo
Company Name	Carmona Resources	Company Name	NGL Water Solutions Permian
Address	310 W Wall St Ste 415	Address	865 N Albino Street, Suite 400
City, State ZIP	Midland, TX 79701	City, State ZIP	Denver, CO 80220
Phone	(432) 813-6823	Email	Joseph.Vargo@nglep.com

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

Project Name	Vaca Draw Federal SWD (12 09 22)		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes						
Project Number	1207		☒ Routine ☐ Rush																			None NO DI Water H ₂ O						
Project Location	Lea Co NM		Due Date																			Cool Cool MeOH Me						
Sampler's Name	GPJ																					HCL HC HNO ₃ HN						
PO #																						H ₂ SO ₄ H ₂ NaOH Na						
SAMPLE RECEIPT			Temp Blank	Yes No	Wet Ice	Yes No	Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0																	H ₃ PO ₄ HP	
Received Intact:			Yes No	Thermometer ID																		NaHSO ₄ NABIS						
Cooler Custody Seals			Yes No N/A	Correction Factor																		Na ₂ S ₂ O ₃ NaSO ₃						
Sample Custody Seals			Yes No N/A	Temperature Reading																		Zn Acetate+NaOH Zn						
Total Containers					Corrected Temperature																						NaOH+Ascorbic Acid SAPC	
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont																	Sample Comments				
S-5 (4')		12/21/2022		X		G	1	x	x	x																		
S-5 (5')		12/21/2022		X		G	1	x	x	x																		
S-6 (0-0 25')		12/21/2022		X		G	1	x	x	x																		
S-6 (0 5')		12/21/2022		X		G	1	x	x	x																		
S-7 (0-0 25')		12/21/2022		X		G	1	x	x	x																		
S-7 (0 5')		12/21/2022		X		G	1	x	x	x																		
S-7 (1')		12/21/2022		X		G	1	x	x	x																		
S-7 (1 5')		12/21/2022		X		G	1	x	x	x																		
S-7 (2')		12/21/2022		X		G	1	x	x	x																		
S-7 (3')		12/21/2022		X		G	1	x	x	x																		

Comments:

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	12/22 1:34		

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Work Order No: 23052

1/4/2023

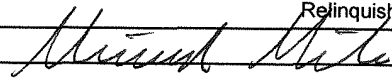
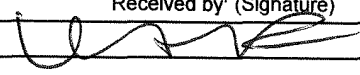
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Project Manager	Connor Moehring	Bill to (if different)	Joseph Vargo
Company Name	Carmona Resources	Company Name	NGL Water Solutions Permian
Address	310 W Wall St Ste 415	Address	865 N Albino Street, Suite 400
City, State ZIP	Midland, TX 79701	City, State ZIP	Denver, CO 80220
Phone	(432) 813-6823	Email	Joseph.Vargo@nglep.com

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

Project Name		Vaca Draw Federal SWD (12 09 22)		Turn Around				ANALYSIS REQUEST																Preservative Codes							
Project Number		1207		☒ Routine ☐ Rush		Pres. Code																		None NO DI Water H ₂ O							
Project Location		Lea Co NM		Due Date																				Cool Cool MeOH Me							
Sampler's Name		GPJ																						HCL HC HNO ₃ HN							
PO #																								H ₂ SO ₄ H ₂ NaOH Na							
SAMPLE RECEIPT		Temp Blank		Yes No		Wet Ice		Yes No		Parameters		BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 300 0																H ₃ PO ₄ HP			
Received Intact:		Yes No		Thermometer ID																								NaHSO ₄ NABIS			
Cooler Custody Seals		Yes No N/A		Correction Factor																								Na ₂ S ₂ O ₃ NaSO ₃			
Sample Custody Seals		Yes No N/A		Temperature Reading																								Zn Acetate+NaOH Zn			
Total Containers				Corrected Temperature																								NaOH+Ascorbic Acid SAPC			
Sample Identification		Date		Time		Soil		Water		Grab/ Comp		# of Cont																		Sample Comments	
S-7 (4')		12/21/2022				X				G		1		x x x																	
S-7 (5')		12/21/2022				X				G		1		x x x																	
S-8 (0-1')		12/21/2022				X				G		1		x x x																	
S-8 (1 5')		12/21/2022				X				G		1		x x x																	
S-8 (2')		12/21/2022				X				G		1		x x x																	
S-8 (3')		12/21/2022				X				G		1		x x x																	
S-8 (4')		12/21/2022				X				G		1		x x x																	
S-8 (5')		12/21/2022				X				G		1		x x x																	
S-9 (0-1')		12/21/2022				X				G		1		x x x																	
S-9 (1 5')		12/21/2022				X				G		1		x x x																	

Comments:			

Relinquished by (Signature)		Date/Time		Received by (Signature)		Date/Time	
		12/22 1:34					

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Work Order No:

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1/4/2023

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Project Manager	Connor Moehring	Bill to (if different)	Joseph Vargo
Company Name	Carmona Resources	Company Name	NGL Water Solutions Permian
Address	310 W Wall St Ste 415	Address	865 N Albino Street, Suite 400
City, State ZIP	Midland, TX 79701	City, State ZIP	Denver, CO 80220
Phone	(432) 813-6823	Email	Joseph.Vargo@nqlep.com

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

Project Name:		Vaca Draw Federal SWD (12 09 22)		Turn Around		Pres. Code		ANALYSIS REQUEST																Preservative Codes					
Project Number:		1207		☒ Routine ☐ Rush																				None NO DI Water H ₂ O					
Project Location		Lea Co NM		Due Date																				Cool Cool MeOH Me					
Sampler's Name		GPJ																						HCL HC HNO ₃ HN					
PO #																								H ₂ SO ₄ H ₂ NaOH Na					
SAMPLE RECEIPT		Temp Blank.		Yes No		Wet Ice		Yes No		Parameters																		H ₃ PO ₄ HP	
Received Intact:		Yes No		Thermometer ID						BTEx 8021B																		NaHSO ₄ NABIS	
Cooler Custody Seals		Yes No N/A		Correction Factor						TPH 8015M (GRO + DRO + MRO)																		Na ₂ S ₂ O ₃ NaSO ₃	
Sample Custody Seals		Yes No N/A		Temperature Reading						Chloride 300 0																		Zn Acetate+NaOH Zn	
Total Containers				Corrected Temperature																								NaOH+Ascorbic Acid SAPC	
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont																	Sample Comments					
S-9 (2')		12/21/2022		X		G	1	x	x	x																			
S-9 (3')		12/21/2022		X		G	1	x	x	x																			
S-9 (4')		12/21/2022		X		G	1	x	x	x																			
S-9 (5')		12/21/2022		X		G	1	x	x	x																			
S-10 (0-1')		12/21/2022		X		G	1	x	x	x																			
S-10 (1 5')		12/21/2022		X		G	1	x	x	x																			
S-10 (2')		12/21/2022		X		G	1	x	x	x																			
S-10 (3')		12/21/2022		X		G	1	x	x	x																			
S-10 (4')		12/21/2022		X		G	1	x	x	x																			
S-11 (0-1')		12/21/2022		X		G	1	x	x	x																			

Comments:

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Work Order No:

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1/4/2023

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Project Manager	Connor Moehring	Bill to (if different)	Joseph Vargo
Company Name	Carmona Resources	Company Name	NGL Water Solutions Permian
Address	310 W Wall St Ste 415	Address	865 N Albino Street, Suite 400
City, State ZIP	Midland, TX 79701	City, State ZIP	Denver, CO 80220
Phone	(432) 813-6823	Email	Joseph.Vargo@nnglep.com

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

Project Name	Vaca Draw Federal SWD (12 09 22)		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes						
Project Number	1207		☒ Routine ☐ Rush			Parameters	BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 300.0																None NO DI Water H ₂ O					
Project Location	Lea Co NM		Due Date																				Cool Cool MeOH Me					
Sampler's Name	GPJ																						HCL HC HNO ₃ HN					
PO #:					H ₂ SO ₄ H ₂ NaOH Na																							
SAMPLE RECEIPT			Temp Blank	Yes No	Wet Ice	Yes No																			H ₃ PO ₄ HP			
Received Intact:			Yes No	Thermometer ID																				NaHSO ₄ NABIS				
Cooler Custody Seals			Yes No N/A	Correction Factor																				Na ₂ S ₂ O ₃ NaSO ₃				
Sample Custody Seals			Yes No N/A	Temperature Reading																				Zn Acetate+NaOH Zn				
Total Containers			Corrected Temperature																				NaOH+Ascorbic Acid SAPC					
Sample Identification		Date	Time	Soil	Water	Grab/ Comp	# of Cont																			Sample Comments		
S-11 (1 5')		12/21/2022		X		G	1	x	x	x																		
S-11 (2')		12/21/2022		X		G	1	x	x	x																		
S-11 (3')		12/21/2022		X		G	1	x	x	x																		
S-11 (4')		12/21/2022		X		G	1	x	x	x																		
S-11 (5')		12/21/2022		X		G	1	x	x	x																		
S-12 (0-1')		12/21/2022		X		G	1	x	x	x																		
S-13 (0-1')		12/21/2022		X		G	1	x	x	x																		
S-13 (1 5')		12/21/2022		X		G	1	x	x	x																		
S-13 (2')		12/21/2022		X		G	1	x	x	x																		
S-13 (3')		12/21/2022		X		G	1	x	x	x																		

Comments:

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	12/22 1 34		

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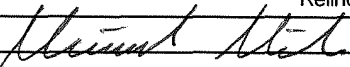
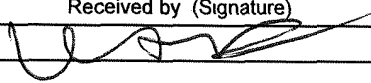
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Project Manager	Connor Moehring	Bill to (if different)	Joseph Vargo
Company Name	Carmona Resources	Company Name	NGL Water Solutions Permian
Address	310 W Wall St Ste 415	Address	865 N Albino Street, Suite 400
City, State ZIP	Midland, TX 79701	City, State ZIP	Denver, CO 80220
Phone	(432) 813-6823	Email	Joseph.Vargo@nglep.com

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

Project Name	Vaca Draw Federal SWD (12 09 22)		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes			
Project Number	1207		☒ Routine ☐ Rush			Parameters																	None NO DI Water H ₂ O		
Project Location	Lea Co NM		Due Date				BTEX 8021B																	Cool Cool MeOH Me	
Sampler's Name	GPJ							TPH 8015M (GRO + DRO + MRO)																	HCL HC HNO ₃ HN
PO #					Chloride 300 0																				H ₂ SO ₄ H ₂ NaOH Na
SAMPLE RECEIPT		Temp Blank	Yes No	Wet Ice		Yes No																			H ₃ PO ₄ HP
Received Intact:		Yes No	Thermometer ID																				NaHSO ₄ NABIS		
Cooler Custody Seals		Yes No N/A	Correction Factor																				Na ₂ S ₂ O ₃ NaSO ₃		
Sample Custody Seals		Yes No N/A	Temperature Reading																			Zn Acetate+NaOH Zn			
Total Containers				Corrected Temperature																			NaOH+Ascorbic Acid SAPC		
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont																	Sample Comments		
S-13 (4')	12/21/2022		X		G	1	x	x	x																
S-14 (0-1')	12/21/2022		X		G	1	x	x	x																
S-14 (1 5')	12/21/2022		X		G	1	x	x	x																
S-14 (2')	12/21/2022		X		G	1	x	x	x																
S-14 (3')	12/21/2022		X		G	1	x	x	x																
S-15 (0-1')	12/21/2022		X		G	1	x	x	x																
S-15 (1 5')	12/21/2022		X		G	1	x	x	x																
S-15 (2')	12/21/2022		X		G	1	x	x	x																
S-15 (3')	12/21/2022		X		G	1	x	x	x																
S-15 (4')	12/21/2022		X		G	1	x	x	x																

Comments:			

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	12/22 1:34		

Work Order No: 23052

1/4/2023

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Project Manager	Connor Moehring	Bill to (if different)	Joseph Vargo
Company Name	Carmona Resources	Company Name	NGL Water Solutions Permian
Address	310 W Wall St Ste 415	Address	865 N Albino Street, Suite 400
City, State ZIP	Midland, TX 79701	City, State ZIP	Denver, CO 80220
Phone	(432) 813-6823	Email	Joseph.Vargo@nglep.com

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

Project Name		Vaca Draw Federal SWD (12 09 22)		Turn Around				ANALYSIS REQUEST																Preservative Codes							
Project Number		1207		☒ Routine ☐ Rush		Pres. Code																		None NO DI Water H ₂ O							
Project Location		Lea Co NM		Due Date																				Cool Cool MeOH Me							
Sampler's Name		GPJ																						HCL HC HNO ₃ HN							
PO #																								H ₂ SO ₄ H ₂ NaOH Na							
SAMPLE RECEIPT		Temp Blank.		Yes No		Wet Ice		Yes No		Parameters		BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 300 0																H ₃ PO ₄ HP			
Received Intact:		Yes No		Thermometer ID																								NaHSO ₄ NABIS			
Cooler Custody Seals		Yes No N/A		Correction Factor																								Na ₂ S ₂ O ₃ NaSO ₃			
Sample Custody Seals		Yes No N/A		Temperature Reading																								Zn Acetate+NaOH Zn			
Total Containers				Corrected Temperature																								NaOH+Ascorbic Acid SAPC			
Sample Identification		Date		Time		Soil		Water		Grab/ Comp		# of Cont																		Sample Comments	
S-16 (0-1')		12/21/2022				X				G		1		x x x																	
S-16 (1 5')		12/21/2022				X				G		1		x x x																	
S-16 (2')		12/21/2022				X				G		1		x x x																	
S-16 (3')		12/21/2022				X				G		1		x x x																	
S-16 (4')		12/21/2022				X				G		1		x x x																	
S-16 (5')		12/21/2022				X				G		1		x x x																	
S-17 (0-1')		12/21/2022				X				G		1		x x x																	
S-17 (1 5')		12/21/2022				X				G		1		x x x																	
S-17 (2')		12/21/2022				X				G		1		x x x																	
S-17 (3')		12/21/2022				X				G		1		x x x																	

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	12/22 1:34		

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Work Order No: 23052 1/4/2023

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Project Manager	Connor Moehring	Bill to (if different)	Joseph Vargo
Company Name	Carmona Resources	Company Name	NGL Water Solutions Permian
Address	310 W Wall St Ste 415	Address	865 N Albino Street, Suite 400
City, State ZIP	Midland, TX 79701	City, State ZIP	Denver, CO 80220
Phone:	(432) 813-6823	Email	Joseph.Vargo@nglep.com

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

Project Name.		Vaca Draw Federal SWD (12 09 22)		Turn Around				ANALYSIS REQUEST												Preservative Codes							
Project Number		1207		☒ Routine ☐ Rush		Pres. Code														None NO DI Water: H ₂ O							
Project Location		Lea Co NM		Due Date																Cool Cool MeOH Me							
Sampler's Name		GPJ																		HCL HC HNO ₃ HN							
PO #:																				H ₂ SO ₄ H ₂ NaOH Na							
SAMPLE RECEIPT		Temp Blank		Yes No		Wet Ice		Yes No														H ₃ PO ₄ HP					
Received Intact:		Yes No		Thermometer ID																NaHSO ₄ NABIS							
Cooler Custody Seals.		Yes No N/A		Correction Factor																Na ₂ S ₂ O ₃ NaSO ₃							
Sample Custody Seals.		Yes No N/A		Temperature Reading																Zn Acetate+NaOH Zn							
Total Containers				Corrected Temperature																NaOH+Ascorbic Acid SAPC							
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont														Sample Comments	
S-17 (4')		12/21/2022				X				G		1		x x x													
S-18 (0-1')		12/21/2022				X				G		1		x x x													
S-18 (1 5')		12/21/2022				X				G		1		x x x													
S-18 (2')		12/21/2022				X				G		1		x x x													
S-18 (3')		12/21/2022				X				G		1		x x x													

Comments:			

Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time	
		12/22 1:34					

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-23052-1

SDG Number: Lea Co, NM

Login Number: 23052

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	



Environment Testing

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

ANALYTICAL REPORT

PREPARED FOR

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

Generated 1/4/2023 8:58:58 AM

JOB DESCRIPTION

Vaca Draw Federal SWD (12.09.22)
SDG NUMBER Lea Co.NM

JOB NUMBER

880-23050-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland**Job Notes**

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

Authorization

Generated
1/4/2023 8:58:58 AM

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

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Laboratory Job ID: 880-23050-1
SDG: Lea Co.NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23050-1
SDG: Lea Co.NM

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
F2	MS/MSD RPD 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
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: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23050-1
SDG: Lea Co.NM

Job ID: 880-23050-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-23050-1****Receipt**

The samples were received on 12/23/2022 1:34 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 0.5°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: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-42893 and analytical batch 880-43041 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: H-4 (0-0.5') (880-23050-4) and H-10 (0-0.5') (880-23050-10). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: H-16 (0-0.5') (880-23050-16). 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) precision for preparation batch 880-42928 and analytical batch 880-42937 was outside control limits. Sample non-homogeneity is suspected.

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 880-42746 and analytical batch 880-42908 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23050-1
SDG: Lea Co.NM

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

Lab Sample ID: 880-23050-1

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/23/22 13:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U F1	0.00201		mg/Kg		12/29/22 13:04	01/03/23 14:42	1
Toluene	<0.00201	U F1	0.00201		mg/Kg		12/29/22 13:04	01/03/23 14:42	1
Ethylbenzene	<0.00201	U F1	0.00201		mg/Kg		12/29/22 13:04	01/03/23 14:42	1
m-Xylene & p-Xylene	<0.00402	U F1	0.00402		mg/Kg		12/29/22 13:04	01/03/23 14:42	1
o-Xylene	<0.00201	U F1	0.00201		mg/Kg		12/29/22 13:04	01/03/23 14:42	1
Xylenes, Total	<0.00402	U F1	0.00402		mg/Kg		12/29/22 13:04	01/03/23 14:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	12/29/22 13:04	01/03/23 14:42	1
1,4-Difluorobenzene (Surr)	94		70 - 130	12/29/22 13:04	01/03/23 14:42	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			01/04/23 09:12	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			01/03/23 10:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F2	49.9		mg/Kg		12/30/22 08:23	12/30/22 14:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/30/22 08:23	12/30/22 14:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/30/22 08:23	12/30/22 14:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130	12/30/22 08:23	12/30/22 14:09	1
o-Terphenyl	119		70 - 130	12/30/22 08:23	12/30/22 14:09	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.4		4.98		mg/Kg			12/31/22 16:04	1

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

Lab Sample ID: 880-23050-2

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/23/22 13:34

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		12/29/22 13:04	01/03/23 15:03	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/29/22 13:04	01/03/23 15:03	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/29/22 13:04	01/03/23 15:03	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		12/29/22 13:04	01/03/23 15:03	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/29/22 13:04	01/03/23 15:03	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		12/29/22 13:04	01/03/23 15:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	12/29/22 13:04	01/03/23 15:03	1
1,4-Difluorobenzene (Surr)	98		70 - 130	12/29/22 13:04	01/03/23 15:03	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23050-1
SDG: Lea Co.NM

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

Lab Sample ID: 880-23050-2

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/23/22 13:34

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			01/04/23 09:12	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			01/03/23 10:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/30/22 08:23	12/30/22 15:13	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/30/22 08:23	12/30/22 15:13	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/30/22 08:23	12/30/22 15:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				12/30/22 08:23	12/30/22 15:13	1
o-Terphenyl	103		70 - 130				12/30/22 08:23	12/30/22 15:13	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.06		4.97		mg/Kg			12/31/22 16:18	1

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

Lab Sample ID: 880-23050-3

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/23/22 13:34

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		12/29/22 13:04	01/03/23 15:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:04	01/03/23 15:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:04	01/03/23 15:24	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/29/22 13:04	01/03/23 15:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:04	01/03/23 15:24	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/29/22 13:04	01/03/23 15:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130				12/29/22 13:04	01/03/23 15:24	1
1,4-Difluorobenzene (Surr)	92		70 - 130				12/29/22 13:04	01/03/23 15:24	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			01/04/23 09:12	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			01/03/23 10:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/30/22 08:23	12/30/22 15:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/30/22 08:23	12/30/22 15:35	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23050-1
SDG: Lea Co.NM

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

Lab Sample ID: 880-23050-3

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/23/22 13:34

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		12/30/22 08:23	12/30/22 15:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				12/30/22 08:23	12/30/22 15:35	1
o-Terphenyl	105		70 - 130				12/30/22 08:23	12/30/22 15:35	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	48.6		5.02		mg/Kg			12/31/22 16:23	1

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

Lab Sample ID: 880-23050-4

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/23/22 13:34

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		12/29/22 13:04	01/03/23 15:44	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/29/22 13:04	01/03/23 15:44	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/29/22 13:04	01/03/23 15:44	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/29/22 13:04	01/03/23 15:44	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/29/22 13:04	01/03/23 15:44	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/29/22 13:04	01/03/23 15:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130				12/29/22 13:04	01/03/23 15:44	1
1,4-Difluorobenzene (Surr)	94		70 - 130				12/29/22 13:04	01/03/23 15:44	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			01/04/23 09:12	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			01/03/23 10:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/30/22 08:23	12/30/22 16:49	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/30/22 08:23	12/30/22 16:49	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/30/22 08:23	12/30/22 16:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				12/30/22 08:23	12/30/22 16:49	1
o-Terphenyl	111		70 - 130				12/30/22 08:23	12/30/22 16:49	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.01	U	5.01		mg/Kg			12/31/22 16:28	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23050-1
SDG: Lea Co.NM

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

Lab Sample ID: 880-23050-5

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/23/22 13:34

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		12/29/22 13:04	01/03/23 16:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:04	01/03/23 16:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:04	01/03/23 16:05	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/29/22 13:04	01/03/23 16:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:04	01/03/23 16:05	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/29/22 13:04	01/03/23 16:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				12/29/22 13:04	01/03/23 16:05	1
1,4-Difluorobenzene (Surr)	95		70 - 130				12/29/22 13:04	01/03/23 16:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			01/04/23 09:12	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			01/03/23 10:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/30/22 08:23	12/30/22 17:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/30/22 08:23	12/30/22 17:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/30/22 08:23	12/30/22 17:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				12/30/22 08:23	12/30/22 17:11	1
o-Terphenyl	99		70 - 130				12/30/22 08:23	12/30/22 17:11	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.98	U	4.98		mg/Kg			01/03/23 11:28	1

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

Lab Sample ID: 880-23050-6

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/23/22 13:34

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		12/29/22 13:04	01/03/23 16:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:04	01/03/23 16:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:04	01/03/23 16:26	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/29/22 13:04	01/03/23 16:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:04	01/03/23 16:26	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/29/22 13:04	01/03/23 16:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130				12/29/22 13:04	01/03/23 16:26	1
1,4-Difluorobenzene (Surr)	102		70 - 130				12/29/22 13:04	01/03/23 16:26	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23050-1
SDG: Lea Co.NM

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

Lab Sample ID: 880-23050-6

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/23/22 13:34

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			01/04/23 09:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	655		50.0		mg/Kg			01/03/23 10:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/30/22 08:23	12/30/22 17:33	1
Diesel Range Organics (Over C10-C28)	519		50.0		mg/Kg		12/30/22 08:23	12/30/22 17:33	1
Oil Range Organics (Over C28-C36)	136		50.0		mg/Kg		12/30/22 08:23	12/30/22 17:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				12/30/22 08:23	12/30/22 17:33	1
o-Terphenyl	120		70 - 130				12/30/22 08:23	12/30/22 17:33	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.03	U	5.03		mg/Kg			12/31/22 16:47	1

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

Lab Sample ID: 880-23050-7

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/23/22 13:34

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		12/29/22 13:04	01/03/23 16:47	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:04	01/03/23 16:47	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:04	01/03/23 16:47	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/29/22 13:04	01/03/23 16:47	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:04	01/03/23 16:47	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/29/22 13:04	01/03/23 16:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				12/29/22 13:04	01/03/23 16:47	1
1,4-Difluorobenzene (Surr)	94		70 - 130				12/29/22 13:04	01/03/23 16:47	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/04/23 09:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	54.3		50.0		mg/Kg			01/03/23 10:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/30/22 08:23	12/30/22 17:56	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23050-1
SDG: Lea Co.NM

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

Lab Sample ID: 880-23050-7

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/23/22 13:34

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)	54.3		50.0		mg/Kg		12/30/22 08:23	12/30/22 17:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/30/22 08:23	12/30/22 17:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				12/30/22 08:23	12/30/22 17:56	1
o-Terphenyl	117		70 - 130				12/30/22 08:23	12/30/22 17:56	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	33.2		4.96		mg/Kg			12/31/22 16:51	1

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

Lab Sample ID: 880-23050-8

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/23/22 13:34

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		12/29/22 13:04	01/03/23 17:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:04	01/03/23 17:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:04	01/03/23 17:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/29/22 13:04	01/03/23 17:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:04	01/03/23 17:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/29/22 13:04	01/03/23 17:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				12/29/22 13:04	01/03/23 17:07	1
1,4-Difluorobenzene (Surr)	96		70 - 130				12/29/22 13:04	01/03/23 17:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/04/23 09:12	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			01/03/23 10:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/30/22 08:23	12/30/22 18:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/30/22 08:23	12/30/22 18:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/30/22 08:23	12/30/22 18:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				12/30/22 08:23	12/30/22 18:18	1
o-Terphenyl	104		70 - 130				12/30/22 08:23	12/30/22 18:18	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	358		4.99		mg/Kg			12/31/22 16:56	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23050-1
SDG: Lea Co.NM

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

Lab Sample ID: 880-23050-9

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/23/22 13:34

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		12/29/22 13:04	01/03/23 17:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:04	01/03/23 17:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:04	01/03/23 17:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/29/22 13:04	01/03/23 17:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:04	01/03/23 17:28	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/29/22 13:04	01/03/23 17:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	12/29/22 13:04	01/03/23 17:28	1
1,4-Difluorobenzene (Surr)	95		70 - 130	12/29/22 13:04	01/03/23 17:28	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			01/04/23 09:12	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			01/03/23 10:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/30/22 08:23	12/30/22 18:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/30/22 08:23	12/30/22 18:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/30/22 08:23	12/30/22 18:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130	12/30/22 08:23	12/30/22 18:41	1
o-Terphenyl	112		70 - 130	12/30/22 08:23	12/30/22 18:41	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.04	U	5.04		mg/Kg			12/31/22 17:01	1

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

Lab Sample ID: 880-23050-10

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/23/22 13:34

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		12/29/22 13:04	01/03/23 17:49	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/29/22 13:04	01/03/23 17:49	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/29/22 13:04	01/03/23 17:49	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/29/22 13:04	01/03/23 17:49	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/29/22 13:04	01/03/23 17:49	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/29/22 13:04	01/03/23 17:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130	12/29/22 13:04	01/03/23 17:49	1
1,4-Difluorobenzene (Surr)	96		70 - 130	12/29/22 13:04	01/03/23 17:49	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23050-1
SDG: Lea Co.NM

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

Lab Sample ID: 880-23050-10

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/23/22 13:34

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			01/04/23 09:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	57.0		50.0		mg/Kg			01/03/23 10:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/30/22 08:23	12/30/22 19:04	1
Diesel Range Organics (Over C10-C28)	57.0		50.0		mg/Kg		12/30/22 08:23	12/30/22 19:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/30/22 08:23	12/30/22 19:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				12/30/22 08:23	12/30/22 19:04	1
o-Terphenyl	101		70 - 130				12/30/22 08:23	12/30/22 19:04	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	288		4.95		mg/Kg			12/31/22 17:06	1

Client Sample ID: H-11 (0-0.5')

Lab Sample ID: 880-23050-11

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/23/22 13:34

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		12/29/22 13:04	01/03/23 19:13	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/29/22 13:04	01/03/23 19:13	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/29/22 13:04	01/03/23 19:13	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/29/22 13:04	01/03/23 19:13	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/29/22 13:04	01/03/23 19:13	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/29/22 13:04	01/03/23 19:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				12/29/22 13:04	01/03/23 19:13	1
1,4-Difluorobenzene (Surr)	92		70 - 130				12/29/22 13:04	01/03/23 19:13	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			01/04/23 09:12	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			01/03/23 10:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/30/22 08:23	12/30/22 19:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/30/22 08:23	12/30/22 19:50	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23050-1
SDG: Lea Co.NM

Client Sample ID: H-11 (0-0.5')

Lab Sample ID: 880-23050-11

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/23/22 13:34

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		12/30/22 08:23	12/30/22 19:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				12/30/22 08:23	12/30/22 19:50	1
o-Terphenyl	86		70 - 130				12/30/22 08:23	12/30/22 19:50	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.02	U F1	5.02		mg/Kg			12/31/22 17:10	1

Client Sample ID: H-12 (0-0.5')

Lab Sample ID: 880-23050-12

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/23/22 13:34

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		12/29/22 13:04	01/03/23 19:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:04	01/03/23 19:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:04	01/03/23 19:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/29/22 13:04	01/03/23 19:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:04	01/03/23 19:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/29/22 13:04	01/03/23 19:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				12/29/22 13:04	01/03/23 19:34	1
1,4-Difluorobenzene (Surr)	93		70 - 130				12/29/22 13:04	01/03/23 19:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/04/23 09:12	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			01/03/23 10:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/30/22 08:23	12/30/22 20:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/30/22 08:23	12/30/22 20:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/30/22 08:23	12/30/22 20:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				12/30/22 08:23	12/30/22 20:14	1
o-Terphenyl	93		70 - 130				12/30/22 08:23	12/30/22 20:14	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	34.4		4.98		mg/Kg			12/31/22 17:24	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23050-1
SDG: Lea Co.NM

Client Sample ID: H-13 (0-0.5')

Lab Sample ID: 880-23050-13

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/23/22 13:34

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		12/29/22 13:04	01/03/23 19:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:04	01/03/23 19:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:04	01/03/23 19:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/29/22 13:04	01/03/23 19:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:04	01/03/23 19:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/29/22 13:04	01/03/23 19:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	12/29/22 13:04	01/03/23 19:54	1
1,4-Difluorobenzene (Surr)	94		70 - 130	12/29/22 13:04	01/03/23 19:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/04/23 09:12	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			01/03/23 10:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/30/22 08:23	12/30/22 20:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/30/22 08:23	12/30/22 20:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/30/22 08:23	12/30/22 20:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	12/30/22 08:23	12/30/22 20:37	1
o-Terphenyl	91		70 - 130	12/30/22 08:23	12/30/22 20:37	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.13		5.00		mg/Kg			12/31/22 17:29	1

Client Sample ID: H-14 (0-0.5')

Lab Sample ID: 880-23050-14

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/23/22 13:34

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		12/29/22 13:04	01/03/23 20:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:04	01/03/23 20:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:04	01/03/23 20:15	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/29/22 13:04	01/03/23 20:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:04	01/03/23 20:15	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/29/22 13:04	01/03/23 20:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	12/29/22 13:04	01/03/23 20:15	1
1,4-Difluorobenzene (Surr)	92		70 - 130	12/29/22 13:04	01/03/23 20:15	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23050-1
SDG: Lea Co.NM

Client Sample ID: H-14 (0-0.5')

Lab Sample ID: 880-23050-14

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/23/22 13:34

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			01/04/23 09:12	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			01/03/23 10:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/30/22 08:23	12/30/22 21:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/30/22 08:23	12/30/22 21:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/30/22 08:23	12/30/22 21:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				12/30/22 08:23	12/30/22 21:00	1
o-Terphenyl	99		70 - 130				12/30/22 08:23	12/30/22 21:00	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			12/31/22 17:43	1

Client Sample ID: H-15 (0-0.5')

Lab Sample ID: 880-23050-15

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/23/22 13:34

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		12/29/22 13:04	01/03/23 20:36	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:04	01/03/23 20:36	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:04	01/03/23 20:36	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/29/22 13:04	01/03/23 20:36	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:04	01/03/23 20:36	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/29/22 13:04	01/03/23 20:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				12/29/22 13:04	01/03/23 20:36	1
1,4-Difluorobenzene (Surr)	101		70 - 130				12/29/22 13:04	01/03/23 20:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/04/23 09:12	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			01/03/23 10:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/30/22 08:23	12/30/22 21:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/30/22 08:23	12/30/22 21:24	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23050-1
SDG: Lea Co.NM

Client Sample ID: H-15 (0-0.5')

Lab Sample ID: 880-23050-15

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/23/22 13:34

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		12/30/22 08:23	12/30/22 21:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				12/30/22 08:23	12/30/22 21:24	1
o-Terphenyl	78		70 - 130				12/30/22 08:23	12/30/22 21:24	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25.0		4.97		mg/Kg			12/31/22 17:48	1

Client Sample ID: H-16 (0-0.5')

Lab Sample ID: 880-23050-16

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/23/22 13:34

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		12/29/22 13:04	01/03/23 20:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:04	01/03/23 20:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:04	01/03/23 20:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/29/22 13:04	01/03/23 20:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/29/22 13:04	01/03/23 20:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/29/22 13:04	01/03/23 20:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				12/29/22 13:04	01/03/23 20:57	1
1,4-Difluorobenzene (Surr)	97		70 - 130				12/29/22 13:04	01/03/23 20:57	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/04/23 09:12	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			01/03/23 10:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/30/22 08:23	12/30/22 21:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/30/22 08:23	12/30/22 21:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/30/22 08:23	12/30/22 21:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	59	S1-	70 - 130				12/30/22 08:23	12/30/22 21:48	1
o-Terphenyl	55	S1-	70 - 130				12/30/22 08:23	12/30/22 21:48	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.96	U	4.96		mg/Kg			12/31/22 17:53	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23050-1
SDG: Lea Co.NM

Client Sample ID: H-17 (0-0.5')

Lab Sample ID: 880-23050-17

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/23/22 13:34

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		12/29/22 13:04	01/03/23 21:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:04	01/03/23 21:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:04	01/03/23 21:17	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/29/22 13:04	01/03/23 21:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:04	01/03/23 21:17	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/29/22 13:04	01/03/23 21:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				12/29/22 13:04	01/03/23 21:17	1
1,4-Difluorobenzene (Surr)	99		70 - 130				12/29/22 13:04	01/03/23 21:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			01/04/23 09:12	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			01/03/23 10:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/30/22 08:23	12/30/22 22:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/30/22 08:23	12/30/22 22:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/30/22 08:23	12/30/22 22:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130				12/30/22 08:23	12/30/22 22:12	1
o-Terphenyl	70		70 - 130				12/30/22 08:23	12/30/22 22:12	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.4		5.02		mg/Kg			01/03/23 11:33	1

Client Sample ID: H-18 (0-0.5')

Lab Sample ID: 880-23050-18

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/23/22 13:34

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		12/29/22 13:04	01/03/23 21:38	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/29/22 13:04	01/03/23 21:38	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/29/22 13:04	01/03/23 21:38	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/29/22 13:04	01/03/23 21:38	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/29/22 13:04	01/03/23 21:38	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/29/22 13:04	01/03/23 21:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130				12/29/22 13:04	01/03/23 21:38	1
1,4-Difluorobenzene (Surr)	98		70 - 130				12/29/22 13:04	01/03/23 21:38	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23050-1
SDG: Lea Co.NM

Client Sample ID: H-18 (0-0.5')

Lab Sample ID: 880-23050-18

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/23/22 13:34

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			01/04/23 09:12	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			01/03/23 10:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/30/22 08:23	12/30/22 22:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/30/22 08:23	12/30/22 22:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/30/22 08:23	12/30/22 22:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130				12/30/22 08:23	12/30/22 22:36	1
o-Terphenyl	73		70 - 130				12/30/22 08:23	12/30/22 22:36	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	275		25.3		mg/Kg			12/31/22 18:02	5

Client Sample ID: H-19 (0-0.5')

Lab Sample ID: 880-23050-19

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/23/22 13:34

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		12/29/22 13:04	01/03/23 21:59	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/29/22 13:04	01/03/23 21:59	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/29/22 13:04	01/03/23 21:59	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/29/22 13:04	01/03/23 21:59	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/29/22 13:04	01/03/23 21:59	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/29/22 13:04	01/03/23 21:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				12/29/22 13:04	01/03/23 21:59	1
1,4-Difluorobenzene (Surr)	99		70 - 130				12/29/22 13:04	01/03/23 21:59	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/04/23 09:12	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			01/03/23 10:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/30/22 08:23	12/30/22 23:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/30/22 08:23	12/30/22 23:00	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23050-1
SDG: Lea Co.NM

Client Sample ID: H-19 (0-0.5')

Lab Sample ID: 880-23050-19

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/23/22 13:34

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		12/30/22 08:23	12/30/22 23:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130	12/30/22 08:23	12/30/22 23:00	1
o-Terphenyl	86		70 - 130	12/30/22 08:23	12/30/22 23:00	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.5		5.04		mg/Kg			01/03/23 11:37	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23050-1
SDG: Lea Co.NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-23050-1	H-1 (0-0.5')	117	94
880-23050-1 MS	H-1 (0-0.5')	81	104
880-23050-1 MSD	H-1 (0-0.5')	102	94
880-23050-2	H-2 (0-0.5')	125	98
880-23050-3	H-3 (0-0.5')	125	92
880-23050-4	H-4 (0-0.5')	134 S1+	94
880-23050-5	H-5 (0-0.5')	123	95
880-23050-6	H-6 (0-0.5')	127	102
880-23050-7	H-7 (0-0.5')	123	94
880-23050-8	H-8 (0-0.5')	124	96
880-23050-9	H-9 (0-0.5')	123	95
880-23050-10	H-10 (0-0.5')	133 S1+	96
880-23050-11	H-11 (0-0.5')	117	92
880-23050-12	H-12 (0-0.5')	123	93
880-23050-13	H-13 (0-0.5')	123	94
880-23050-14	H-14 (0-0.5')	120	92
880-23050-15	H-15 (0-0.5')	120	101
880-23050-16	H-16 (0-0.5')	126	97
880-23050-17	H-17 (0-0.5')	123	99
880-23050-18	H-18 (0-0.5')	131 S1+	98
880-23050-19	H-19 (0-0.5')	123	99
LCS 880-42893/1-A	Lab Control Sample	101	92
LCSD 880-42893/2-A	Lab Control Sample Dup	101	92
MB 880-42893/5-A	Method Blank	102	86
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-23050-1	H-1 (0-0.5')	121	119
880-23050-1 MS	H-1 (0-0.5')	98	90
880-23050-1 MSD	H-1 (0-0.5')	91	84
880-23050-2	H-2 (0-0.5')	100	103
880-23050-3	H-3 (0-0.5')	103	105
880-23050-4	H-4 (0-0.5')	107	111
880-23050-5	H-5 (0-0.5')	96	99
880-23050-6	H-6 (0-0.5')	122	120
880-23050-7	H-7 (0-0.5')	119	117
880-23050-8	H-8 (0-0.5')	102	104
880-23050-9	H-9 (0-0.5')	115	112
880-23050-10	H-10 (0-0.5')	101	101
880-23050-11	H-11 (0-0.5')	88	86
880-23050-12	H-12 (0-0.5')	99	93
880-23050-13	H-13 (0-0.5')	99	91

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Surrogate Summary

Client: Carmona Resources

Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23050-1

SDG: Lea Co.NM

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	OTPH1				
		(70-130)	(70-130)				
880-23050-14	H-14 (0-0.5')	100	99				
880-23050-15	H-15 (0-0.5')	81	78				
880-23050-16	H-16 (0-0.5')	59 S1-	55 S1-				
880-23050-17	H-17 (0-0.5')	72	70				
880-23050-18	H-18 (0-0.5')	73	73				
880-23050-19	H-19 (0-0.5')	87	86				
LCS 880-42928/2-A	Lab Control Sample	102	115				
LCSD 880-42928/3-A	Lab Control Sample Dup	102	113				
MB 880-42928/1-A	Method Blank	113	127				
Surrogate Legend							
1CO = 1-Chlorooctane							
OTPH = o-Terphenyl							

QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23050-1
SDG: Lea Co.NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-42893/5-A

Matrix: Solid

Analysis Batch: 43041

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42893

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:04	01/03/23 14:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:04	01/03/23 14:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:04	01/03/23 14:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/29/22 13:04	01/03/23 14:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/29/22 13:04	01/03/23 14:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/29/22 13:04	01/03/23 14:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	12/29/22 13:04	01/03/23 14:20	1
1,4-Difluorobenzene (Surr)	86		70 - 130	12/29/22 13:04	01/03/23 14:20	1

Lab Sample ID: LCS 880-42893/1-A

Matrix: Solid

Analysis Batch: 43041

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42893

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09984		mg/Kg		100	70 - 130
Toluene	0.100	0.09819		mg/Kg		98	70 - 130
Ethylbenzene	0.100	0.09320		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	0.200	0.2026		mg/Kg		101	70 - 130
o-Xylene	0.100	0.1006		mg/Kg		101	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: LCSD 880-42893/2-A

Matrix: Solid

Analysis Batch: 43041

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42893

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.09826		mg/Kg		98	70 - 130	2	35
Toluene	0.100	0.09771		mg/Kg		98	70 - 130	0	35
Ethylbenzene	0.100	0.09177		mg/Kg		92	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.1991		mg/Kg		100	70 - 130	2	35
o-Xylene	0.100	0.09919		mg/Kg		99	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: 880-23050-1 MS

Matrix: Solid

Analysis Batch: 43041

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

Prep Type: Total/NA

Prep Batch: 42893

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U F1	0.100	0.07845		mg/Kg		78	70 - 130
Toluene	<0.00201	U F1	0.100	0.08019		mg/Kg		80	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23050-1
SDG: Lea Co.NM

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

Lab Sample ID: 880-23050-1 MS

Matrix: Solid

Analysis Batch: 43041

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

Prep Type: Total/NA

Prep Batch: 42893

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U F1	0.100	0.06343	F1	mg/Kg		63	70 - 130
m-Xylene & p-Xylene	<0.00402	U F1	0.200	0.1313	F1	mg/Kg		66	70 - 130
o-Xylene	<0.00201	U F1	0.100	0.06537	F1	mg/Kg		65	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	81		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 880-23050-1 MSD

Matrix: Solid

Analysis Batch: 43041

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

Prep Type: Total/NA

Prep Batch: 42893

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U F1	0.0990	0.06675	F1	mg/Kg		67	70 - 130	16	35
Toluene	<0.00201	U F1	0.0990	0.06084	F1	mg/Kg		61	70 - 130	27	35
Ethylbenzene	<0.00201	U F1	0.0990	0.05180	F1	mg/Kg		52	70 - 130	20	35
m-Xylene & p-Xylene	<0.00402	U F1	0.198	0.1130	F1	mg/Kg		57	70 - 130	15	35
o-Xylene	<0.00201	U F1	0.0990	0.05884	F1	mg/Kg		59	70 - 130	11	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

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

Lab Sample ID: MB 880-42928/1-A

Matrix: Solid

Analysis Batch: 42937

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42928

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		12/30/22 08:23	12/30/22 13:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/30/22 08:23	12/30/22 13:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/30/22 08:23	12/30/22 13:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	12/30/22 08:23	12/30/22 13:03	1
o-Terphenyl	127		70 - 130	12/30/22 08:23	12/30/22 13:03	1

Lab Sample ID: LCS 880-42928/2-A

Matrix: Solid

Analysis Batch: 42937

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42928

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	849.1		mg/Kg		85	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1082		mg/Kg		108	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23050-1
SDG: Lea Co.NM

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

Lab Sample ID: LCS 880-42928/2-A

Matrix: Solid

Analysis Batch: 42937

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42928

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	102		70 - 130
o-Terphenyl	115		70 - 130

Lab Sample ID: LCSD 880-42928/3-A

Matrix: Solid

Analysis Batch: 42937

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42928

			Spike	LCSD	LCSD				%Rec			
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	946.4		mg/Kg		95	70 - 130	11	20	
Diesel Range Organics (Over C10-C28)			1000	1085		mg/Kg		108	70 - 130	0	20	

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	102		70 - 130
o-Terphenyl	113		70 - 130

Lab Sample ID: 880-23050-1 MS

Matrix: Solid

Analysis Batch: 42937

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

Prep Type: Total/NA

Prep Batch: 42928

	Sample	Sample	Spike	MS	MS				%Rec			
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F2	999	1116		mg/Kg		109	70 - 130			
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1061		mg/Kg		104	70 - 130			

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	90		70 - 130

Lab Sample ID: 880-23050-1 MSD

Matrix: Solid

Analysis Batch: 42937

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

Prep Type: Total/NA

Prep Batch: 42928

	Sample	Sample	Spike	MSD	MSD				%Rec			
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F2	999	897.0	F2	mg/Kg		88	70 - 130	22	20	
Diesel Range Organics (Over C10-C28)	<49.9	U	999	976.9		mg/Kg		96	70 - 130	8	20	

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	91		70 - 130
o-Terphenyl	84		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23050-1
SDG: Lea Co.NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-42746/1-A

Matrix: Solid

Analysis Batch: 42908

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			12/31/22 15:50	1

Lab Sample ID: LCS 880-42746/2-A

Matrix: Solid

Analysis Batch: 42908

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	271.2		mg/Kg		108	90 - 110

Lab Sample ID: LCSD 880-42746/3-A

Matrix: Solid

Analysis Batch: 42908

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	274.4		mg/Kg		110	90 - 110	1	20

Lab Sample ID: 880-23050-1 MS

Matrix: Solid

Analysis Batch: 42908

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	37.4		249	308.8		mg/Kg		109	90 - 110

Lab Sample ID: 880-23050-1 MSD

Matrix: Solid

Analysis Batch: 42908

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	37.4		249	309.5		mg/Kg		109	90 - 110	0	20

Lab Sample ID: 880-23050-11 MS

Matrix: Solid

Analysis Batch: 42908

Client Sample ID: H-11 (0-0.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<5.02	U F1	251	304.5	F1	mg/Kg		120	90 - 110

Lab Sample ID: 880-23050-11 MSD

Matrix: Solid

Analysis Batch: 42908

Client Sample ID: H-11 (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	<5.02	U F1	251	297.3	F1	mg/Kg		117	90 - 110	2	20

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23050-1
SDG: Lea Co.NM

GC VOA

Prep Batch: 42893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23050-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-23050-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-23050-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-23050-4	H-4 (0-0.5')	Total/NA	Solid	5035	
880-23050-5	H-5 (0-0.5')	Total/NA	Solid	5035	
880-23050-6	H-6 (0-0.5')	Total/NA	Solid	5035	
880-23050-7	H-7 (0-0.5')	Total/NA	Solid	5035	
880-23050-8	H-8 (0-0.5')	Total/NA	Solid	5035	
880-23050-9	H-9 (0-0.5')	Total/NA	Solid	5035	
880-23050-10	H-10 (0-0.5')	Total/NA	Solid	5035	
880-23050-11	H-11 (0-0.5')	Total/NA	Solid	5035	
880-23050-12	H-12 (0-0.5')	Total/NA	Solid	5035	
880-23050-13	H-13 (0-0.5')	Total/NA	Solid	5035	
880-23050-14	H-14 (0-0.5')	Total/NA	Solid	5035	
880-23050-15	H-15 (0-0.5')	Total/NA	Solid	5035	
880-23050-16	H-16 (0-0.5')	Total/NA	Solid	5035	
880-23050-17	H-17 (0-0.5')	Total/NA	Solid	5035	
880-23050-18	H-18 (0-0.5')	Total/NA	Solid	5035	
880-23050-19	H-19 (0-0.5')	Total/NA	Solid	5035	
MB 880-42893/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-42893/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-42893/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-23050-1 MS	H-1 (0-0.5')	Total/NA	Solid	5035	
880-23050-1 MSD	H-1 (0-0.5')	Total/NA	Solid	5035	

Analysis Batch: 43041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23050-1	H-1 (0-0.5')	Total/NA	Solid	8021B	42893
880-23050-2	H-2 (0-0.5')	Total/NA	Solid	8021B	42893
880-23050-3	H-3 (0-0.5')	Total/NA	Solid	8021B	42893
880-23050-4	H-4 (0-0.5')	Total/NA	Solid	8021B	42893
880-23050-5	H-5 (0-0.5')	Total/NA	Solid	8021B	42893
880-23050-6	H-6 (0-0.5')	Total/NA	Solid	8021B	42893
880-23050-7	H-7 (0-0.5')	Total/NA	Solid	8021B	42893
880-23050-8	H-8 (0-0.5')	Total/NA	Solid	8021B	42893
880-23050-9	H-9 (0-0.5')	Total/NA	Solid	8021B	42893
880-23050-10	H-10 (0-0.5')	Total/NA	Solid	8021B	42893
880-23050-11	H-11 (0-0.5')	Total/NA	Solid	8021B	42893
880-23050-12	H-12 (0-0.5')	Total/NA	Solid	8021B	42893
880-23050-13	H-13 (0-0.5')	Total/NA	Solid	8021B	42893
880-23050-14	H-14 (0-0.5')	Total/NA	Solid	8021B	42893
880-23050-15	H-15 (0-0.5')	Total/NA	Solid	8021B	42893
880-23050-16	H-16 (0-0.5')	Total/NA	Solid	8021B	42893
880-23050-17	H-17 (0-0.5')	Total/NA	Solid	8021B	42893
880-23050-18	H-18 (0-0.5')	Total/NA	Solid	8021B	42893
880-23050-19	H-19 (0-0.5')	Total/NA	Solid	8021B	42893
MB 880-42893/5-A	Method Blank	Total/NA	Solid	8021B	42893
LCS 880-42893/1-A	Lab Control Sample	Total/NA	Solid	8021B	42893
LCSD 880-42893/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	42893
880-23050-1 MS	H-1 (0-0.5')	Total/NA	Solid	8021B	42893
880-23050-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8021B	42893

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23050-1
SDG: Lea Co.NM

GC VOA

Analysis Batch: 43119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23050-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-23050-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-23050-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-23050-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-23050-5	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-23050-6	H-6 (0-0.5')	Total/NA	Solid	Total BTEX	
880-23050-7	H-7 (0-0.5')	Total/NA	Solid	Total BTEX	
880-23050-8	H-8 (0-0.5')	Total/NA	Solid	Total BTEX	
880-23050-9	H-9 (0-0.5')	Total/NA	Solid	Total BTEX	
880-23050-10	H-10 (0-0.5')	Total/NA	Solid	Total BTEX	
880-23050-11	H-11 (0-0.5')	Total/NA	Solid	Total BTEX	
880-23050-12	H-12 (0-0.5')	Total/NA	Solid	Total BTEX	
880-23050-13	H-13 (0-0.5')	Total/NA	Solid	Total BTEX	
880-23050-14	H-14 (0-0.5')	Total/NA	Solid	Total BTEX	
880-23050-15	H-15 (0-0.5')	Total/NA	Solid	Total BTEX	
880-23050-16	H-16 (0-0.5')	Total/NA	Solid	Total BTEX	
880-23050-17	H-17 (0-0.5')	Total/NA	Solid	Total BTEX	
880-23050-18	H-18 (0-0.5')	Total/NA	Solid	Total BTEX	
880-23050-19	H-19 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 42928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23050-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-23050-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-23050-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-23050-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-23050-5	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-23050-6	H-6 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-23050-7	H-7 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-23050-8	H-8 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-23050-9	H-9 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-23050-10	H-10 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-23050-11	H-11 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-23050-12	H-12 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-23050-13	H-13 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-23050-14	H-14 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-23050-15	H-15 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-23050-16	H-16 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-23050-17	H-17 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-23050-18	H-18 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-23050-19	H-19 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-42928/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-42928/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-42928/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-23050-1 MS	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-23050-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23050-1
SDG: Lea Co.NM

GC Semi VOA

Analysis Batch: 42937

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23050-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	42928
880-23050-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	42928
880-23050-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	42928
880-23050-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	42928
880-23050-5	H-5 (0-0.5')	Total/NA	Solid	8015B NM	42928
880-23050-6	H-6 (0-0.5')	Total/NA	Solid	8015B NM	42928
880-23050-7	H-7 (0-0.5')	Total/NA	Solid	8015B NM	42928
880-23050-8	H-8 (0-0.5')	Total/NA	Solid	8015B NM	42928
880-23050-9	H-9 (0-0.5')	Total/NA	Solid	8015B NM	42928
880-23050-10	H-10 (0-0.5')	Total/NA	Solid	8015B NM	42928
880-23050-11	H-11 (0-0.5')	Total/NA	Solid	8015B NM	42928
880-23050-12	H-12 (0-0.5')	Total/NA	Solid	8015B NM	42928
880-23050-13	H-13 (0-0.5')	Total/NA	Solid	8015B NM	42928
880-23050-14	H-14 (0-0.5')	Total/NA	Solid	8015B NM	42928
880-23050-15	H-15 (0-0.5')	Total/NA	Solid	8015B NM	42928
880-23050-16	H-16 (0-0.5')	Total/NA	Solid	8015B NM	42928
880-23050-17	H-17 (0-0.5')	Total/NA	Solid	8015B NM	42928
880-23050-18	H-18 (0-0.5')	Total/NA	Solid	8015B NM	42928
880-23050-19	H-19 (0-0.5')	Total/NA	Solid	8015B NM	42928
MB 880-42928/1-A	Method Blank	Total/NA	Solid	8015B NM	42928
LCS 880-42928/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	42928
LCSD 880-42928/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	42928
880-23050-1 MS	H-1 (0-0.5')	Total/NA	Solid	8015B NM	42928
880-23050-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8015B NM	42928

Analysis Batch: 43065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23050-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-23050-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-23050-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-23050-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-23050-5	H-5 (0-0.5')	Total/NA	Solid	8015 NM	
880-23050-6	H-6 (0-0.5')	Total/NA	Solid	8015 NM	
880-23050-7	H-7 (0-0.5')	Total/NA	Solid	8015 NM	
880-23050-8	H-8 (0-0.5')	Total/NA	Solid	8015 NM	
880-23050-9	H-9 (0-0.5')	Total/NA	Solid	8015 NM	
880-23050-10	H-10 (0-0.5')	Total/NA	Solid	8015 NM	
880-23050-11	H-11 (0-0.5')	Total/NA	Solid	8015 NM	
880-23050-12	H-12 (0-0.5')	Total/NA	Solid	8015 NM	
880-23050-13	H-13 (0-0.5')	Total/NA	Solid	8015 NM	
880-23050-14	H-14 (0-0.5')	Total/NA	Solid	8015 NM	
880-23050-15	H-15 (0-0.5')	Total/NA	Solid	8015 NM	
880-23050-16	H-16 (0-0.5')	Total/NA	Solid	8015 NM	
880-23050-17	H-17 (0-0.5')	Total/NA	Solid	8015 NM	
880-23050-18	H-18 (0-0.5')	Total/NA	Solid	8015 NM	
880-23050-19	H-19 (0-0.5')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23050-1
SDG: Lea Co.NM

HPLC/IC

Leach Batch: 42746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23050-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-23050-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-23050-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-23050-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-23050-5	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-23050-6	H-6 (0-0.5')	Soluble	Solid	DI Leach	
880-23050-7	H-7 (0-0.5')	Soluble	Solid	DI Leach	
880-23050-8	H-8 (0-0.5')	Soluble	Solid	DI Leach	
880-23050-9	H-9 (0-0.5')	Soluble	Solid	DI Leach	
880-23050-10	H-10 (0-0.5')	Soluble	Solid	DI Leach	
880-23050-11	H-11 (0-0.5')	Soluble	Solid	DI Leach	
880-23050-12	H-12 (0-0.5')	Soluble	Solid	DI Leach	
880-23050-13	H-13 (0-0.5')	Soluble	Solid	DI Leach	
880-23050-14	H-14 (0-0.5')	Soluble	Solid	DI Leach	
880-23050-15	H-15 (0-0.5')	Soluble	Solid	DI Leach	
880-23050-16	H-16 (0-0.5')	Soluble	Solid	DI Leach	
880-23050-17	H-17 (0-0.5')	Soluble	Solid	DI Leach	
880-23050-18	H-18 (0-0.5')	Soluble	Solid	DI Leach	
880-23050-19	H-19 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-42746/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-42746/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-42746/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-23050-1 MS	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-23050-1 MSD	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-23050-11 MS	H-11 (0-0.5')	Soluble	Solid	DI Leach	
880-23050-11 MSD	H-11 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 42908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23050-1	H-1 (0-0.5')	Soluble	Solid	300.0	42746
880-23050-2	H-2 (0-0.5')	Soluble	Solid	300.0	42746
880-23050-3	H-3 (0-0.5')	Soluble	Solid	300.0	42746
880-23050-4	H-4 (0-0.5')	Soluble	Solid	300.0	42746
880-23050-5	H-5 (0-0.5')	Soluble	Solid	300.0	42746
880-23050-6	H-6 (0-0.5')	Soluble	Solid	300.0	42746
880-23050-7	H-7 (0-0.5')	Soluble	Solid	300.0	42746
880-23050-8	H-8 (0-0.5')	Soluble	Solid	300.0	42746
880-23050-9	H-9 (0-0.5')	Soluble	Solid	300.0	42746
880-23050-10	H-10 (0-0.5')	Soluble	Solid	300.0	42746
880-23050-11	H-11 (0-0.5')	Soluble	Solid	300.0	42746
880-23050-12	H-12 (0-0.5')	Soluble	Solid	300.0	42746
880-23050-13	H-13 (0-0.5')	Soluble	Solid	300.0	42746
880-23050-14	H-14 (0-0.5')	Soluble	Solid	300.0	42746
880-23050-15	H-15 (0-0.5')	Soluble	Solid	300.0	42746
880-23050-16	H-16 (0-0.5')	Soluble	Solid	300.0	42746
880-23050-17	H-17 (0-0.5')	Soluble	Solid	300.0	42746
880-23050-18	H-18 (0-0.5')	Soluble	Solid	300.0	42746
880-23050-19	H-19 (0-0.5')	Soluble	Solid	300.0	42746
MB 880-42746/1-A	Method Blank	Soluble	Solid	300.0	42746
LCS 880-42746/2-A	Lab Control Sample	Soluble	Solid	300.0	42746
LCSD 880-42746/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	42746

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23050-1
SDG: Lea Co.NM

HPLC/IC (Continued)

Analysis Batch: 42908 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23050-1 MS	H-1 (0-0.5')	Soluble	Solid	300.0	42746
880-23050-1 MSD	H-1 (0-0.5')	Soluble	Solid	300.0	42746
880-23050-11 MS	H-11 (0-0.5')	Soluble	Solid	300.0	42746
880-23050-11 MSD	H-11 (0-0.5')	Soluble	Solid	300.0	42746

- 1
- 2
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- 14

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23050-1
SDG: Lea Co.NM

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

Lab Sample ID: 880-23050-1

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/23/22 13:34

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	42893	12/29/22 13:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43041	01/03/23 14:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43119	01/04/23 09:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43065	01/03/23 10:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	42928	12/30/22 08:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42937	12/30/22 14:09	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	42746	12/27/22 16:01	KS	EET MID
Soluble	Analysis	300.0		1			42908	12/31/22 16:04	CH	EET MID

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

Lab Sample ID: 880-23050-2

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/23/22 13:34

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	42893	12/29/22 13:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43041	01/03/23 15:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43119	01/04/23 09:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43065	01/03/23 10:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42928	12/30/22 08:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42937	12/30/22 15:13	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	42746	12/27/22 16:01	KS	EET MID
Soluble	Analysis	300.0		1			42908	12/31/22 16:18	CH	EET MID

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

Lab Sample ID: 880-23050-3

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/23/22 13:34

Prep 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	42893	12/29/22 13:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43041	01/03/23 15:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43119	01/04/23 09:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43065	01/03/23 10:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42928	12/30/22 08:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42937	12/30/22 15:35	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	42746	12/27/22 16:01	KS	EET MID
Soluble	Analysis	300.0		1			42908	12/31/22 16:23	CH	EET MID

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

Lab Sample ID: 880-23050-4

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/23/22 13:34

Prep 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	42893	12/29/22 13:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43041	01/03/23 15:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43119	01/04/23 09:12	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23050-1
SDG: Lea Co.NM

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

Lab Sample ID: 880-23050-4

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/23/22 13:34

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			43065	01/03/23 10:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	42928	12/30/22 08:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42937	12/30/22 16:49	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	42746	12/27/22 16:01	KS	EET MID
Soluble	Analysis	300.0		1			42908	12/31/22 16:28	CH	EET MID

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

Lab Sample ID: 880-23050-5

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/23/22 13:34

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	42893	12/29/22 13:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43041	01/03/23 16:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43119	01/04/23 09:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43065	01/03/23 10:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	42928	12/30/22 08:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42937	12/30/22 17:11	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	42746	12/27/22 16:01	KS	EET MID
Soluble	Analysis	300.0		1			42908	01/03/23 11:28	CH	EET MID

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

Lab Sample ID: 880-23050-6

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/23/22 13:34

Prep 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	42893	12/29/22 13:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43041	01/03/23 16:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43119	01/04/23 09:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43065	01/03/23 10:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42928	12/30/22 08:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42937	12/30/22 17:33	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	42746	12/27/22 16:01	KS	EET MID
Soluble	Analysis	300.0		1			42908	12/31/22 16:47	CH	EET MID

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

Lab Sample ID: 880-23050-7

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/23/22 13:34

Prep 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	42893	12/29/22 13:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43041	01/03/23 16:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43119	01/04/23 09:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43065	01/03/23 10:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42928	12/30/22 08:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42937	12/30/22 17:56	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23050-1
SDG: Lea Co.NM

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

Lab Sample ID: 880-23050-7

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/23/22 13:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	42746	12/27/22 16:01	KS	EET MID
Soluble	Analysis	300.0		1			42908	12/31/22 16:51	CH	EET MID

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

Lab Sample ID: 880-23050-8

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/23/22 13:34

Prep 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	42893	12/29/22 13:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43041	01/03/23 17:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43119	01/04/23 09:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43065	01/03/23 10:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42928	12/30/22 08:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42937	12/30/22 18:18	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	42746	12/27/22 16:01	KS	EET MID
Soluble	Analysis	300.0		1			42908	12/31/22 16:56	CH	EET MID

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

Lab Sample ID: 880-23050-9

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/23/22 13:34

Prep 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	42893	12/29/22 13:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43041	01/03/23 17:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43119	01/04/23 09:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43065	01/03/23 10:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42928	12/30/22 08:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42937	12/30/22 18:41	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	42746	12/27/22 16:01	KS	EET MID
Soluble	Analysis	300.0		1			42908	12/31/22 17:01	CH	EET MID

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

Lab Sample ID: 880-23050-10

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/23/22 13:34

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	42893	12/29/22 13:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43041	01/03/23 17:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43119	01/04/23 09:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43065	01/03/23 10:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42928	12/30/22 08:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42937	12/30/22 19:04	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	42746	12/27/22 16:01	KS	EET MID
Soluble	Analysis	300.0		1			42908	12/31/22 17:06	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23050-1
SDG: Lea Co.NM

Client Sample ID: H-11 (0-0.5')**Lab Sample ID: 880-23050-11****Date Collected: 12/21/22 00:00****Matrix: Solid****Date Received: 12/23/22 13:34**

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	42893	12/29/22 13:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43041	01/03/23 19:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43119	01/04/23 09:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43065	01/03/23 10:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42928	12/30/22 08:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42937	12/30/22 19:50	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	42746	12/27/22 16:01	KS	EET MID
Soluble	Analysis	300.0		1			42908	12/31/22 17:10	CH	EET MID

Client Sample ID: H-12 (0-0.5')**Lab Sample ID: 880-23050-12****Date Collected: 12/21/22 00:00****Matrix: Solid****Date Received: 12/23/22 13:34**

Prep 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	42893	12/29/22 13:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43041	01/03/23 19:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43119	01/04/23 09:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43065	01/03/23 10:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42928	12/30/22 08:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42937	12/30/22 20:14	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	42746	12/27/22 16:01	KS	EET MID
Soluble	Analysis	300.0		1			42908	12/31/22 17:24	CH	EET MID

Client Sample ID: H-13 (0-0.5')**Lab Sample ID: 880-23050-13****Date Collected: 12/21/22 00:00****Matrix: Solid****Date Received: 12/23/22 13:34**

Prep 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	42893	12/29/22 13:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43041	01/03/23 19:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43119	01/04/23 09:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43065	01/03/23 10:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42928	12/30/22 08:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42937	12/30/22 20:37	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	42746	12/27/22 16:01	KS	EET MID
Soluble	Analysis	300.0		1			42908	12/31/22 17:29	CH	EET MID

Client Sample ID: H-14 (0-0.5')**Lab Sample ID: 880-23050-14****Date Collected: 12/21/22 00:00****Matrix: Solid****Date Received: 12/23/22 13:34**

Prep 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	42893	12/29/22 13:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43041	01/03/23 20:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43119	01/04/23 09:12	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23050-1
SDG: Lea Co.NM

Client Sample ID: H-14 (0-0.5')

Date Collected: 12/21/22 00:00

Date Received: 12/23/22 13:34

Lab Sample ID: 880-23050-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			43065	01/03/23 10:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42928	12/30/22 08:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42937	12/30/22 21:00	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	42746	12/27/22 16:01	KS	EET MID
Soluble	Analysis	300.0		1			42908	12/31/22 17:43	CH	EET MID

Client Sample ID: H-15 (0-0.5')

Date Collected: 12/21/22 00:00

Date Received: 12/23/22 13:34

Lab Sample ID: 880-23050-15

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	42893	12/29/22 13:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43041	01/03/23 20:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43119	01/04/23 09:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43065	01/03/23 10:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42928	12/30/22 08:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42937	12/30/22 21:24	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	42746	12/27/22 16:01	KS	EET MID
Soluble	Analysis	300.0		1			42908	12/31/22 17:48	CH	EET MID

Client Sample ID: H-16 (0-0.5')

Date Collected: 12/21/22 00:00

Date Received: 12/23/22 13:34

Lab Sample ID: 880-23050-16

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	42893	12/29/22 13:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43041	01/03/23 20:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43119	01/04/23 09:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43065	01/03/23 10:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42928	12/30/22 08:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42937	12/30/22 21:48	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	42746	12/27/22 16:01	KS	EET MID
Soluble	Analysis	300.0		1			42908	12/31/22 17:53	CH	EET MID

Client Sample ID: H-17 (0-0.5')

Date Collected: 12/21/22 00:00

Date Received: 12/23/22 13:34

Lab Sample ID: 880-23050-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	42893	12/29/22 13:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43041	01/03/23 21:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43119	01/04/23 09:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43065	01/03/23 10:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42928	12/30/22 08:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42937	12/30/22 22:12	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23050-1
SDG: Lea Co.NM

Client Sample ID: H-17 (0-0.5')

Date Collected: 12/21/22 00:00

Date Received: 12/23/22 13:34

Lab Sample ID: 880-23050-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	42746	12/27/22 16:01	KS	EET MID
Soluble	Analysis	300.0		1			42908	01/03/23 11:33	CH	EET MID

Client Sample ID: H-18 (0-0.5')

Date Collected: 12/21/22 00:00

Date Received: 12/23/22 13:34

Lab Sample ID: 880-23050-18

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	42893	12/29/22 13:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43041	01/03/23 21:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43119	01/04/23 09:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43065	01/03/23 10:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42928	12/30/22 08:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42937	12/30/22 22:36	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	42746	12/27/22 16:01	KS	EET MID
Soluble	Analysis	300.0		5			42908	12/31/22 18:02	CH	EET MID

Client Sample ID: H-19 (0-0.5')

Date Collected: 12/21/22 00:00

Date Received: 12/23/22 13:34

Lab Sample ID: 880-23050-19

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	42893	12/29/22 13:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43041	01/03/23 21:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43119	01/04/23 09:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43065	01/03/23 10:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	42928	12/30/22 08:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42937	12/30/22 23:00	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	42746	12/27/22 16:01	KS	EET MID
Soluble	Analysis	300.0		1			42908	01/03/23 11:37	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23050-1
SDG: Lea Co.NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23050-1
SDG: Lea Co.NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	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: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-23050-1
SDG: Lea Co.NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-23050-1	H-1 (0-0.5')	Solid	12/21/22 00:00	12/23/22 13:34
880-23050-2	H-2 (0-0.5')	Solid	12/21/22 00:00	12/23/22 13:34
880-23050-3	H-3 (0-0.5')	Solid	12/21/22 00:00	12/23/22 13:34
880-23050-4	H-4 (0-0.5')	Solid	12/21/22 00:00	12/23/22 13:34
880-23050-5	H-5 (0-0.5')	Solid	12/21/22 00:00	12/23/22 13:34
880-23050-6	H-6 (0-0.5')	Solid	12/21/22 00:00	12/23/22 13:34
880-23050-7	H-7 (0-0.5')	Solid	12/21/22 00:00	12/23/22 13:34
880-23050-8	H-8 (0-0.5')	Solid	12/21/22 00:00	12/23/22 13:34
880-23050-9	H-9 (0-0.5')	Solid	12/21/22 00:00	12/23/22 13:34
880-23050-10	H-10 (0-0.5')	Solid	12/21/22 00:00	12/23/22 13:34
880-23050-11	H-11 (0-0.5')	Solid	12/21/22 00:00	12/23/22 13:34
880-23050-12	H-12 (0-0.5')	Solid	12/21/22 00:00	12/23/22 13:34
880-23050-13	H-13 (0-0.5')	Solid	12/21/22 00:00	12/23/22 13:34
880-23050-14	H-14 (0-0.5')	Solid	12/21/22 00:00	12/23/22 13:34
880-23050-15	H-15 (0-0.5')	Solid	12/21/22 00:00	12/23/22 13:34
880-23050-16	H-16 (0-0.5')	Solid	12/21/22 00:00	12/23/22 13:34
880-23050-17	H-17 (0-0.5')	Solid	12/21/22 00:00	12/23/22 13:34
880-23050-18	H-18 (0-0.5')	Solid	12/21/22 00:00	12/23/22 13:34
880-23050-19	H-19 (0-0.5')	Solid	12/21/22 00:00	12/23/22 13:34

Work Order No: 23050

1/4/2023

Page 1 of 2

Project Manager	Connor Moehring	Bill to (if different)	Joseph Vargo
Company Name	Carmona Resources	Company Name	NGL Water Solutions Permian
Address	310 W Wall St Ste 415	Address	865 N Albino Street, Suite 400
City, State ZIP	Midland, TX 79701	City, State ZIP	Denver CO 80220
Phone	(432) 813-6823	Email	Joseph.Vargo@nglep.com

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

Project Name		Vaca Draw Federal SWD (12 09 22)		Turn Around		Pres. Code		ANALYSIS REQUEST												Preservative Codes							
Project Number		1207		☒ Routine ☐ Rush		Due Date														None NO DI Water: H ₂ O							
Project Location		Lea Co NM		Due Date																Cool Cool MeOH Me							
Sampler's Name		GPJ																		HCL HC HNO ₃ HN							
PO #																				H ₂ SO ₄ H ₂ NaOH Na							
SAMPLE RECEIPT		Temp Blank		Yes No		Wet Ice		Yes No														H ₃ PO ₄ HP					
Received Intact		Yes No		Thermometer ID																NaHSO ₄ NABIS							
Cooler Custody Seals		Yes No N/A		Correction Factor																Na ₂ S ₂ O ₃ NaSO ₃							
Sample Custody Seals		Yes No N/A		Temperature Reading																Zn Acetate+NaOH Zn							
Total Containers				Corrected Temperature																NaOH+Ascorbic Acid SAPC							
Sample Identification		Date		Time		Soil		Water		Grab/ Comp		# of Cont														Sample Comments	
H-1 (0-0 5')		12/21/2022				X				G		1		x x x												402	
H-2 (0-0 5')		12/21/2022				X				G		1		x x x													
H-3 (0-0 5')		12/21/2022				X				G		1		x x x													
H-4 (0-0 5')		12/21/2022				X				G		1		x x x													
H-5 (0-0 5')		12/21/2022				X				G		1		x x x													
H-6 (0-0 5')		12/21/2022				X				G		1		x x x													
H-7 (0-0 5')		12/21/2022				X				G		1		x x x													
H-8 (0-0 5')		12/21/2022				X				G		1		x x x													
H-9 (0-0 5')		12/21/2022				X				G		1		x x x													
H-10 (0-0 5')		12/21/2022				X				G		1		x x x													



880-23050 Chain of Custody

Comments:	

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
<i>[Signature]</i>	12/22 1:34	<i>[Signature]</i>	

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Released to Imaging: 9/29/2023 11:14:42 AM

Work Order No: 23050

1/4/2023

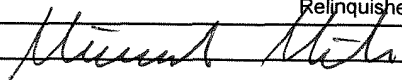
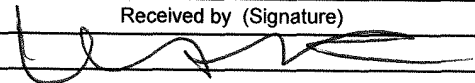
Page 2 of 2

Project Manager	Connor Moehring	Bill to (if different)	Joseph Vargo
Company Name	Carmona Resources	Company Name:	NGL Water Solutions Permian
Address	310 W Wall St Ste 415	Address	865 N Albino Street, Suite 400
City, State ZIP	Midland, TX 79701	City, State ZIP	Denver, CO 80220
Phone	(432) 813-6823	Email	Joseph.Vargo@nqlep.com

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

Project Name	Vaca Draw Federal SWD (12 09 22)			Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes																
Project Number	1207			☒ Routine ☐ Rush			Parameters																	None NO DI Water H ₂ O															
Project Location	Lea Co NM			Due Date																				Cool Cool MeOH Me															
Sampler's Name	GPJ																							HCL HC HNO ₃ HN															
PO #						BTEX 8021B																		TPH 8015M (GRO + DRO + MRO)	Chloride 300 0														
SAMPLE RECEIPT		Temp Blank	Yes No	Wet Ice	Yes No		H ₃ PO ₄ HP																																
Received Intact:		Yes No	Thermometer ID		NaHSO ₄ NABIS																																		
Cooler Custody Seals		Yes No N/A	Correction Factor		Na ₂ S ₂ O ₃ NaSO ₃																																		
Sample Custody Seals		Yes No N/A	Temperature Reading		Zn Acetate+NaOH Zn																		NaOH+Ascorbic Acid SAPC																
Total Containers		Corrected Temperature				Sample Comments																																	
Sample Identification		Date	Time	Soil	Water	Grab/ Comp																	# of Cont																
H-11 (0-0 5')		12/21/2022		X		G																	1																
H-12 (0-0 5')		12/21/2022		X		G	1																																
H-13 (0-0 5')		12/21/2022		X		G	1																																
H-14 (0-0 5')		12/21/2022		X		G	1																																
H-15 (0-0 5')		12/21/2022		X		G	1																																
H-16 (0-0 5')		12/21/2022		X		G	1																																
H-17 (0-0 5')		12/21/2022		X		G	1																																
H-18 (0-0 5')		12/21/2022		X		G	1																																
H-19 (0-0 5')		12/21/2022		X		G	1																																

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	12/27 1:34		

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Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-23050-1

SDG Number: Lea Co.NM

Login Number: 23050

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	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 3/7/2023 12:43:26 PM

JOB DESCRIPTION

Vaca Draw Federal SWD (12.09.22)
SDG NUMBER Lea Co. NM

JOB NUMBER

880-25053-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland**Job Notes**

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

Authorization

Generated
3/7/2023 12:43:26 PM

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

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Laboratory Job ID: 880-25053-1
SDG: Lea Co. NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

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

Eurofins Midland

Case Narrative

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Job ID: 880-25053-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-25053-1

Receipt

The samples were received on 2/22/2023 10:42 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.8°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: T-1 (5') (880-25053-1), T-1 (6') (880-25053-2), T-1 (7') (880-25053-3), T-1 (8') (880-25053-4), T-2 (5') (880-25053-5), T-2 (6') (880-25053-6), T-2 (7') (880-25053-7), T-2 (8') (880-25053-8), T-2 (9') (880-25053-9), T-2 (10') (880-25053-10), T-2 (11') (880-25053-11), T-2 (12') (880-25053-12), T-2 (13') (880-25053-13), T-3 (0-1') (880-25053-14), T-3 (1.5') (880-25053-15), T-3 (2') (880-25053-16), T-3 (3') (880-25053-17), T-3 (4') (880-25053-18), T-3 (5') (880-25053-19), T-3 (6') (880-25053-20), T-3 (7') (880-25053-21), T-3 (8') (880-25053-22), T-3 (9') (880-25053-23), T-3 (10') (880-25053-24), T-3 (11') (880-25053-25), T-4 (6') (880-25053-26), T-4 (7') (880-25053-27), T-4 (8') (880-25053-28), T-4 (9') (880-25053-29), T-4 (10') (880-25053-30), T-4 (11') (880-25053-31), T-4 (12') (880-25053-32), T-5 (6') (880-25053-33), T-5 (7') (880-25053-34), T-5 (8') (880-25053-35), T-5 (9') (880-25053-36), T-5 (10') (880-25053-37), T-5 (11') (880-25053-38), T-6 (5') (880-25053-39), T-6 (6') (880-25053-40), T-7 (5') (880-25053-41), T-7 (6') (880-25053-42), T-7 (7') (880-25053-43), T-7 (8') (880-25053-44), T-7 (9') (880-25053-45), T-8 (5') (880-25053-46), T-8 (6') (880-25053-47), T-8 (7') (880-25053-48), T-8 (8') (880-25053-49), T-8 (9') (880-25053-50), T-9 (6') (880-25053-51), T-9 (7') (880-25053-52) and T-9 (8') (880-25053-53).

GC VOA

Method 8021B: LCSD biased high. Since only an acceptable LCS is required per the method, the data has been qualified and reported. (LCSD 880-47407/2-A)

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-47407 and analytical batch 880-47466 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 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-47339 and analytical batch 880-47509 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 8021B: Surrogate recovery for the following sample was outside control limits: T-3 (0-1') (880-25053-14). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCS 880-47616/1-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (890-4197-A-10-H). 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 880-47340 and analytical batch 880-47617 was outside the 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: The surrogate recovery for the blank associated with preparation batch 880-47205 and analytical batch 880-47221 was outside the upper control limits.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-47232 and analytical batch 880-47241 was outside the upper control limits.

Case Narrative

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Job ID: 880-25053-1 (Continued)**Laboratory: Eurofins Midland (Continued)**

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-47241/20), (CCV 880-47241/31), (CCV 880-47241/5) and (LCSD 880-47232/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: T-3 (7') (880-25053-21). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: T-3 (9') (880-25053-23), T-4 (6') (880-25053-26) and T-4 (7') (880-25053-27). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: T-5 (6') (880-25053-33) and T-5 (11') (880-25053-38). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-47231 and analytical batch 880-47263 was outside the upper control limits.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-47231 and analytical batch 880-47263 was outside control limits. Sample non-homogeneity is suspected.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-47233 and analytical batch 880-47265 was outside the upper control limits.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-47156 and analytical batch 880-47304 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 880-47157 and analytical batch 880-47378 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-1 (5')

Lab Sample ID: 880-25053-1

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U F2 F1	0.00198		mg/Kg		02/27/23 15:01	03/01/23 12:16	1
Toluene	<0.00198	U F1	0.00198		mg/Kg		02/27/23 15:01	03/01/23 12:16	1
Ethylbenzene	<0.00198	U F1	0.00198		mg/Kg		02/27/23 15:01	03/01/23 12:16	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/27/23 15:01	03/01/23 12:16	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/27/23 15:01	03/01/23 12:16	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/27/23 15:01	03/01/23 12:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				02/27/23 15:01	03/01/23 12:16	1
1,4-Difluorobenzene (Surr)	96		70 - 130				02/27/23 15:01	03/01/23 12:16	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			03/01/23 17:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/28/23 11:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F2	49.9		mg/Kg		02/25/23 09:58	02/27/23 11:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 11:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 11:05	1
Total TPH	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 11:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				02/25/23 09:58	02/27/23 11:05	1
o-Terphenyl	113		70 - 130				02/25/23 09:58	02/27/23 11:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1510		25.1		mg/Kg			02/27/23 09:19	5

Client Sample ID: T-1 (6')

Lab Sample ID: 880-25053-2

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/27/23 15:01	03/01/23 12:36	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/27/23 15:01	03/01/23 12:36	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/27/23 15:01	03/01/23 12:36	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/27/23 15:01	03/01/23 12:36	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/27/23 15:01	03/01/23 12:36	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/27/23 15:01	03/01/23 12:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130				02/27/23 15:01	03/01/23 12:36	1
1,4-Difluorobenzene (Surr)	109		70 - 130				02/27/23 15:01	03/01/23 12:36	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-1 (6')

Lab Sample ID: 880-25053-2

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/01/23 17:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/28/23 11:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 12:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 12:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 12:11	1
Total TPH	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 12:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	02/25/23 09:58	02/27/23 12:11	1
o-Terphenyl	100		70 - 130	02/25/23 09:58	02/27/23 12:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1610		25.1		mg/Kg			02/27/23 09:38	5

Client Sample ID: T-1 (7')

Lab Sample ID: 880-25053-3

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/27/23 15:01	03/01/23 12:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/27/23 15:01	03/01/23 12:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/27/23 15:01	03/01/23 12:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/27/23 15:01	03/01/23 12:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/27/23 15:01	03/01/23 12:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/27/23 15:01	03/01/23 12:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	02/27/23 15:01	03/01/23 12:57	1
1,4-Difluorobenzene (Surr)	108		70 - 130	02/27/23 15:01	03/01/23 12:57	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/01/23 17:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/28/23 11:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 12:34	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-1 (7')

Lab Sample ID: 880-25053-3

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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		02/25/23 09:58	02/27/23 12:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 12:34	1
Total TPH	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 12:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				02/25/23 09:58	02/27/23 12:34	1
o-Terphenyl	104		70 - 130				02/25/23 09:58	02/27/23 12:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	270		4.99		mg/Kg			02/27/23 09:44	1

Client Sample ID: T-1 (8')

Lab Sample ID: 880-25053-4

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/27/23 15:01	03/01/23 13:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/27/23 15:01	03/01/23 13:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/27/23 15:01	03/01/23 13:18	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/27/23 15:01	03/01/23 13:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/27/23 15:01	03/01/23 13:18	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/27/23 15:01	03/01/23 13:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				02/27/23 15:01	03/01/23 13:18	1
1,4-Difluorobenzene (Surr)	85		70 - 130				02/27/23 15:01	03/01/23 13:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/01/23 17:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/28/23 11:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/25/23 09:58	02/27/23 12:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/25/23 09:58	02/27/23 12:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/25/23 09:58	02/27/23 12:57	1
Total TPH	<50.0	U	50.0		mg/Kg		02/25/23 09:58	02/27/23 12:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				02/25/23 09:58	02/27/23 12:57	1
o-Terphenyl	94		70 - 130				02/25/23 09:58	02/27/23 12:57	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-1 (8')

Lab Sample ID: 880-25053-4

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	139		5.05		mg/Kg			02/27/23 09:50	1

Client Sample ID: T-2 (5')

Lab Sample ID: 880-25053-5

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/27/23 15:01	03/01/23 13:39	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/27/23 15:01	03/01/23 13:39	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/27/23 15:01	03/01/23 13:39	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/27/23 15:01	03/01/23 13:39	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/27/23 15:01	03/01/23 13:39	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/27/23 15:01	03/01/23 13:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	02/27/23 15:01	03/01/23 13:39	1
1,4-Difluorobenzene (Surr)	76		70 - 130	02/27/23 15:01	03/01/23 13:39	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			03/01/23 17:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/28/23 11:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 13:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 13:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 13:20	1
Total TPH	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 13:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130	02/25/23 09:58	02/27/23 13:20	1
o-Terphenyl	94		70 - 130	02/25/23 09:58	02/27/23 13:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1070		25.2		mg/Kg			02/27/23 09:56	5

Client Sample ID: T-2 (6')

Lab Sample ID: 880-25053-6

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/27/23 15:01	03/01/23 14:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/27/23 15:01	03/01/23 14:17	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-2 (6')

Lab Sample ID: 880-25053-6

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/27/23 15:01	03/01/23 14:17	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/27/23 15:01	03/01/23 14:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/27/23 15:01	03/01/23 14:17	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/27/23 15:01	03/01/23 14:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				02/27/23 15:01	03/01/23 14:17	1
1,4-Difluorobenzene (Surr)	81		70 - 130				02/27/23 15:01	03/01/23 14:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			03/01/23 17:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/28/23 11:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 13:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 13:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 13:42	1
Total TPH	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 13:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				02/25/23 09:58	02/27/23 13:42	1
o-Terphenyl	111		70 - 130				02/25/23 09:58	02/27/23 13:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2590		25.0		mg/Kg			02/27/23 10:15	5

Client Sample ID: T-2 (7')

Lab Sample ID: 880-25053-7

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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		02/27/23 15:01	03/01/23 14:39	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/27/23 15:01	03/01/23 14:39	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/27/23 15:01	03/01/23 14:39	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/27/23 15:01	03/01/23 14:39	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/27/23 15:01	03/01/23 14:39	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/27/23 15:01	03/01/23 14:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				02/27/23 15:01	03/01/23 14:39	1
1,4-Difluorobenzene (Surr)	92		70 - 130				02/27/23 15:01	03/01/23 14:39	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-2 (7')

Lab Sample ID: 880-25053-7

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			03/01/23 17:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/28/23 11:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 14:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 14:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 14:04	1
Total TPH	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 14:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	02/25/23 09:58	02/27/23 14:04	1
o-Terphenyl	108		70 - 130	02/25/23 09:58	02/27/23 14:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3110		25.0		mg/Kg			02/27/23 10:21	5

Client Sample ID: T-2 (8')

Lab Sample ID: 880-25053-8

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/27/23 15:01	03/01/23 15:00	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/27/23 15:01	03/01/23 15:00	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/27/23 15:01	03/01/23 15:00	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/27/23 15:01	03/01/23 15:00	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/27/23 15:01	03/01/23 15:00	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/27/23 15:01	03/01/23 15:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	02/27/23 15:01	03/01/23 15:00	1
1,4-Difluorobenzene (Surr)	114		70 - 130	02/27/23 15:01	03/01/23 15:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/01/23 17:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/28/23 11:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 14:26	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-2 (8')

Lab Sample ID: 880-25053-8

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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		02/25/23 09:58	02/27/23 14:26	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 14:26	1
Total TPH	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 14:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				02/25/23 09:58	02/27/23 14:26	1
o-Terphenyl	102		70 - 130				02/25/23 09:58	02/27/23 14:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1390		25.2		mg/Kg			02/27/23 10:27	5

Client Sample ID: T-2 (9')

Lab Sample ID: 880-25053-9

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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		02/27/23 15:01	03/01/23 15:20	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/27/23 15:01	03/01/23 15:20	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/27/23 15:01	03/01/23 15:20	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/27/23 15:01	03/01/23 15:20	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/27/23 15:01	03/01/23 15:20	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/27/23 15:01	03/01/23 15:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				02/27/23 15:01	03/01/23 15:20	1
1,4-Difluorobenzene (Surr)	107		70 - 130				02/27/23 15:01	03/01/23 15:20	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			03/01/23 17:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/28/23 11:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/25/23 09:58	02/27/23 14:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/25/23 09:58	02/27/23 14:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/25/23 09:58	02/27/23 14:48	1
Total TPH	<50.0	U	50.0		mg/Kg		02/25/23 09:58	02/27/23 14:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				02/25/23 09:58	02/27/23 14:48	1
o-Terphenyl	107		70 - 130				02/25/23 09:58	02/27/23 14:48	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-2 (9')

Lab Sample ID: 880-25053-9

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1360		25.1		mg/Kg			02/27/23 10:33	5

Client Sample ID: T-2 (10')

Lab Sample ID: 880-25053-10

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/27/23 15:01	03/01/23 15:41	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/27/23 15:01	03/01/23 15:41	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/27/23 15:01	03/01/23 15:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/27/23 15:01	03/01/23 15:41	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/27/23 15:01	03/01/23 15:41	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/27/23 15:01	03/01/23 15:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	02/27/23 15:01	03/01/23 15:41	1
1,4-Difluorobenzene (Surr)	110		70 - 130	02/27/23 15:01	03/01/23 15:41	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/01/23 17:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/28/23 11:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 15:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 15:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 15:10	1
Total TPH	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 15:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	02/25/23 09:58	02/27/23 15:10	1
o-Terphenyl	105		70 - 130	02/25/23 09:58	02/27/23 15:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1470		24.9		mg/Kg			02/27/23 10:40	5

Client Sample ID: T-2 (11')

Lab Sample ID: 880-25053-11

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/27/23 15:01	03/01/23 17:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/27/23 15:01	03/01/23 17:05	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-2 (11')

Lab Sample ID: 880-25053-11

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/27/23 15:01	03/01/23 17:05	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/27/23 15:01	03/01/23 17:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/27/23 15:01	03/01/23 17:05	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/27/23 15:01	03/01/23 17:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				02/27/23 15:01	03/01/23 17:05	1
1,4-Difluorobenzene (Surr)	99		70 - 130				02/27/23 15:01	03/01/23 17:05	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			03/02/23 10:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/28/23 11:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 15:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 15:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 15:56	1
Total TPH	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 15:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				02/25/23 09:58	02/27/23 15:56	1
o-Terphenyl	99		70 - 130				02/25/23 09:58	02/27/23 15:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1320		24.8		mg/Kg			02/27/23 10:46	5

Client Sample ID: T-2 (12')

Lab Sample ID: 880-25053-12

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/27/23 15:01	03/01/23 17:26	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/27/23 15:01	03/01/23 17:26	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/27/23 15:01	03/01/23 17:26	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/27/23 15:01	03/01/23 17:26	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/27/23 15:01	03/01/23 17:26	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/27/23 15:01	03/01/23 17:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				02/27/23 15:01	03/01/23 17:26	1
1,4-Difluorobenzene (Surr)	99		70 - 130				02/27/23 15:01	03/01/23 17:26	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-2 (12')

Lab Sample ID: 880-25053-12

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/02/23 10:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/28/23 11:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 16:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 16:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 16:19	1
Total TPH	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 16:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130	02/25/23 09:58	02/27/23 16:19	1
o-Terphenyl	90		70 - 130	02/25/23 09:58	02/27/23 16:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1250		24.8		mg/Kg			02/27/23 11:04	5

Client Sample ID: T-2 (13')

Lab Sample ID: 880-25053-13

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/27/23 15:01	03/01/23 17:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/27/23 15:01	03/01/23 17:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/27/23 15:01	03/01/23 17:46	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/27/23 15:01	03/01/23 17:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/27/23 15:01	03/01/23 17:46	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/27/23 15:01	03/01/23 17:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	02/27/23 15:01	03/01/23 17:46	1
1,4-Difluorobenzene (Surr)	114		70 - 130	02/27/23 15:01	03/01/23 17:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			03/02/23 10:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/28/23 11:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 16:41	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-2 (13')

Lab Sample ID: 880-25053-13

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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		02/25/23 09:58	02/27/23 16:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 16:41	1
Total TPH	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 16:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				02/25/23 09:58	02/27/23 16:41	1
o-Terphenyl	98		70 - 130				02/25/23 09:58	02/27/23 16:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1220		24.9		mg/Kg			02/27/23 11:10	5

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

Lab Sample ID: 880-25053-14

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/27/23 15:01	03/01/23 18:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/27/23 15:01	03/01/23 18:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/27/23 15:01	03/01/23 18:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/27/23 15:01	03/01/23 18:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/27/23 15:01	03/01/23 18:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/27/23 15:01	03/01/23 18:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130				02/27/23 15:01	03/01/23 18:07	1
1,4-Difluorobenzene (Surr)	103		70 - 130				02/27/23 15:01	03/01/23 18:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/02/23 10:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/28/23 11:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 17:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 17:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 17:03	1
Total TPH	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 17:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				02/25/23 09:58	02/27/23 17:03	1
o-Terphenyl	101		70 - 130				02/25/23 09:58	02/27/23 17:03	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

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

Lab Sample ID: 880-25053-14

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7560		50.3		mg/Kg			02/27/23 11:29	10

Client Sample ID: T-3 (1.5')

Lab Sample ID: 880-25053-15

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/02/23 09:28	03/02/23 12:11	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/02/23 09:28	03/02/23 12:11	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/02/23 09:28	03/02/23 12:11	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/02/23 09:28	03/02/23 12:11	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/02/23 09:28	03/02/23 12:11	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/02/23 09:28	03/02/23 12:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	03/02/23 09:28	03/02/23 12:11	1
1,4-Difluorobenzene (Surr)	89		70 - 130	03/02/23 09:28	03/02/23 12:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			03/02/23 16:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/28/23 11:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/25/23 09:58	02/27/23 17:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/25/23 09:58	02/27/23 17:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/25/23 09:58	02/27/23 17:24	1
Total TPH	<50.0	U	50.0		mg/Kg		02/25/23 09:58	02/27/23 17:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	02/25/23 09:58	02/27/23 17:24	1
o-Terphenyl	103		70 - 130	02/25/23 09:58	02/27/23 17:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3940		50.0		mg/Kg			02/27/23 11:35	10

Client Sample ID: T-3 (2')

Lab Sample ID: 880-25053-16

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/02/23 09:28	03/02/23 12:31	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/02/23 09:28	03/02/23 12:31	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-3 (2')

Lab Sample ID: 880-25053-16

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/02/23 09:28	03/02/23 12:31	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/02/23 09:28	03/02/23 12:31	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/02/23 09:28	03/02/23 12:31	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/02/23 09:28	03/02/23 12:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130				03/02/23 09:28	03/02/23 12:31	1
1,4-Difluorobenzene (Surr)	78		70 - 130				03/02/23 09:28	03/02/23 12:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/02/23 16:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/28/23 11:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 17:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 17:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 17:47	1
Total TPH	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 17:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				02/25/23 09:58	02/27/23 17:47	1
o-Terphenyl	92		70 - 130				02/25/23 09:58	02/27/23 17:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	221		4.98		mg/Kg			02/27/23 11:41	1

Client Sample ID: T-3 (3')

Lab Sample ID: 880-25053-17

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/02/23 09:28	03/02/23 12:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/02/23 09:28	03/02/23 12:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/02/23 09:28	03/02/23 12:52	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/02/23 09:28	03/02/23 12:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/02/23 09:28	03/02/23 12:52	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/02/23 09:28	03/02/23 12:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				03/02/23 09:28	03/02/23 12:52	1
1,4-Difluorobenzene (Surr)	78		70 - 130				03/02/23 09:28	03/02/23 12:52	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-3 (3')

Lab Sample ID: 880-25053-17

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			03/02/23 16:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/28/23 11:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 18:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 18:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 18:09	1
Total TPH	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 18:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	02/25/23 09:58	02/27/23 18:09	1
o-Terphenyl	103		70 - 130	02/25/23 09:58	02/27/23 18:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	60.7		4.97		mg/Kg			02/27/23 11:47	1

Client Sample ID: T-3 (4')

Lab Sample ID: 880-25053-18

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/02/23 09:28	03/02/23 13:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/02/23 09:28	03/02/23 13:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/02/23 09:28	03/02/23 13:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/02/23 09:28	03/02/23 13:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/02/23 09:28	03/02/23 13:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/02/23 09:28	03/02/23 13:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130	03/02/23 09:28	03/02/23 13:12	1
1,4-Difluorobenzene (Surr)	78		70 - 130	03/02/23 09:28	03/02/23 13:12	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			03/02/23 16:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/28/23 11:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 18:31	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-3 (4')

Lab Sample ID: 880-25053-18

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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		02/25/23 09:58	02/27/23 18:31	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 18:31	1
Total TPH	<49.9	U	49.9		mg/Kg		02/25/23 09:58	02/27/23 18:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				02/25/23 09:58	02/27/23 18:31	1
o-Terphenyl	94		70 - 130				02/25/23 09:58	02/27/23 18:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	143		5.02		mg/Kg			02/27/23 11:53	1

Client Sample ID: T-3 (5')

Lab Sample ID: 880-25053-19

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/02/23 09:28	03/02/23 13:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/02/23 09:28	03/02/23 13:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/02/23 09:28	03/02/23 13:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/02/23 09:28	03/02/23 13:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/02/23 09:28	03/02/23 13:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/02/23 09:28	03/02/23 13:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				03/02/23 09:28	03/02/23 13:33	1
1,4-Difluorobenzene (Surr)	86		70 - 130				03/02/23 09:28	03/02/23 13:33	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			03/02/23 16:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/28/23 11:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/25/23 09:58	02/27/23 18:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/25/23 09:58	02/27/23 18:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/25/23 09:58	02/27/23 18:53	1
Total TPH	<50.0	U	50.0		mg/Kg		02/25/23 09:58	02/27/23 18:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130				02/25/23 09:58	02/27/23 18:53	1
o-Terphenyl	95		70 - 130				02/25/23 09:58	02/27/23 18:53	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-3 (5')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-19

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	324		25.1		mg/Kg			02/27/23 12:00	5

Client Sample ID: T-3 (6')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-20

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/02/23 09:28	03/02/23 17:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/02/23 09:28	03/02/23 17:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/02/23 09:28	03/02/23 17:13	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/02/23 09:28	03/02/23 17:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/02/23 09:28	03/02/23 17:13	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/02/23 09:28	03/02/23 17:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130	03/02/23 09:28	03/02/23 17:13	1
1,4-Difluorobenzene (Surr)	78		70 - 130	03/02/23 09:28	03/02/23 17:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/03/23 13:41	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			02/28/23 11:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/25/23 09:58	02/27/23 19:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/25/23 09:58	02/27/23 19:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/25/23 09:58	02/27/23 19:15	1
Total TPH	<50.0	U	50.0		mg/Kg		02/25/23 09:58	02/27/23 19:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	02/25/23 09:58	02/27/23 19:15	1
o-Terphenyl	100		70 - 130	02/25/23 09:58	02/27/23 19:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	495		24.9		mg/Kg			02/27/23 12:06	5

Client Sample ID: T-3 (7')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-21

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/27/23 15:04	03/02/23 13:26	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/27/23 15:04	03/02/23 13:26	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-3 (7')

Lab Sample ID: 880-25053-21

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/27/23 15:04	03/02/23 13:26	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/27/23 15:04	03/02/23 13:26	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/27/23 15:04	03/02/23 13:26	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/27/23 15:04	03/02/23 13:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130				02/27/23 15:04	03/02/23 13:26	1
1,4-Difluorobenzene (Surr)	85		70 - 130				02/27/23 15:04	03/02/23 13:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/03/23 13:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/27/23 15:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/25/23 10:04	02/26/23 12:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/25/23 10:04	02/26/23 12:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/25/23 10:04	02/26/23 12:03	1
Total TPH	<49.9	U	49.9		mg/Kg		02/25/23 10:04	02/26/23 12:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				02/25/23 10:04	02/26/23 12:03	1
o-Terphenyl	141	S1+	70 - 130				02/25/23 10:04	02/26/23 12:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	833		25.1		mg/Kg			02/27/23 08:47	5

Client Sample ID: T-3 (8')

Lab Sample ID: 880-25053-22

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/27/23 15:04	03/02/23 13:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/27/23 15:04	03/02/23 13:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/27/23 15:04	03/02/23 13:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/27/23 15:04	03/02/23 13:53	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/27/23 15:04	03/02/23 13:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/27/23 15:04	03/02/23 13:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130				02/27/23 15:04	03/02/23 13:53	1
1,4-Difluorobenzene (Surr)	83		70 - 130				02/27/23 15:04	03/02/23 13:53	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-3 (8')

Lab Sample ID: 880-25053-22

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/03/23 13:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/27/23 15:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/25/23 10:04	02/26/23 13:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/25/23 10:04	02/26/23 13:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/25/23 10:04	02/26/23 13:09	1
Total TPH	<49.9	U	49.9		mg/Kg		02/25/23 10:04	02/26/23 13:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	02/25/23 10:04	02/26/23 13:09	1
o-Terphenyl	124		70 - 130	02/25/23 10:04	02/26/23 13:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	693		25.1		mg/Kg			02/27/23 09:04	5

Client Sample ID: T-3 (9')

Lab Sample ID: 880-25053-23

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/27/23 15:04	03/02/23 14:19	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/27/23 15:04	03/02/23 14:19	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/27/23 15:04	03/02/23 14:19	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/27/23 15:04	03/02/23 14:19	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/27/23 15:04	03/02/23 14:19	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/27/23 15:04	03/02/23 14:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	02/27/23 15:04	03/02/23 14:19	1
1,4-Difluorobenzene (Surr)	82		70 - 130	02/27/23 15:04	03/02/23 14:19	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/03/23 13:44	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			02/27/23 15:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/25/23 10:04	02/26/23 13:31	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-3 (9')

Lab Sample ID: 880-25053-23

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/25/23 10:04	02/26/23 13:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/25/23 10:04	02/26/23 13:31	1
Total TPH	<50.0	U	50.0		mg/Kg		02/25/23 10:04	02/26/23 13:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				02/25/23 10:04	02/26/23 13:31	1
o-Terphenyl	136	S1+	70 - 130				02/25/23 10:04	02/26/23 13:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	933		25.0		mg/Kg			02/27/23 09:10	5

Client Sample ID: T-3 (10')

Lab Sample ID: 880-25053-24

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/27/23 15:04	03/02/23 14:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/27/23 15:04	03/02/23 14:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/27/23 15:04	03/02/23 14:45	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/27/23 15:04	03/02/23 14:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/27/23 15:04	03/02/23 14:45	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/27/23 15:04	03/02/23 14:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				02/27/23 15:04	03/02/23 14:45	1
1,4-Difluorobenzene (Surr)	84		70 - 130				02/27/23 15:04	03/02/23 14:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/03/23 13:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/27/23 15:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/25/23 10:04	02/26/23 13:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/25/23 10:04	02/26/23 13:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/25/23 10:04	02/26/23 13:54	1
Total TPH	<49.9	U	49.9		mg/Kg		02/25/23 10:04	02/26/23 13:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				02/25/23 10:04	02/26/23 13:54	1
o-Terphenyl	125		70 - 130				02/25/23 10:04	02/26/23 13:54	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-3 (10')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-24

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	627		25.3		mg/Kg			02/27/23 09:15	5

Client Sample ID: T-3 (11')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-25

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/27/23 15:04	03/02/23 15:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/27/23 15:04	03/02/23 15:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/27/23 15:04	03/02/23 15:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/27/23 15:04	03/02/23 15:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/27/23 15:04	03/02/23 15:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/27/23 15:04	03/02/23 15:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	02/27/23 15:04	03/02/23 15:12	1
1,4-Difluorobenzene (Surr)	95		70 - 130	02/27/23 15:04	03/02/23 15:12	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			03/03/23 13:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			02/27/23 15:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		02/25/23 10:04	02/26/23 14:16	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		02/25/23 10:04	02/26/23 14:16	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		02/25/23 10:04	02/26/23 14:16	1
Total TPH	<50.1	U	50.1		mg/Kg		02/25/23 10:04	02/26/23 14:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	02/25/23 10:04	02/26/23 14:16	1
o-Terphenyl	123		70 - 130	02/25/23 10:04	02/26/23 14:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	448		5.04		mg/Kg			02/27/23 09:21	1

Client Sample ID: T-4 (6')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-26

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/27/23 15:04	03/02/23 15:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/27/23 15:04	03/02/23 15:39	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-4 (6')

Lab Sample ID: 880-25053-26

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/27/23 15:04	03/02/23 15:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/27/23 15:04	03/02/23 15:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/27/23 15:04	03/02/23 15:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/27/23 15:04	03/02/23 15:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				02/27/23 15:04	03/02/23 15:39	1
1,4-Difluorobenzene (Surr)	91		70 - 130				02/27/23 15:04	03/02/23 15:39	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/03/23 13:44	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			02/27/23 15:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/25/23 10:04	02/26/23 14:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/25/23 10:04	02/26/23 14:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/25/23 10:04	02/26/23 14:38	1
Total TPH	<50.0	U	50.0		mg/Kg		02/25/23 10:04	02/26/23 14:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				02/25/23 10:04	02/26/23 14:38	1
o-Terphenyl	132	S1+	70 - 130				02/25/23 10:04	02/26/23 14:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2570		25.0		mg/Kg			02/27/23 09:38	5

Client Sample ID: T-4 (7')

Lab Sample ID: 880-25053-27

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/27/23 15:04	03/02/23 16:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/27/23 15:04	03/02/23 16:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/27/23 15:04	03/02/23 16:05	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/27/23 15:04	03/02/23 16:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/27/23 15:04	03/02/23 16:05	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/27/23 15:04	03/02/23 16:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				02/27/23 15:04	03/02/23 16:05	1
1,4-Difluorobenzene (Surr)	101		70 - 130				02/27/23 15:04	03/02/23 16:05	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-4 (7')

Lab Sample ID: 880-25053-27

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/03/23 13:44	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			02/27/23 15:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/25/23 10:04	02/26/23 15:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/25/23 10:04	02/26/23 15:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/25/23 10:04	02/26/23 15:00	1
Total TPH	<50.0	U	50.0		mg/Kg		02/25/23 10:04	02/26/23 15:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	02/25/23 10:04	02/26/23 15:00	1
o-Terphenyl	136	S1+	70 - 130	02/25/23 10:04	02/26/23 15:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3140		25.0		mg/Kg			02/27/23 09:44	5

Client Sample ID: T-4 (8')

Lab Sample ID: 880-25053-28

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/27/23 15:04	03/02/23 16:32	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/27/23 15:04	03/02/23 16:32	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/27/23 15:04	03/02/23 16:32	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/27/23 15:04	03/02/23 16:32	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/27/23 15:04	03/02/23 16:32	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/27/23 15:04	03/02/23 16:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	02/27/23 15:04	03/02/23 16:32	1
1,4-Difluorobenzene (Surr)	86		70 - 130	02/27/23 15:04	03/02/23 16:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/03/23 13:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/27/23 15:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/25/23 10:04	02/26/23 15:23	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-4 (8')

Lab Sample ID: 880-25053-28

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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		02/25/23 10:04	02/26/23 15:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/25/23 10:04	02/26/23 15:23	1
Total TPH	<49.9	U	49.9		mg/Kg		02/25/23 10:04	02/26/23 15:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				02/25/23 10:04	02/26/23 15:23	1
o-Terphenyl	126		70 - 130				02/25/23 10:04	02/26/23 15:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3630		25.2		mg/Kg			02/27/23 09:49	5

Client Sample ID: T-4 (9')

Lab Sample ID: 880-25053-29

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/27/23 15:04	03/02/23 16:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/27/23 15:04	03/02/23 16:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/27/23 15:04	03/02/23 16:58	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/27/23 15:04	03/02/23 16:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/27/23 15:04	03/02/23 16:58	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/27/23 15:04	03/02/23 16:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				02/27/23 15:04	03/02/23 16:58	1
1,4-Difluorobenzene (Surr)	99		70 - 130				02/27/23 15:04	03/02/23 16:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			03/03/23 13:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/27/23 15:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/25/23 10:04	02/26/23 15:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/25/23 10:04	02/26/23 15:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/25/23 10:04	02/26/23 15:44	1
Total TPH	<49.9	U	49.9		mg/Kg		02/25/23 10:04	02/26/23 15:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				02/25/23 10:04	02/26/23 15:44	1
o-Terphenyl	127		70 - 130				02/25/23 10:04	02/26/23 15:44	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-4 (9')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-29

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2670		25.1		mg/Kg			02/27/23 09:55	5

Client Sample ID: T-4 (10')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-30

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/27/23 15:04	03/02/23 17:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/27/23 15:04	03/02/23 17:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/27/23 15:04	03/02/23 17:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/27/23 15:04	03/02/23 17:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/27/23 15:04	03/02/23 17:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/27/23 15:04	03/02/23 17:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				02/27/23 15:04	03/02/23 17:24	1
1,4-Difluorobenzene (Surr)	91		70 - 130				02/27/23 15:04	03/02/23 17:24	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/03/23 13:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/27/23 15:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/25/23 10:04	02/26/23 16:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/25/23 10:04	02/26/23 16:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/25/23 10:04	02/26/23 16:06	1
Total TPH	<49.9	U	49.9		mg/Kg		02/25/23 10:04	02/26/23 16:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				02/25/23 10:04	02/26/23 16:06	1
o-Terphenyl	126		70 - 130				02/25/23 10:04	02/26/23 16:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2140		24.9		mg/Kg			02/27/23 10:01	5

Client Sample ID: T-4 (11')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-31

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/03/23 09:48	03/03/23 21:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/03/23 09:48	03/03/23 21:23	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-4 (11')

Lab Sample ID: 880-25053-31

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/03/23 09:48	03/03/23 21:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/03/23 09:48	03/03/23 21:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/03/23 09:48	03/03/23 21:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/03/23 09:48	03/03/23 21:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				03/03/23 09:48	03/03/23 21:23	1
1,4-Difluorobenzene (Surr)	106		70 - 130				03/03/23 09:48	03/03/23 21:23	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/06/23 14:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/27/23 15:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/25/23 10:04	02/26/23 16:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/25/23 10:04	02/26/23 16:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/25/23 10:04	02/26/23 16:50	1
Total TPH	<50.0	U	50.0		mg/Kg		02/25/23 10:04	02/26/23 16:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				02/25/23 10:04	02/26/23 16:50	1
o-Terphenyl	128		70 - 130				02/25/23 10:04	02/26/23 16:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1700	F1	24.8		mg/Kg			02/27/23 10:07	5

Client Sample ID: T-4 (12')

Lab Sample ID: 880-25053-32

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/03/23 09:48	03/03/23 21:43	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/03/23 09:48	03/03/23 21:43	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/03/23 09:48	03/03/23 21:43	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/03/23 09:48	03/03/23 21:43	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/03/23 09:48	03/03/23 21:43	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/03/23 09:48	03/03/23 21:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				03/03/23 09:48	03/03/23 21:43	1
1,4-Difluorobenzene (Surr)	106		70 - 130				03/03/23 09:48	03/03/23 21:43	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-4 (12')

Lab Sample ID: 880-25053-32

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			03/06/23 14:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/27/23 15:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/25/23 10:04	02/26/23 17:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/25/23 10:04	02/26/23 17:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/25/23 10:04	02/26/23 17:12	1
Total TPH	<49.9	U	49.9		mg/Kg		02/25/23 10:04	02/26/23 17:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	02/25/23 10:04	02/26/23 17:12	1
o-Terphenyl	125		70 - 130	02/25/23 10:04	02/26/23 17:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2040		24.8		mg/Kg			02/27/23 10:24	5

Client Sample ID: T-5 (6')

Lab Sample ID: 880-25053-33

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/03/23 09:48	03/03/23 22:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/03/23 09:48	03/03/23 22:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/03/23 09:48	03/03/23 22:04	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/03/23 09:48	03/03/23 22:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/03/23 09:48	03/03/23 22:04	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/03/23 09:48	03/03/23 22:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	03/03/23 09:48	03/03/23 22:04	1
1,4-Difluorobenzene (Surr)	103		70 - 130	03/03/23 09:48	03/03/23 22:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			03/06/23 14:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/27/23 15:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/25/23 10:04	02/26/23 17:35	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-5 (6')

Lab Sample ID: 880-25053-33

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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)	<49.8	U	49.8		mg/Kg		02/25/23 10:04	02/26/23 17:35	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/25/23 10:04	02/26/23 17:35	1
Total TPH	<49.8	U	49.8		mg/Kg		02/25/23 10:04	02/26/23 17:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				02/25/23 10:04	02/26/23 17:35	1
o-Terphenyl	132	S1+	70 - 130				02/25/23 10:04	02/26/23 17:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1690		24.9		mg/Kg			02/27/23 10:29	5

Client Sample ID: T-5 (7')

Lab Sample ID: 880-25053-34

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/03/23 09:48	03/03/23 22:24	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/03/23 09:48	03/03/23 22:24	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/03/23 09:48	03/03/23 22:24	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/03/23 09:48	03/03/23 22:24	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/03/23 09:48	03/03/23 22:24	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/03/23 09:48	03/03/23 22:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				03/03/23 09:48	03/03/23 22:24	1
1,4-Difluorobenzene (Surr)	112		70 - 130				03/03/23 09:48	03/03/23 22:24	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/06/23 14:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/27/23 15:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/25/23 10:04	02/26/23 17:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/25/23 10:04	02/26/23 17:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/25/23 10:04	02/26/23 17:56	1
Total TPH	<49.9	U	49.9		mg/Kg		02/25/23 10:04	02/26/23 17:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				02/25/23 10:04	02/26/23 17:56	1
o-Terphenyl	118		70 - 130				02/25/23 10:04	02/26/23 17:56	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-5 (7')

Lab Sample ID: 880-25053-34

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1390		25.2		mg/Kg			02/27/23 10:46	5

Client Sample ID: T-5 (8')

Lab Sample ID: 880-25053-35

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/03/23 09:48	03/03/23 22:44	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/03/23 09:48	03/03/23 22:44	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/03/23 09:48	03/03/23 22:44	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		03/03/23 09:48	03/03/23 22:44	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/03/23 09:48	03/03/23 22:44	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/03/23 09:48	03/03/23 22:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				03/03/23 09:48	03/03/23 22:44	1
1,4-Difluorobenzene (Surr)	100		70 - 130				03/03/23 09:48	03/03/23 22:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			03/06/23 14:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/27/23 15:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/25/23 10:04	02/26/23 18:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/25/23 10:04	02/26/23 18:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/25/23 10:04	02/26/23 18:18	1
Total TPH	<50.0	U	50.0		mg/Kg		02/25/23 10:04	02/26/23 18:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				02/25/23 10:04	02/26/23 18:18	1
o-Terphenyl	125		70 - 130				02/25/23 10:04	02/26/23 18:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1220		25.0		mg/Kg			02/27/23 10:52	5

Client Sample ID: T-5 (9')

Lab Sample ID: 880-25053-36

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/03/23 09:48	03/03/23 23:05	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/03/23 09:48	03/03/23 23:05	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-5 (9')

Lab Sample ID: 880-25053-36

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/03/23 09:48	03/03/23 23:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/03/23 09:48	03/03/23 23:05	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/03/23 09:48	03/03/23 23:05	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/03/23 09:48	03/03/23 23:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				03/03/23 09:48	03/03/23 23:05	1
1,4-Difluorobenzene (Surr)	110		70 - 130				03/03/23 09:48	03/03/23 23:05	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			03/06/23 14:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/27/23 15:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/25/23 10:04	02/26/23 18:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/25/23 10:04	02/26/23 18:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/25/23 10:04	02/26/23 18:41	1
Total TPH	<49.9	U	49.9		mg/Kg		02/25/23 10:04	02/26/23 18:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				02/25/23 10:04	02/26/23 18:41	1
o-Terphenyl	120		70 - 130				02/25/23 10:04	02/26/23 18:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	674		4.98		mg/Kg			02/27/23 10:58	1

Client Sample ID: T-5 (10')

Lab Sample ID: 880-25053-37

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/03/23 09:48	03/03/23 23:25	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/03/23 09:48	03/03/23 23:25	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/03/23 09:48	03/03/23 23:25	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/03/23 09:48	03/03/23 23:25	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/03/23 09:48	03/03/23 23:25	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/03/23 09:48	03/03/23 23:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				03/03/23 09:48	03/03/23 23:25	1
1,4-Difluorobenzene (Surr)	108		70 - 130				03/03/23 09:48	03/03/23 23:25	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-5 (10')

Lab Sample ID: 880-25053-37

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/06/23 14:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/27/23 15:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/25/23 10:04	02/26/23 19:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/25/23 10:04	02/26/23 19:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/25/23 10:04	02/26/23 19:03	1
Total TPH	<49.9	U	49.9		mg/Kg		02/25/23 10:04	02/26/23 19:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	02/25/23 10:04	02/26/23 19:03	1
o-Terphenyl	127		70 - 130	02/25/23 10:04	02/26/23 19:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	595		4.97		mg/Kg			02/27/23 11:03	1

Client Sample ID: T-5 (11')

Lab Sample ID: 880-25053-38

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/03/23 09:48	03/03/23 23:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/03/23 09:48	03/03/23 23:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/03/23 09:48	03/03/23 23:46	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/03/23 09:48	03/03/23 23:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/03/23 09:48	03/03/23 23:46	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/03/23 09:48	03/03/23 23:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	03/03/23 09:48	03/03/23 23:46	1
1,4-Difluorobenzene (Surr)	105		70 - 130	03/03/23 09:48	03/03/23 23:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/06/23 14:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/27/23 15:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/25/23 10:04	02/26/23 19:25	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-5 (11')

Lab Sample ID: 880-25053-38

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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		02/25/23 10:04	02/26/23 19:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/25/23 10:04	02/26/23 19:25	1
Total TPH	<49.9	U	49.9		mg/Kg		02/25/23 10:04	02/26/23 19:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				02/25/23 10:04	02/26/23 19:25	1
o-Terphenyl	133	S1+	70 - 130				02/25/23 10:04	02/26/23 19:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	654		5.02		mg/Kg			02/27/23 11:09	1

Client Sample ID: T-6 (5')

Lab Sample ID: 880-25053-39

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/03/23 09:48	03/04/23 00:06	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/03/23 09:48	03/04/23 00:06	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/03/23 09:48	03/04/23 00:06	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/03/23 09:48	03/04/23 00:06	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/03/23 09:48	03/04/23 00:06	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/03/23 09:48	03/04/23 00:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				03/03/23 09:48	03/04/23 00:06	1
1,4-Difluorobenzene (Surr)	106		70 - 130				03/03/23 09:48	03/04/23 00:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/06/23 14:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/27/23 15:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/25/23 10:04	02/26/23 19:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/25/23 10:04	02/26/23 19:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/25/23 10:04	02/26/23 19:47	1
Total TPH	<49.9	U	49.9		mg/Kg		02/25/23 10:04	02/26/23 19:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				02/25/23 10:04	02/26/23 19:47	1
o-Terphenyl	111		70 - 130				02/25/23 10:04	02/26/23 19:47	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-6 (5')

Lab Sample ID: 880-25053-39

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	231		5.01		mg/Kg			02/27/23 11:15	1

Client Sample ID: T-6 (6')

Lab Sample ID: 880-25053-40

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/03/23 09:48	03/04/23 00:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/03/23 09:48	03/04/23 00:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/03/23 09:48	03/04/23 00:27	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/03/23 09:48	03/04/23 00:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/03/23 09:48	03/04/23 00:27	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/03/23 09:48	03/04/23 00:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	03/03/23 09:48	03/04/23 00:27	1
1,4-Difluorobenzene (Surr)	106		70 - 130	03/03/23 09:48	03/04/23 00:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			03/06/23 14:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/27/23 15:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/25/23 10:04	02/26/23 20:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/25/23 10:04	02/26/23 20:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/25/23 10:04	02/26/23 20:09	1
Total TPH	<50.0	U	50.0		mg/Kg		02/25/23 10:04	02/26/23 20:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	02/25/23 10:04	02/26/23 20:09	1
o-Terphenyl	119		70 - 130	02/25/23 10:04	02/26/23 20:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	189		4.98		mg/Kg			02/27/23 11:20	1

Client Sample ID: T-7 (5')

Lab Sample ID: 880-25053-41

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U **	0.00200		mg/Kg		02/28/23 09:06	03/01/23 10:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/28/23 09:06	03/01/23 10:54	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-7 (5')

Lab Sample ID: 880-25053-41

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/28/23 09:06	03/01/23 10:54	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/28/23 09:06	03/01/23 10:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/28/23 09:06	03/01/23 10:54	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/28/23 09:06	03/01/23 10:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				02/28/23 09:06	03/01/23 10:54	1
1,4-Difluorobenzene (Surr)	100		70 - 130				02/28/23 09:06	03/01/23 10:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/01/23 15:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/27/23 12:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/24/23 15:11	02/25/23 11:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/24/23 15:11	02/25/23 11:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/24/23 15:11	02/25/23 11:30	1
Total TPH	<49.9	U	49.9		mg/Kg		02/24/23 15:11	02/25/23 11:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				02/24/23 15:11	02/25/23 11:30	1
o-Terphenyl	96		70 - 130				02/24/23 15:11	02/25/23 11:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4990	F1	50.2		mg/Kg			02/28/23 00:09	10

Client Sample ID: T-7 (6')

Lab Sample ID: 880-25053-42

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *	0.00201		mg/Kg		02/28/23 09:06	03/01/23 11:20	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/28/23 09:06	03/01/23 11:20	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/28/23 09:06	03/01/23 11:20	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/28/23 09:06	03/01/23 11:20	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/28/23 09:06	03/01/23 11:20	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/28/23 09:06	03/01/23 11:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				02/28/23 09:06	03/01/23 11:20	1
1,4-Difluorobenzene (Surr)	92		70 - 130				02/28/23 09:06	03/01/23 11:20	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-7 (6')

Lab Sample ID: 880-25053-42

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/01/23 15:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/27/23 12:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/24/23 15:11	02/25/23 12:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/24/23 15:11	02/25/23 12:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/24/23 15:11	02/25/23 12:37	1
Total TPH	<50.0	U	50.0		mg/Kg		02/24/23 15:11	02/25/23 12:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130	02/24/23 15:11	02/25/23 12:37	1
o-Terphenyl	96		70 - 130	02/24/23 15:11	02/25/23 12:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2310		24.9		mg/Kg			02/28/23 00:23	5

Client Sample ID: T-7 (7')

Lab Sample ID: 880-25053-43

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U **	0.00200		mg/Kg		02/28/23 09:06	03/01/23 11:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/28/23 09:06	03/01/23 11:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/28/23 09:06	03/01/23 11:46	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/28/23 09:06	03/01/23 11:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/28/23 09:06	03/01/23 11:46	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/28/23 09:06	03/01/23 11:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	02/28/23 09:06	03/01/23 11:46	1
1,4-Difluorobenzene (Surr)	89		70 - 130	02/28/23 09:06	03/01/23 11:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			03/01/23 15:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/27/23 12:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/24/23 15:11	02/25/23 12:59	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-7 (7')

Lab Sample ID: 880-25053-43

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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		02/24/23 15:11	02/25/23 12:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/24/23 15:11	02/25/23 12:59	1
Total TPH	<49.9	U	49.9		mg/Kg		02/24/23 15:11	02/25/23 12:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				02/24/23 15:11	02/25/23 12:59	1
o-Terphenyl	91		70 - 130				02/24/23 15:11	02/25/23 12:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	941		5.00		mg/Kg			02/28/23 00:28	1

Client Sample ID: T-7 (8')

Lab Sample ID: 880-25053-44

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U **	0.00199		mg/Kg		02/28/23 09:06	03/01/23 12:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/28/23 09:06	03/01/23 12:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/28/23 09:06	03/01/23 12:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/28/23 09:06	03/01/23 12:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/28/23 09:06	03/01/23 12:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/28/23 09:06	03/01/23 12:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130				02/28/23 09:06	03/01/23 12:13	1
1,4-Difluorobenzene (Surr)	88		70 - 130				02/28/23 09:06	03/01/23 12:13	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			03/07/23 13:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/27/23 12:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/24/23 15:11	02/25/23 13:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/24/23 15:11	02/25/23 13:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/24/23 15:11	02/25/23 13:21	1
Total TPH	<49.9	U	49.9		mg/Kg		02/24/23 15:11	02/25/23 13:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				02/24/23 15:11	02/25/23 13:21	1
o-Terphenyl	104		70 - 130				02/24/23 15:11	02/25/23 13:21	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-7 (8')

Lab Sample ID: 880-25053-44

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	555		4.95		mg/Kg			02/28/23 00:32	1

Client Sample ID: T-7 (9')

Lab Sample ID: 880-25053-45

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *	0.00199		mg/Kg		02/28/23 09:06	03/01/23 12:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/28/23 09:06	03/01/23 12:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/28/23 09:06	03/01/23 12:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/28/23 09:06	03/01/23 12:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/28/23 09:06	03/01/23 12:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/28/23 09:06	03/01/23 12:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130	02/28/23 09:06	03/01/23 12:39	1
1,4-Difluorobenzene (Surr)	99		70 - 130	02/28/23 09:06	03/01/23 12:39	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/07/23 13:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/27/23 12:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/24/23 15:11	02/25/23 13:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/24/23 15:11	02/25/23 13:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/24/23 15:11	02/25/23 13:43	1
Total TPH	<49.9	U	49.9		mg/Kg		02/24/23 15:11	02/25/23 13:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	02/24/23 15:11	02/25/23 13:43	1
o-Terphenyl	103		70 - 130	02/24/23 15:11	02/25/23 13:43	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			02/28/23 00:37	1

Client Sample ID: T-8 (5')

Lab Sample ID: 880-25053-46

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *	0.00200		mg/Kg		02/28/23 09:06	03/01/23 13:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/28/23 09:06	03/01/23 13:06	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-8 (5')

Lab Sample ID: 880-25053-46

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/28/23 09:06	03/01/23 13:06	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/28/23 09:06	03/01/23 13:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/28/23 09:06	03/01/23 13:06	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/28/23 09:06	03/01/23 13:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130				02/28/23 09:06	03/01/23 13:06	1
1,4-Difluorobenzene (Surr)	95		70 - 130				02/28/23 09:06	03/01/23 13:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/07/23 13:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/27/23 12:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/24/23 15:11	02/25/23 14:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/24/23 15:11	02/25/23 14:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/24/23 15:11	02/25/23 14:05	1
Total TPH	<50.0	U	50.0		mg/Kg		02/24/23 15:11	02/25/23 14:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				02/24/23 15:11	02/25/23 14:05	1
o-Terphenyl	100		70 - 130				02/24/23 15:11	02/25/23 14:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10600		100		mg/Kg			02/28/23 00:51	20

Client Sample ID: T-8 (6')

Lab Sample ID: 880-25053-47

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *	0.00200		mg/Kg		02/28/23 09:06	03/01/23 14:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/28/23 09:06	03/01/23 14:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/28/23 09:06	03/01/23 14:50	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/28/23 09:06	03/01/23 14:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/28/23 09:06	03/01/23 14:50	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/28/23 09:06	03/01/23 14:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				02/28/23 09:06	03/01/23 14:50	1
1,4-Difluorobenzene (Surr)	92		70 - 130				02/28/23 09:06	03/01/23 14:50	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-8 (6')

Lab Sample ID: 880-25053-47

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			03/07/23 13:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/27/23 12:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/24/23 15:11	02/25/23 14:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/24/23 15:11	02/25/23 14:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/24/23 15:11	02/25/23 14:27	1
Total TPH	<50.0	U	50.0		mg/Kg		02/24/23 15:11	02/25/23 14:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130	02/24/23 15:11	02/25/23 14:27	1
o-Terphenyl	91		70 - 130	02/24/23 15:11	02/25/23 14:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3850		49.7		mg/Kg			02/28/23 00:55	10

Client Sample ID: T-8 (7')

Lab Sample ID: 880-25053-48

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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		02/28/23 09:06	03/01/23 15:16	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/28/23 09:06	03/01/23 15:16	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/28/23 09:06	03/01/23 15:16	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/28/23 09:06	03/01/23 15:16	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/28/23 09:06	03/01/23 15:16	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/28/23 09:06	03/01/23 15:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130	02/28/23 09:06	03/01/23 15:16	1
1,4-Difluorobenzene (Surr)	93		70 - 130	02/28/23 09:06	03/01/23 15:16	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			03/07/23 13:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/27/23 12:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/24/23 15:11	02/25/23 14:49	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-8 (7')

Lab Sample ID: 880-25053-48

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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		02/24/23 15:11	02/25/23 14:49	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/24/23 15:11	02/25/23 14:49	1
Total TPH	<49.9	U	49.9		mg/Kg		02/24/23 15:11	02/25/23 14:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	02/24/23 15:11	02/25/23 14:49	1
o-Terphenyl	99		70 - 130	02/24/23 15:11	02/25/23 14:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4690		49.9		mg/Kg			02/28/23 01:00	10

Client Sample ID: T-8 (8')

Lab Sample ID: 880-25053-49

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U **	0.00200		mg/Kg		02/28/23 10:10	03/01/23 16:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/28/23 10:10	03/01/23 16:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/28/23 10:10	03/01/23 16:09	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/28/23 10:10	03/01/23 16:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/28/23 10:10	03/01/23 16:09	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/28/23 10:10	03/01/23 16:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	02/28/23 10:10	03/01/23 16:09	1
1,4-Difluorobenzene (Surr)	86		70 - 130	02/28/23 10:10	03/01/23 16:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			03/07/23 13:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/27/23 12:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/24/23 15:11	02/25/23 15:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/24/23 15:11	02/25/23 15:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/24/23 15:11	02/25/23 15:12	1
Total TPH	<49.9	U	49.9		mg/Kg		02/24/23 15:11	02/25/23 15:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	02/24/23 15:11	02/25/23 15:12	1
o-Terphenyl	99		70 - 130	02/24/23 15:11	02/25/23 15:12	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-8 (8')

Lab Sample ID: 880-25053-49

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2740		25.0		mg/Kg			02/28/23 01:04	5

Client Sample ID: T-8 (9')

Lab Sample ID: 880-25053-50

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *	0.00199		mg/Kg		02/28/23 10:10	03/01/23 16:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/28/23 10:10	03/01/23 16:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/28/23 10:10	03/01/23 16:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/28/23 10:10	03/01/23 16:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/28/23 10:10	03/01/23 16:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/28/23 10:10	03/01/23 16:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130	02/28/23 10:10	03/01/23 16:35	1
1,4-Difluorobenzene (Surr)	91		70 - 130	02/28/23 10:10	03/01/23 16:35	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			03/07/23 13:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/27/23 12:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/24/23 15:11	02/25/23 15:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/24/23 15:11	02/25/23 15:33	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/24/23 15:11	02/25/23 15:33	1
Total TPH	<49.9	U	49.9		mg/Kg		02/24/23 15:11	02/25/23 15:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130	02/24/23 15:11	02/25/23 15:33	1
o-Terphenyl	88		70 - 130	02/24/23 15:11	02/25/23 15:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2470		25.0		mg/Kg			02/28/23 01:09	5

Client Sample ID: T-9 (6')

Lab Sample ID: 880-25053-51

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *	0.00199		mg/Kg		02/28/23 10:10	03/01/23 17:01	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/28/23 10:10	03/01/23 17:01	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-9 (6')

Lab Sample ID: 880-25053-51

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/28/23 10:10	03/01/23 17:01	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/28/23 10:10	03/01/23 17:01	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/28/23 10:10	03/01/23 17:01	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/28/23 10:10	03/01/23 17:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130				02/28/23 10:10	03/01/23 17:01	1
1,4-Difluorobenzene (Surr)	97		70 - 130				02/28/23 10:10	03/01/23 17:01	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			03/07/23 13:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/27/23 12:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/24/23 15:11	02/25/23 16:18	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/24/23 15:11	02/25/23 16:18	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/24/23 15:11	02/25/23 16:18	1
Total TPH	<49.8	U	49.8		mg/Kg		02/24/23 15:11	02/25/23 16:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				02/24/23 15:11	02/25/23 16:18	1
o-Terphenyl	104		70 - 130				02/24/23 15:11	02/25/23 16:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5580	F1	49.7		mg/Kg			02/28/23 01:14	10

Client Sample ID: T-9 (7')

Lab Sample ID: 880-25053-52

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *	0.00201		mg/Kg		02/28/23 10:10	03/01/23 17:28	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/28/23 10:10	03/01/23 17:28	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/28/23 10:10	03/01/23 17:28	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/28/23 10:10	03/01/23 17:28	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/28/23 10:10	03/01/23 17:28	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/28/23 10:10	03/01/23 17:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	149	S1+	70 - 130				02/28/23 10:10	03/01/23 17:28	1
1,4-Difluorobenzene (Surr)	93		70 - 130				02/28/23 10:10	03/01/23 17:28	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-9 (7')

Lab Sample ID: 880-25053-52

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/07/23 13:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/27/23 12:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/24/23 15:11	02/25/23 16:39	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/24/23 15:11	02/25/23 16:39	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/24/23 15:11	02/25/23 16:39	1
Total TPH	<49.8	U	49.8		mg/Kg		02/24/23 15:11	02/25/23 16:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130	02/24/23 15:11	02/25/23 16:39	1
o-Terphenyl	95		70 - 130	02/24/23 15:11	02/25/23 16:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6870		50.5		mg/Kg			02/28/23 01:27	10

Client Sample ID: T-9 (8')

Lab Sample ID: 880-25053-53

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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		02/28/23 10:10	03/01/23 17:54	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/28/23 10:10	03/01/23 17:54	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/28/23 10:10	03/01/23 17:54	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		02/28/23 10:10	03/01/23 17:54	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/28/23 10:10	03/01/23 17:54	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/28/23 10:10	03/01/23 17:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130	02/28/23 10:10	03/01/23 17:54	1
1,4-Difluorobenzene (Surr)	93		70 - 130	02/28/23 10:10	03/01/23 17:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			03/07/23 13:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/27/23 12:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/24/23 15:11	02/25/23 17:00	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-9 (8')
Date Collected: 02/20/23 00:00
Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-53
Matrix: Solid

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		02/24/23 15:11	02/25/23 17:00	1	
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/24/23 15:11	02/25/23 17:00	1	
Total TPH	<49.9	U	49.9		mg/Kg		02/24/23 15:11	02/25/23 17:00	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	91		70 - 130				02/24/23 15:11	02/25/23 17:00	1	
o-Terphenyl	98		70 - 130				02/24/23 15:11	02/25/23 17:00	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	7760		100		mg/Kg			02/28/23 01:32	20	

Surrogate Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-24991-A-11-F MS	Matrix Spike	115	104
880-24991-A-11-G MSD	Matrix Spike Duplicate	113	111
880-25053-1	T-1 (5')	114	96
880-25053-1 MS	T-1 (5')	108	105
880-25053-1 MSD	T-1 (5')	103	96
880-25053-2	T-1 (6')	129	109
880-25053-3	T-1 (7')	115	108
880-25053-4	T-1 (8')	123	85
880-25053-5	T-2 (5')	104	76
880-25053-6	T-2 (6')	122	81
880-25053-7	T-2 (7')	121	92
880-25053-8	T-2 (8')	119	114
880-25053-9	T-2 (9')	121	107
880-25053-10	T-2 (10')	120	110
880-25053-11	T-2 (11')	112	99
880-25053-12	T-2 (12')	121	99
880-25053-13	T-2 (13')	123	114
880-25053-14	T-3 (0-1')	132 S1+	103
880-25053-15	T-3 (1.5')	93	89
880-25053-16	T-3 (2')	76	78
880-25053-17	T-3 (3')	102	78
880-25053-18	T-3 (4')	76	78
880-25053-19	T-3 (5')	96	86
880-25053-20	T-3 (6')	78	78
880-25053-21	T-3 (7')	87	85
880-25053-21 MS	T-3 (7')	105	100
880-25053-21 MSD	T-3 (7')	91	108
880-25053-22	T-3 (8')	83	83
880-25053-23	T-3 (9')	89	82
880-25053-24	T-3 (10')	93	84
880-25053-25	T-3 (11')	97	95
880-25053-26	T-4 (6')	111	91
880-25053-27	T-4 (7')	110	101
880-25053-28	T-4 (8')	114	86
880-25053-29	T-4 (9')	114	99
880-25053-30	T-4 (10')	112	91
880-25053-31	T-4 (11')	113	106
880-25053-32	T-4 (12')	117	106
880-25053-33	T-5 (6')	113	103
880-25053-34	T-5 (7')	113	112
880-25053-35	T-5 (8')	116	100
880-25053-36	T-5 (9')	120	110
880-25053-37	T-5 (10')	122	108
880-25053-38	T-5 (11')	114	105
880-25053-39	T-6 (5')	114	106
880-25053-40	T-6 (6')	111	106
880-25053-41	T-7 (5')	126	100
880-25053-42	T-7 (6')	120	92
880-25053-43	T-7 (7')	127	89

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-25053-1

Project/Site: Vaca Draw Federal SWD (12.09.22)

SDG: Lea Co. NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-25053-44	T-7 (8')	129	88
880-25053-45	T-7 (9')	135 S1+	99
880-25053-46	T-8 (5')	135 S1+	95
880-25053-47	T-8 (6')	122	92
880-25053-48	T-8 (7')	130	93
880-25053-49	T-8 (8')	123	86
880-25053-50	T-8 (9')	131 S1+	91
880-25053-51	T-9 (6')	128	97
880-25053-52	T-9 (7')	149 S1+	93
880-25053-53	T-9 (8')	129	93
880-25235-A-57-A MS	Matrix Spike	101	92
880-25235-A-57-B MSD	Matrix Spike Duplicate	92	91
890-4197-A-10-F MS	Matrix Spike	102	106
890-4197-A-10-G MSD	Matrix Spike Duplicate	108	110
LCS 880-47339/1-A	Lab Control Sample	93	97
LCS 880-47340/1-A	Lab Control Sample	92	94
LCS 880-47407/1-A	Lab Control Sample	116	113
LCS 880-47616/1-A	Lab Control Sample	133 S1+	108
LCS 880-47713/1-A	Lab Control Sample	108	121
LCSD 880-47339/2-A	Lab Control Sample Dup	97	98
LCSD 880-47340/2-A	Lab Control Sample Dup	107	102
LCSD 880-47407/2-A	Lab Control Sample Dup	115	94
LCSD 880-47616/2-A	Lab Control Sample Dup	122	104
LCSD 880-47713/2-A	Lab Control Sample Dup	108	108
MB 880-47339/5-A	Method Blank	94	90
MB 880-47340/5-A	Method Blank	65 S1-	93
MB 880-47406/5-A	Method Blank	71	98
MB 880-47407/5-A	Method Blank	77	87
MB 880-47616/5-A	Method Blank	83	83
MB 880-47713/5-A	Method Blank	103	106

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-25053-1	T-1 (5')	113	113
880-25053-1 MS	T-1 (5')	112	99
880-25053-1 MSD	T-1 (5')	101	100
880-25053-2	T-1 (6')	98	100
880-25053-3	T-1 (7')	101	104
880-25053-4	T-1 (8')	87	94
880-25053-5	T-2 (5')	86	94
880-25053-6	T-2 (6')	106	111
880-25053-7	T-2 (7')	104	108
880-25053-8	T-2 (8')	102	102

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-25053-1

Project/Site: Vaca Draw Federal SWD (12.09.22)

SDG: Lea Co. NM

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)
880-25053-9	T-2 (9')	105	107
880-25053-10	T-2 (10')	104	105
880-25053-11	T-2 (11')	100	99
880-25053-12	T-2 (12')	84	90
880-25053-13	T-2 (13')	99	98
880-25053-14	T-3 (0-1')	100	101
880-25053-15	T-3 (1.5')	102	103
880-25053-16	T-3 (2')	85	92
880-25053-17	T-3 (3')	103	103
880-25053-18	T-3 (4')	87	94
880-25053-19	T-3 (5')	84	95
880-25053-20	T-3 (6')	96	100
880-25053-21	T-3 (7')	102	141 S1+
880-25053-21 MS	T-3 (7')	107	125
880-25053-21 MSD	T-3 (7')	103	121
880-25053-22	T-3 (8')	97	124
880-25053-23	T-3 (9')	108	136 S1+
880-25053-24	T-3 (10')	96	125
880-25053-25	T-3 (11')	96	123
880-25053-26	T-4 (6')	101	132 S1+
880-25053-27	T-4 (7')	101	136 S1+
880-25053-28	T-4 (8')	96	126
880-25053-29	T-4 (9')	96	127
880-25053-30	T-4 (10')	97	126
880-25053-31	T-4 (11')	98	128
880-25053-32	T-4 (12')	97	125
880-25053-33	T-5 (6')	103	132 S1+
880-25053-34	T-5 (7')	91	118
880-25053-35	T-5 (8')	95	125
880-25053-36	T-5 (9')	92	120
880-25053-37	T-5 (10')	99	127
880-25053-38	T-5 (11')	108	133 S1+
880-25053-39	T-6 (5')	88	111
880-25053-40	T-6 (6')	90	119
880-25053-41	T-7 (5')	89	96
880-25053-41 MS	T-7 (5')	111	111
880-25053-41 MS	T-7 (5')	103	120
880-25053-41 MSD	T-7 (5')	110	110
880-25053-41 MSD	T-7 (5')	103	120
880-25053-42	T-7 (6')	87	96
880-25053-43	T-7 (7')	85	91
880-25053-44	T-7 (8')	99	104
880-25053-45	T-7 (9')	101	103
880-25053-46	T-8 (5')	91	100
880-25053-47	T-8 (6')	81	91
880-25053-48	T-8 (7')	91	99
880-25053-49	T-8 (8')	95	99
880-25053-50	T-8 (9')	80	88
880-25053-51	T-9 (6')	100	104
880-25053-52	T-9 (7')	84	95

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-25053-1

Project/Site: Vaca Draw Federal SWD (12.09.22)

SDG: Lea Co. NM

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)
880-25053-53	T-9 (8')	91	98
LCS 880-47205/2-A	Lab Control Sample	117	117
LCS 880-47231/2-A	Lab Control Sample	108	116
LCS 880-47232/2-A	Lab Control Sample	95	121
LCS 880-47233/2-A	Lab Control Sample	86	107
LCSD 880-47205/3-A	Lab Control Sample Dup	130	125
LCSD 880-47231/3-A	Lab Control Sample Dup	95	106
LCSD 880-47232/3-A	Lab Control Sample Dup	106	133 S1+
LCSD 880-47233/3-A	Lab Control Sample Dup	90	114
MB 880-47205/1-A	Method Blank	147 S1+	155 S1+
MB 880-47231/1-A	Method Blank	139 S1+	156 S1+
MB 880-47232/1-A	Method Blank	147 S1+	192 S1+
MB 880-47233/1-A	Method Blank	139 S1+	181 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-47339/5-A

Matrix: Solid

Analysis Batch: 47509

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 47339

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/27/23 15:01	03/01/23 11:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/27/23 15:01	03/01/23 11:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/27/23 15:01	03/01/23 11:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/27/23 15:01	03/01/23 11:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/27/23 15:01	03/01/23 11:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/27/23 15:01	03/01/23 11:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	02/27/23 15:01	03/01/23 11:54	1
1,4-Difluorobenzene (Surr)	90		70 - 130	02/27/23 15:01	03/01/23 11:54	1

Lab Sample ID: LCS 880-47339/1-A

Matrix: Solid

Analysis Batch: 47509

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47339

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1034		mg/Kg		103	70 - 130
Toluene	0.100	0.09885		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.09338		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	0.200	0.1878		mg/Kg		94	70 - 130
o-Xylene	0.100	0.09313		mg/Kg		93	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: LCSD 880-47339/2-A

Matrix: Solid

Analysis Batch: 47509

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 47339

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1059		mg/Kg		106	70 - 130	2	35
Toluene	0.100	0.09997		mg/Kg		100	70 - 130	1	35
Ethylbenzene	0.100	0.09674		mg/Kg		97	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.1974		mg/Kg		99	70 - 130	5	35
o-Xylene	0.100	0.09876		mg/Kg		99	70 - 130	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-25053-1 MS

Matrix: Solid

Analysis Batch: 47509

Client Sample ID: T-1 (5')

Prep Type: Total/NA

Prep Batch: 47339

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00198	U F2 F1	0.0998	0.1034		mg/Kg		104	70 - 130
Toluene	<0.00198	U F1	0.0998	0.09752		mg/Kg		98	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

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

Lab Sample ID: 880-25053-1 MS

Matrix: Solid

Analysis Batch: 47509

Client Sample ID: T-1 (5')

Prep Type: Total/NA

Prep Batch: 47339

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00198	U F1	0.0998	0.09698		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	<0.00396	U	0.200	0.2016		mg/Kg		101	70 - 130
o-Xylene	<0.00198	U	0.0998	0.1004		mg/Kg		101	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 880-25053-1 MSD

Matrix: Solid

Analysis Batch: 47509

Client Sample ID: T-1 (5')

Prep Type: Total/NA

Prep Batch: 47339

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U F2 F1	0.100	0.06853	F2 F1	mg/Kg		68	70 - 130	41	35
Toluene	<0.00198	U F1	0.100	0.06840	F1	mg/Kg		68	70 - 130	35	35
Ethylbenzene	<0.00198	U F1	0.100	0.06940	F1	mg/Kg		69	70 - 130	33	35
m-Xylene & p-Xylene	<0.00396	U	0.200	0.1455		mg/Kg		73	70 - 130	32	35
o-Xylene	<0.00198	U	0.100	0.07341		mg/Kg		73	70 - 130	31	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: MB 880-47340/5-A

Matrix: Solid

Analysis Batch: 47617

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 47340

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/27/23 15:04	03/02/23 13:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/27/23 15:04	03/02/23 13:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/27/23 15:04	03/02/23 13:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/27/23 15:04	03/02/23 13:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/27/23 15:04	03/02/23 13:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/27/23 15:04	03/02/23 13:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	65	S1-	70 - 130	02/27/23 15:04	03/02/23 13:00	1
1,4-Difluorobenzene (Surr)	93		70 - 130	02/27/23 15:04	03/02/23 13:00	1

Lab Sample ID: LCS 880-47340/1-A

Matrix: Solid

Analysis Batch: 47617

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47340

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1100		mg/Kg		110	70 - 130
Toluene	0.100	0.1115		mg/Kg		111	70 - 130
Ethylbenzene	0.100	0.1108		mg/Kg		111	70 - 130
m-Xylene & p-Xylene	0.200	0.2130		mg/Kg		107	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

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

Lab Sample ID: LCS 880-47340/1-A

Matrix: Solid

Analysis Batch: 47617

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47340

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.1126		mg/Kg		113	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: LCSD 880-47340/2-A

Matrix: Solid

Analysis Batch: 47617

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 47340

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1218		mg/Kg		122	70 - 130	10	35
Toluene	0.100	0.1142		mg/Kg		114	70 - 130	2	35
Ethylbenzene	0.100	0.1224		mg/Kg		122	70 - 130	10	35
m-Xylene & p-Xylene	0.200	0.2384		mg/Kg		119	70 - 130	11	35
o-Xylene	0.100	0.1304		mg/Kg		130	70 - 130	15	35

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

Lab Sample ID: 880-25053-21 MS

Matrix: Solid

Analysis Batch: 47617

Client Sample ID: T-3 (7')

Prep Type: Total/NA

Prep Batch: 47340

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.0998	0.08268		mg/Kg		83	70 - 130
Toluene	<0.00201	U	0.0998	0.08459		mg/Kg		85	70 - 130
Ethylbenzene	<0.00201	U	0.0998	0.08651		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1694		mg/Kg		85	70 - 130
o-Xylene	<0.00201	U	0.0998	0.08966		mg/Kg		90	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 880-25053-21 MSD

Matrix: Solid

Analysis Batch: 47617

Client Sample ID: T-3 (7')

Prep Type: Total/NA

Prep Batch: 47340

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0990	0.08026		mg/Kg		81	70 - 130	3	35
Toluene	<0.00201	U	0.0990	0.07779		mg/Kg		79	70 - 130	8	35
Ethylbenzene	<0.00201	U	0.0990	0.07854		mg/Kg		79	70 - 130	10	35
m-Xylene & p-Xylene	<0.00402	U	0.198	0.1525		mg/Kg		77	70 - 130	11	35
o-Xylene	<0.00201	U	0.0990	0.07932		mg/Kg		80	70 - 130	12	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

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

Lab Sample ID: 880-25053-21 MSD

Matrix: Solid

Analysis Batch: 47617

Client Sample ID: T-3 (7")

Prep Type: Total/NA

Prep Batch: 47340

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: MB 880-47406/5-A

Matrix: Solid

Analysis Batch: 47466

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 47406

Analyte	MB	MB								
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00200	U	0.00200		mg/Kg		02/28/23 10:00	02/28/23 18:07	1	
Toluene	<0.00200	U	0.00200		mg/Kg		02/28/23 10:00	02/28/23 18:07	1	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/28/23 10:00	02/28/23 18:07	1	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/28/23 10:00	02/28/23 18:07	1	
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/28/23 10:00	02/28/23 18:07	1	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/28/23 10:00	02/28/23 18:07	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	71		70 - 130				02/28/23 10:00	02/28/23 18:07	1	
1,4-Difluorobenzene (Surr)	98		70 - 130				02/28/23 10:00	02/28/23 18:07	1	

Lab Sample ID: MB 880-47407/5-A

Matrix: Solid

Analysis Batch: 47466

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 47407

Analyte	MB	MB								
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00200	U	0.00200		mg/Kg		02/28/23 09:06	03/01/23 08:16	1	
Toluene	<0.00200	U	0.00200		mg/Kg		02/28/23 09:06	03/01/23 08:16	1	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/28/23 09:06	03/01/23 08:16	1	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/28/23 09:06	03/01/23 08:16	1	
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/28/23 09:06	03/01/23 08:16	1	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/28/23 09:06	03/01/23 08:16	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	77		70 - 130				02/28/23 09:06	03/01/23 08:16	1	
1,4-Difluorobenzene (Surr)	87		70 - 130				02/28/23 09:06	03/01/23 08:16	1	

Lab Sample ID: LCS 880-47407/1-A

Matrix: Solid

Analysis Batch: 47466

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47407

Analyte	Spike	LCS	LCS							
	Added	Result	Qualifier	Unit	D	%Rec	%Rec	Limits		
Benzene	0.100	0.1299		mg/Kg		130		70 - 130		
Toluene	0.100	0.1134		mg/Kg		113		70 - 130		
Ethylbenzene	0.100	0.1103		mg/Kg		110		70 - 130		
m-Xylene & p-Xylene	0.200	0.2222		mg/Kg		111		70 - 130		
o-Xylene	0.100	0.1182		mg/Kg		118		70 - 130		

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QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

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

Lab Sample ID: LCS 880-47407/1-A

Matrix: Solid

Analysis Batch: 47466

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47407

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: LCSD 880-47407/2-A

Matrix: Solid

Analysis Batch: 47466

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 47407

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1307	*+	mg/Kg		131	70 - 130	1	35
Toluene	0.100	0.1225		mg/Kg		123	70 - 130	8	35
Ethylbenzene	0.100	0.1184		mg/Kg		118	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.2364		mg/Kg		118	70 - 130	6	35
o-Xylene	0.100	0.1265		mg/Kg		127	70 - 130	7	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 880-25235-A-57-A MS

Matrix: Solid

Analysis Batch: 47466

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 47407

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U F2 F1 * +	0.100	0.05538	F1	mg/Kg		55	70 - 130
Toluene	<0.00201	U F2 F1	0.100	0.05165	F1	mg/Kg		51	70 - 130
Ethylbenzene	<0.00201	U F2 F1	0.100	0.04858	F1	mg/Kg		48	70 - 130
m-Xylene & p-Xylene	<0.00402	U F1	0.201	0.1032	F1	mg/Kg		51	70 - 130
o-Xylene	<0.00201	U F2 F1	0.100	0.05892	F1	mg/Kg		59	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: 880-25235-A-57-B MSD

Matrix: Solid

Analysis Batch: 47466

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 47407

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U F2 F1 * +	0.0990	0.03508	F1 F2	mg/Kg		35	70 - 130	45	35
Toluene	<0.00201	U F2 F1	0.0990	0.03284	F1 F2	mg/Kg		33	70 - 130	45	35
Ethylbenzene	<0.00201	U F2 F1	0.0990	0.03140	F1 F2	mg/Kg		32	70 - 130	43	35
m-Xylene & p-Xylene	<0.00402	U F1	0.198	0.07209	F1	mg/Kg		36	70 - 130	35	35
o-Xylene	<0.00201	U F2 F1	0.0990	0.03917	F1 F2	mg/Kg		40	70 - 130	40	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

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

Lab Sample ID: 880-25235-A-57-B MSD

Matrix: Solid

Analysis Batch: 47466

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 47407

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

Lab Sample ID: MB 880-47616/5-A

Matrix: Solid

Analysis Batch: 47603

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 47616

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/02/23 09:28	03/02/23 11:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/02/23 09:28	03/02/23 11:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/02/23 09:28	03/02/23 11:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/02/23 09:28	03/02/23 11:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/02/23 09:28	03/02/23 11:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/02/23 09:28	03/02/23 11:08	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	83		70 - 130	03/02/23 09:28	03/02/23 11:08	1			
1,4-Difluorobenzene (Surr)	83		70 - 130	03/02/23 09:28	03/02/23 11:08	1			

Lab Sample ID: LCS 880-47616/1-A

Matrix: Solid

Analysis Batch: 47603

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47616

	Spike	LCS	LCS					%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	0.100	0.08324		mg/Kg		83	70 - 130		
Toluene	0.100	0.08248		mg/Kg		82	70 - 130		
Ethylbenzene	0.100	0.09740		mg/Kg		97	70 - 130		
m-Xylene & p-Xylene	0.200	0.2063		mg/Kg		103	70 - 130		
o-Xylene	0.100	0.1060		mg/Kg		106	70 - 130		

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: LCSD 880-47616/2-A

Matrix: Solid

Analysis Batch: 47603

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 47616

	Spike	LCSD	LCSD					%Rec	RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.08959		mg/Kg		90	70 - 130	7	35	
Toluene	0.100	0.08981		mg/Kg		90	70 - 130	9	35	
Ethylbenzene	0.100	0.1040		mg/Kg		104	70 - 130	7	35	
m-Xylene & p-Xylene	0.200	0.2008		mg/Kg		100	70 - 130	3	35	
o-Xylene	0.100	0.1017		mg/Kg		102	70 - 130	4	35	

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	122		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

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

Lab Sample ID: 890-4197-A-10-F MS

Matrix: Solid

Analysis Batch: 47603

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 47616

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.100	0.1166		mg/Kg		114	70 - 130
Toluene	0.00371		0.100	0.1033		mg/Kg		99	70 - 130
Ethylbenzene	0.00518		0.100	0.1059		mg/Kg		100	70 - 130
m-Xylene & p-Xylene	0.00916		0.201	0.2144		mg/Kg		102	70 - 130
o-Xylene	0.00634		0.100	0.1057		mg/Kg		99	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: 890-4197-A-10-G MSD

Matrix: Solid

Analysis Batch: 47603

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 47616

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.0990	0.1227		mg/Kg		122	70 - 130	5	35
Toluene	0.00371		0.0990	0.1085		mg/Kg		106	70 - 130	5	35
Ethylbenzene	0.00518		0.0990	0.1109		mg/Kg		107	70 - 130	5	35
m-Xylene & p-Xylene	0.00916		0.198	0.2277		mg/Kg		110	70 - 130	6	35
o-Xylene	0.00634		0.0990	0.1131		mg/Kg		108	70 - 130	7	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: MB 880-47713/5-A

Matrix: Solid

Analysis Batch: 47723

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 47713

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/03/23 09:48	03/03/23 14:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/03/23 09:48	03/03/23 14:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/03/23 09:48	03/03/23 14:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/03/23 09:48	03/03/23 14:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/03/23 09:48	03/03/23 14:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/03/23 09:48	03/03/23 14:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	03/03/23 09:48	03/03/23 14:40	1
1,4-Difluorobenzene (Surr)	106		70 - 130	03/03/23 09:48	03/03/23 14:40	1

Lab Sample ID: LCS 880-47713/1-A

Matrix: Solid

Analysis Batch: 47723

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47713

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09079		mg/Kg		91	70 - 130
Toluene	0.100	0.09638		mg/Kg		96	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

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

Lab Sample ID: LCS 880-47713/1-A

Matrix: Solid

Analysis Batch: 47723

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47713

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	0.100	0.1029		mg/Kg		103	70 - 130
m-Xylene & p-Xylene	0.200	0.2158		mg/Kg		108	70 - 130
o-Xylene	0.100	0.1022		mg/Kg		102	70 - 130

Surrogate	%Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	121		70 - 130

Lab Sample ID: LCSD 880-47713/2-A

Matrix: Solid

Analysis Batch: 47723

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 47713

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1026		mg/Kg		103	70 - 130	12	35
Toluene	0.100	0.1042		mg/Kg		104	70 - 130	8	35
Ethylbenzene	0.100	0.1088		mg/Kg		109	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.2331		mg/Kg		117	70 - 130	8	35
o-Xylene	0.100	0.1112		mg/Kg		111	70 - 130	8	35

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

Lab Sample ID: 880-24991-A-11-F MS

Matrix: Solid

Analysis Batch: 47723

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 47713

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.1037		mg/Kg		104	70 - 130
Toluene	<0.00201	U	0.100	0.1145		mg/Kg		114	70 - 130
Ethylbenzene	<0.00201	U	0.100	0.1208		mg/Kg		121	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2579		mg/Kg		129	70 - 130
o-Xylene	<0.00201	U	0.100	0.1236		mg/Kg		123	70 - 130

Surrogate	%Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 880-24991-A-11-G MSD

Matrix: Solid

Analysis Batch: 47723

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 47713

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00201	U	0.0996	0.1202		mg/Kg		121	70 - 130	15	35
Toluene	<0.00201	U	0.0996	0.1171		mg/Kg		118	70 - 130	2	35
Ethylbenzene	<0.00201	U	0.0996	0.1216		mg/Kg		122	70 - 130	1	35
m-Xylene & p-Xylene	<0.00402	U	0.199	0.2596		mg/Kg		130	70 - 130	1	35
o-Xylene	<0.00201	U	0.0996	0.1245		mg/Kg		125	70 - 130	1	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

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

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

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

Lab Sample ID: MB 880-47205/1-A

Matrix: Solid

Analysis Batch: 47221

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 47205

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		02/24/23 15:11	02/25/23 08:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/24/23 15:11	02/25/23 08:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/24/23 15:11	02/25/23 08:50	1
Total TPH	<50.0	U	50.0		mg/Kg		02/24/23 15:11	02/25/23 08:50	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	147	S1+	70 - 130	02/24/23 15:11	02/25/23 08:50	1
o-Terphenyl	155	S1+	70 - 130	02/24/23 15:11	02/25/23 08:50	1

Lab Sample ID: LCS 880-47205/2-A

Matrix: Solid

Analysis Batch: 47221

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47205

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	985.6		mg/Kg		99	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1051		mg/Kg		105	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	117		70 - 130
o-Terphenyl	117		70 - 130

Lab Sample ID: LCSD 880-47205/3-A

Matrix: Solid

Analysis Batch: 47221

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 47205

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	959.3		mg/Kg		96	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	1125		mg/Kg		113	70 - 130	7	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	130		70 - 130
o-Terphenyl	125		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

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

Lab Sample ID: 880-25053-41 MS

Matrix: Solid

Analysis Batch: 47221

Client Sample ID: T-7 (5')

Prep Type: Total/NA

Prep Batch: 47205

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	1077		mg/Kg		105	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1052		mg/Kg		106	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	111		70 - 130						
o-Terphenyl	111		70 - 130						

Lab Sample ID: 880-25053-41 MSD

Matrix: Solid

Analysis Batch: 47221

Client Sample ID: T-7 (5')

Prep Type: Total/NA

Prep Batch: 47205

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1009		mg/Kg		98	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1045		mg/Kg		105	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	110		70 - 130								
o-Terphenyl	110		70 - 130								

Lab Sample ID: MB 880-47231/1-A

Matrix: Solid

Analysis Batch: 47263

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 47231

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		02/25/23 09:58	02/27/23 08:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/25/23 09:58	02/27/23 08:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/25/23 09:58	02/27/23 08:26	1
Total TPH	<50.0	U	50.0		mg/Kg		02/25/23 09:58	02/27/23 08:26	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	139	S1+	70 - 130				02/25/23 09:58	02/27/23 08:26	1
o-Terphenyl	156	S1+	70 - 130				02/25/23 09:58	02/27/23 08:26	1

Lab Sample ID: LCS 880-47231/2-A

Matrix: Solid

Analysis Batch: 47263

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47231

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1116		mg/Kg		112	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1164		mg/Kg		116	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

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

Lab Sample ID: LCS 880-47231/2-A

Matrix: Solid

Analysis Batch: 47263

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47231

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	108		70 - 130
o-Terphenyl	116		70 - 130

Lab Sample ID: LCSD 880-47231/3-A

Matrix: Solid

Analysis Batch: 47263

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 47231

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1081		mg/Kg		108	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	1130		mg/Kg		113	70 - 130	3	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	95		70 - 130
o-Terphenyl	106		70 - 130

Lab Sample ID: 880-25053-1 MS

Matrix: Solid

Analysis Batch: 47263

Client Sample ID: T-1 (5')

Prep Type: Total/NA

Prep Batch: 47231

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F2	999	910.2		mg/Kg		87	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	999	939.1		mg/Kg		94	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	112		70 - 130
o-Terphenyl	99		70 - 130

Lab Sample ID: 880-25053-1 MSD

Matrix: Solid

Analysis Batch: 47263

Client Sample ID: T-1 (5')

Prep Type: Total/NA

Prep Batch: 47231

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F2	997	1211	F2	mg/Kg		118	70 - 130	28	20
Diesel Range Organics (Over C10-C28)	<49.9	U	997	942.5		mg/Kg		95	70 - 130	0	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	100		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

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

Lab Sample ID: MB 880-47232/1-A

Matrix: Solid

Analysis Batch: 47241

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 47232

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		02/25/23 10:04	02/26/23 08:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/25/23 10:04	02/26/23 08:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/25/23 10:04	02/26/23 08:53	1
Total TPH	<50.0	U	50.0		mg/Kg		02/25/23 10:04	02/26/23 08:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	147	S1+	70 - 130	02/25/23 10:04	02/26/23 08:53	1
o-Terphenyl	192	S1+	70 - 130	02/25/23 10:04	02/26/23 08:53	1

Lab Sample ID: LCS 880-47232/2-A

Matrix: Solid

Analysis Batch: 47241

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47232

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1063		mg/Kg		106	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1019		mg/Kg		102	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	95		70 - 130
o-Terphenyl	121		70 - 130

Lab Sample ID: LCSD 880-47232/3-A

Matrix: Solid

Analysis Batch: 47241

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 47232

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1033		mg/Kg		103	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	1088		mg/Kg		109	70 - 130	7	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	106		70 - 130
o-Terphenyl	133	S1+	70 - 130

Lab Sample ID: 880-25053-21 MS

Matrix: Solid

Analysis Batch: 47241

Client Sample ID: T-3 (7')

Prep Type: Total/NA

Prep Batch: 47232

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	970.8		mg/Kg		95	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1115		mg/Kg		109	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

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

Lab Sample ID: 880-25053-21 MS

Matrix: Solid

Analysis Batch: 47241

Client Sample ID: T-3 (7')

Prep Type: Total/NA

Prep Batch: 47232

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	125		70 - 130

Lab Sample ID: 880-25053-21 MSD

Matrix: Solid

Analysis Batch: 47241

Client Sample ID: T-3 (7')

Prep Type: Total/NA

Prep Batch: 47232

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	933.0		mg/Kg		91	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1074		mg/Kg		105	70 - 130	4	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	121		70 - 130

Lab Sample ID: MB 880-47233/1-A

Matrix: Solid

Analysis Batch: 47265

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 47233

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		02/25/23 11:49	02/27/23 08:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/25/23 11:49	02/27/23 08:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/25/23 11:49	02/27/23 08:26	1
Total TPH	<50.0	U	50.0		mg/Kg		02/25/23 11:49	02/27/23 08:26	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	139	S1+	70 - 130	02/25/23 11:49	02/27/23 08:26	1			
o-Terphenyl	181	S1+	70 - 130	02/25/23 11:49	02/27/23 08:26	1			

Lab Sample ID: LCS 880-47233/2-A

Matrix: Solid

Analysis Batch: 47265

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47233

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	834.0		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)	1000	892.8		mg/Kg		89	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	86		70 - 130
o-Terphenyl	107		70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

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

Lab Sample ID: LCSD 880-47233/3-A

Matrix: Solid

Analysis Batch: 47265

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 47233

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	917.6		mg/Kg		92	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	1000	930.9		mg/Kg		93	70 - 130	4	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	90		70 - 130						
o-Terphenyl	114		70 - 130						

Lab Sample ID: 880-25053-41 MS

Matrix: Solid

Analysis Batch: 47265

Client Sample ID: T-7 (5')

Prep Type: Total/NA

Prep Batch: 47233

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	864.9		mg/Kg		85	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	998	998.7		mg/Kg		100	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	103		70 - 130								
o-Terphenyl	120		70 - 130								

Lab Sample ID: 880-25053-41 MSD

Matrix: Solid

Analysis Batch: 47265

Client Sample ID: T-7 (5')

Prep Type: Total/NA

Prep Batch: 47233

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	878.9		mg/Kg		86	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	1003		mg/Kg		100	70 - 130	0	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	103		70 - 130								
o-Terphenyl	120		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-47156/1-A

Matrix: Solid

Analysis Batch: 47304

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			02/27/23 08:32	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-47156/2-A

Matrix: Solid

Analysis Batch: 47304

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	249.3		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-47156/3-A

Matrix: Solid

Analysis Batch: 47304

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	260.7		mg/Kg		104	90 - 110	4	20

Lab Sample ID: 880-25053-21 MS

Matrix: Solid

Analysis Batch: 47304

Client Sample ID: T-3 (7')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	833		1260	2089		mg/Kg		100	90 - 110

Lab Sample ID: 880-25053-21 MSD

Matrix: Solid

Analysis Batch: 47304

Client Sample ID: T-3 (7')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	833		1260	2092		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 880-25053-31 MS

Matrix: Solid

Analysis Batch: 47304

Client Sample ID: T-4 (11')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1700	F1	1240	3058		mg/Kg		109	90 - 110

Lab Sample ID: 880-25053-31 MSD

Matrix: Solid

Analysis Batch: 47304

Client Sample ID: T-4 (11')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1700	F1	1240	3099	F1	mg/Kg		113	90 - 110	1	20

Lab Sample ID: MB 880-47155/1-A

Matrix: Solid

Analysis Batch: 47305

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			02/27/23 09:00	1

Lab Sample ID: LCS 880-47155/2-A

Matrix: Solid

Analysis Batch: 47305

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	235.0		mg/Kg		94	90 - 110

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-47155/3-A

Matrix: Solid

Analysis Batch: 47305

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	234.2		mg/Kg		94	90 - 110	0	20

Lab Sample ID: 880-25053-1 MS

Matrix: Solid

Analysis Batch: 47305

Client Sample ID: T-1 (5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1510		1260	2843		mg/Kg		106	90 - 110		

Lab Sample ID: 880-25053-1 MSD

Matrix: Solid

Analysis Batch: 47305

Client Sample ID: T-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	1510		1260	2825		mg/Kg		105	90 - 110	1	20

Lab Sample ID: 880-25053-11 MS

Matrix: Solid

Analysis Batch: 47305

Client Sample ID: T-2 (11')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1320		1240	2679		mg/Kg		110	90 - 110		

Lab Sample ID: 880-25053-11 MSD

Matrix: Solid

Analysis Batch: 47305

Client Sample ID: T-2 (11')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1320		1240	2683		mg/Kg		110	90 - 110	0	20

Lab Sample ID: MB 880-47157/1-A

Matrix: Solid

Analysis Batch: 47378

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			02/27/23 23:55	1

Lab Sample ID: LCS 880-47157/2-A

Matrix: Solid

Analysis Batch: 47378

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	253.5		mg/Kg		101	90 - 110		

Lab Sample ID: LCSD 880-47157/3-A

Matrix: Solid

Analysis Batch: 47378

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	253.8		mg/Kg		102	90 - 110	0	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-25053-41 MS											Client Sample ID: T-7 (5')		
Matrix: Solid											Prep Type: Soluble		
Analysis Batch: 47378													
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits				
Chloride	4990	F1	2510	8065	F1	mg/Kg		122	90 - 110				

Lab Sample ID: 880-25053-41 MSD											Client Sample ID: T-7 (5')		
Matrix: Solid											Prep Type: Soluble		
Analysis Batch: 47378													
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Chloride	4990	F1	2510	8111	F1	mg/Kg		124	90 - 110	1	20		

Lab Sample ID: 880-25053-51 MS											Client Sample ID: T-9 (6')		
Matrix: Solid											Prep Type: Soluble		
Analysis Batch: 47378													
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits				
Chloride	5580	F1	2490	9061	F1	mg/Kg		140	90 - 110				

Lab Sample ID: 880-25053-51 MSD											Client Sample ID: T-9 (6')		
Matrix: Solid											Prep Type: Soluble		
Analysis Batch: 47378													
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Chloride	5580	F1	2490	9065	F1	mg/Kg		140	90 - 110	0	20		

QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

GC VOA

Prep Batch: 47339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25053-1	T-1 (5')	Total/NA	Solid	5035	
880-25053-2	T-1 (6')	Total/NA	Solid	5035	
880-25053-3	T-1 (7')	Total/NA	Solid	5035	
880-25053-4	T-1 (8')	Total/NA	Solid	5035	
880-25053-5	T-2 (5')	Total/NA	Solid	5035	
880-25053-6	T-2 (6')	Total/NA	Solid	5035	
880-25053-7	T-2 (7')	Total/NA	Solid	5035	
880-25053-8	T-2 (8')	Total/NA	Solid	5035	
880-25053-9	T-2 (9')	Total/NA	Solid	5035	
880-25053-10	T-2 (10')	Total/NA	Solid	5035	
880-25053-11	T-2 (11')	Total/NA	Solid	5035	
880-25053-12	T-2 (12')	Total/NA	Solid	5035	
880-25053-13	T-2 (13')	Total/NA	Solid	5035	
880-25053-14	T-3 (0-1')	Total/NA	Solid	5035	
MB 880-47339/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-47339/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-47339/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-25053-1 MS	T-1 (5')	Total/NA	Solid	5035	
880-25053-1 MSD	T-1 (5')	Total/NA	Solid	5035	

Prep Batch: 47340

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25053-21	T-3 (7')	Total/NA	Solid	5035	
880-25053-22	T-3 (8')	Total/NA	Solid	5035	
880-25053-23	T-3 (9')	Total/NA	Solid	5035	
880-25053-24	T-3 (10')	Total/NA	Solid	5035	
880-25053-25	T-3 (11')	Total/NA	Solid	5035	
880-25053-26	T-4 (6')	Total/NA	Solid	5035	
880-25053-27	T-4 (7')	Total/NA	Solid	5035	
880-25053-28	T-4 (8')	Total/NA	Solid	5035	
880-25053-29	T-4 (9')	Total/NA	Solid	5035	
880-25053-30	T-4 (10')	Total/NA	Solid	5035	
MB 880-47340/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-47340/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-47340/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-25053-21 MS	T-3 (7')	Total/NA	Solid	5035	
880-25053-21 MSD	T-3 (7')	Total/NA	Solid	5035	

Prep Batch: 47406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-47406/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 47407

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25053-41	T-7 (5')	Total/NA	Solid	5035	
880-25053-42	T-7 (6')	Total/NA	Solid	5035	
880-25053-43	T-7 (7')	Total/NA	Solid	5035	
880-25053-44	T-7 (8')	Total/NA	Solid	5035	
880-25053-45	T-7 (9')	Total/NA	Solid	5035	
880-25053-46	T-8 (5')	Total/NA	Solid	5035	
880-25053-47	T-8 (6')	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

GC VOA (Continued)

Prep Batch: 47407 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25053-48	T-8 (7')	Total/NA	Solid	5035	
880-25053-49	T-8 (8')	Total/NA	Solid	5035	
880-25053-50	T-8 (9')	Total/NA	Solid	5035	
880-25053-51	T-9 (6')	Total/NA	Solid	5035	
880-25053-52	T-9 (7')	Total/NA	Solid	5035	
880-25053-53	T-9 (8')	Total/NA	Solid	5035	
MB 880-47407/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-47407/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-47407/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-25235-A-57-A MS	Matrix Spike	Total/NA	Solid	5035	
880-25235-A-57-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 47466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25053-41	T-7 (5')	Total/NA	Solid	8021B	47407
880-25053-42	T-7 (6')	Total/NA	Solid	8021B	47407
880-25053-43	T-7 (7')	Total/NA	Solid	8021B	47407
880-25053-44	T-7 (8')	Total/NA	Solid	8021B	47407
880-25053-45	T-7 (9')	Total/NA	Solid	8021B	47407
880-25053-46	T-8 (5')	Total/NA	Solid	8021B	47407
880-25053-47	T-8 (6')	Total/NA	Solid	8021B	47407
880-25053-48	T-8 (7')	Total/NA	Solid	8021B	47407
880-25053-49	T-8 (8')	Total/NA	Solid	8021B	47407
880-25053-50	T-8 (9')	Total/NA	Solid	8021B	47407
880-25053-51	T-9 (6')	Total/NA	Solid	8021B	47407
880-25053-52	T-9 (7')	Total/NA	Solid	8021B	47407
880-25053-53	T-9 (8')	Total/NA	Solid	8021B	47407
MB 880-47406/5-A	Method Blank	Total/NA	Solid	8021B	47406
MB 880-47407/5-A	Method Blank	Total/NA	Solid	8021B	47407
LCS 880-47407/1-A	Lab Control Sample	Total/NA	Solid	8021B	47407
LCSD 880-47407/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	47407
880-25235-A-57-A MS	Matrix Spike	Total/NA	Solid	8021B	47407
880-25235-A-57-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	47407

Analysis Batch: 47509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25053-1	T-1 (5')	Total/NA	Solid	8021B	47339
880-25053-2	T-1 (6')	Total/NA	Solid	8021B	47339
880-25053-3	T-1 (7')	Total/NA	Solid	8021B	47339
880-25053-4	T-1 (8')	Total/NA	Solid	8021B	47339
880-25053-5	T-2 (5')	Total/NA	Solid	8021B	47339
880-25053-6	T-2 (6')	Total/NA	Solid	8021B	47339
880-25053-7	T-2 (7')	Total/NA	Solid	8021B	47339
880-25053-8	T-2 (8')	Total/NA	Solid	8021B	47339
880-25053-9	T-2 (9')	Total/NA	Solid	8021B	47339
880-25053-10	T-2 (10')	Total/NA	Solid	8021B	47339
880-25053-11	T-2 (11')	Total/NA	Solid	8021B	47339
880-25053-12	T-2 (12')	Total/NA	Solid	8021B	47339
880-25053-13	T-2 (13')	Total/NA	Solid	8021B	47339
880-25053-14	T-3 (0-1')	Total/NA	Solid	8021B	47339
MB 880-47339/5-A	Method Blank	Total/NA	Solid	8021B	47339

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

GC VOA (Continued)

Analysis Batch: 47509 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-47339/1-A	Lab Control Sample	Total/NA	Solid	8021B	47339
LCSD 880-47339/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	47339
880-25053-1 MS	T-1 (5')	Total/NA	Solid	8021B	47339
880-25053-1 MSD	T-1 (5')	Total/NA	Solid	8021B	47339

Analysis Batch: 47554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25053-1	T-1 (5')	Total/NA	Solid	Total BTEX	
880-25053-2	T-1 (6')	Total/NA	Solid	Total BTEX	
880-25053-3	T-1 (7')	Total/NA	Solid	Total BTEX	
880-25053-4	T-1 (8')	Total/NA	Solid	Total BTEX	
880-25053-5	T-2 (5')	Total/NA	Solid	Total BTEX	
880-25053-6	T-2 (6')	Total/NA	Solid	Total BTEX	
880-25053-7	T-2 (7')	Total/NA	Solid	Total BTEX	
880-25053-8	T-2 (8')	Total/NA	Solid	Total BTEX	
880-25053-9	T-2 (9')	Total/NA	Solid	Total BTEX	
880-25053-10	T-2 (10')	Total/NA	Solid	Total BTEX	
880-25053-11	T-2 (11')	Total/NA	Solid	Total BTEX	
880-25053-12	T-2 (12')	Total/NA	Solid	Total BTEX	
880-25053-13	T-2 (13')	Total/NA	Solid	Total BTEX	
880-25053-14	T-3 (0-1')	Total/NA	Solid	Total BTEX	
880-25053-15	T-3 (1.5')	Total/NA	Solid	Total BTEX	
880-25053-16	T-3 (2')	Total/NA	Solid	Total BTEX	
880-25053-17	T-3 (3')	Total/NA	Solid	Total BTEX	
880-25053-18	T-3 (4')	Total/NA	Solid	Total BTEX	
880-25053-19	T-3 (5')	Total/NA	Solid	Total BTEX	
880-25053-20	T-3 (6')	Total/NA	Solid	Total BTEX	
880-25053-21	T-3 (7')	Total/NA	Solid	Total BTEX	
880-25053-22	T-3 (8')	Total/NA	Solid	Total BTEX	
880-25053-23	T-3 (9')	Total/NA	Solid	Total BTEX	
880-25053-24	T-3 (10')	Total/NA	Solid	Total BTEX	
880-25053-25	T-3 (11')	Total/NA	Solid	Total BTEX	
880-25053-26	T-4 (6')	Total/NA	Solid	Total BTEX	
880-25053-27	T-4 (7')	Total/NA	Solid	Total BTEX	
880-25053-28	T-4 (8')	Total/NA	Solid	Total BTEX	
880-25053-29	T-4 (9')	Total/NA	Solid	Total BTEX	
880-25053-30	T-4 (10')	Total/NA	Solid	Total BTEX	
880-25053-31	T-4 (11')	Total/NA	Solid	Total BTEX	
880-25053-32	T-4 (12')	Total/NA	Solid	Total BTEX	
880-25053-33	T-5 (6')	Total/NA	Solid	Total BTEX	
880-25053-34	T-5 (7')	Total/NA	Solid	Total BTEX	
880-25053-35	T-5 (8')	Total/NA	Solid	Total BTEX	
880-25053-36	T-5 (9')	Total/NA	Solid	Total BTEX	
880-25053-37	T-5 (10')	Total/NA	Solid	Total BTEX	
880-25053-38	T-5 (11')	Total/NA	Solid	Total BTEX	
880-25053-39	T-6 (5')	Total/NA	Solid	Total BTEX	
880-25053-40	T-6 (6')	Total/NA	Solid	Total BTEX	
880-25053-41	T-7 (5')	Total/NA	Solid	Total BTEX	
880-25053-42	T-7 (6')	Total/NA	Solid	Total BTEX	
880-25053-43	T-7 (7')	Total/NA	Solid	Total BTEX	
880-25053-44	T-7 (8')	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

GC VOA (Continued)

Analysis Batch: 47554 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25053-45	T-7 (9')	Total/NA	Solid	Total BTEX	
880-25053-46	T-8 (5')	Total/NA	Solid	Total BTEX	
880-25053-47	T-8 (6')	Total/NA	Solid	Total BTEX	
880-25053-48	T-8 (7')	Total/NA	Solid	Total BTEX	
880-25053-49	T-8 (8')	Total/NA	Solid	Total BTEX	
880-25053-50	T-8 (9')	Total/NA	Solid	Total BTEX	
880-25053-51	T-9 (6')	Total/NA	Solid	Total BTEX	
880-25053-52	T-9 (7')	Total/NA	Solid	Total BTEX	
880-25053-53	T-9 (8')	Total/NA	Solid	Total BTEX	

Analysis Batch: 47603

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25053-15	T-3 (1.5')	Total/NA	Solid	8021B	47616
880-25053-16	T-3 (2')	Total/NA	Solid	8021B	47616
880-25053-17	T-3 (3')	Total/NA	Solid	8021B	47616
880-25053-18	T-3 (4')	Total/NA	Solid	8021B	47616
880-25053-19	T-3 (5')	Total/NA	Solid	8021B	47616
880-25053-20	T-3 (6')	Total/NA	Solid	8021B	47616
MB 880-47616/5-A	Method Blank	Total/NA	Solid	8021B	47616
LCS 880-47616/1-A	Lab Control Sample	Total/NA	Solid	8021B	47616
LCSD 880-47616/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	47616
890-4197-A-10-F MS	Matrix Spike	Total/NA	Solid	8021B	47616
890-4197-A-10-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	47616

Prep Batch: 47616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25053-15	T-3 (1.5')	Total/NA	Solid	5035	
880-25053-16	T-3 (2')	Total/NA	Solid	5035	
880-25053-17	T-3 (3')	Total/NA	Solid	5035	
880-25053-18	T-3 (4')	Total/NA	Solid	5035	
880-25053-19	T-3 (5')	Total/NA	Solid	5035	
880-25053-20	T-3 (6')	Total/NA	Solid	5035	
MB 880-47616/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-47616/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-47616/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-4197-A-10-F MS	Matrix Spike	Total/NA	Solid	5035	
890-4197-A-10-G MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 47617

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25053-21	T-3 (7')	Total/NA	Solid	8021B	47340
880-25053-22	T-3 (8')	Total/NA	Solid	8021B	47340
880-25053-23	T-3 (9')	Total/NA	Solid	8021B	47340
880-25053-24	T-3 (10')	Total/NA	Solid	8021B	47340
880-25053-25	T-3 (11')	Total/NA	Solid	8021B	47340
880-25053-26	T-4 (6')	Total/NA	Solid	8021B	47340
880-25053-27	T-4 (7')	Total/NA	Solid	8021B	47340
880-25053-28	T-4 (8')	Total/NA	Solid	8021B	47340
880-25053-29	T-4 (9')	Total/NA	Solid	8021B	47340
880-25053-30	T-4 (10')	Total/NA	Solid	8021B	47340
MB 880-47340/5-A	Method Blank	Total/NA	Solid	8021B	47340

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

GC VOA (Continued)

Analysis Batch: 47617 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-47340/1-A	Lab Control Sample	Total/NA	Solid	8021B	47340
LCSD 880-47340/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	47340
880-25053-21 MS	T-3 (7')	Total/NA	Solid	8021B	47340
880-25053-21 MSD	T-3 (7')	Total/NA	Solid	8021B	47340

Prep Batch: 47713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25053-31	T-4 (11')	Total/NA	Solid	5035	
880-25053-32	T-4 (12')	Total/NA	Solid	5035	
880-25053-33	T-5 (6')	Total/NA	Solid	5035	
880-25053-34	T-5 (7')	Total/NA	Solid	5035	
880-25053-35	T-5 (8')	Total/NA	Solid	5035	
880-25053-36	T-5 (9')	Total/NA	Solid	5035	
880-25053-37	T-5 (10')	Total/NA	Solid	5035	
880-25053-38	T-5 (11')	Total/NA	Solid	5035	
880-25053-39	T-6 (5')	Total/NA	Solid	5035	
880-25053-40	T-6 (6')	Total/NA	Solid	5035	
MB 880-47713/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-47713/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-47713/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-24991-A-11-F MS	Matrix Spike	Total/NA	Solid	5035	
880-24991-A-11-G MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 47723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25053-31	T-4 (11')	Total/NA	Solid	8021B	47713
880-25053-32	T-4 (12')	Total/NA	Solid	8021B	47713
880-25053-33	T-5 (6')	Total/NA	Solid	8021B	47713
880-25053-34	T-5 (7')	Total/NA	Solid	8021B	47713
880-25053-35	T-5 (8')	Total/NA	Solid	8021B	47713
880-25053-36	T-5 (9')	Total/NA	Solid	8021B	47713
880-25053-37	T-5 (10')	Total/NA	Solid	8021B	47713
880-25053-38	T-5 (11')	Total/NA	Solid	8021B	47713
880-25053-39	T-6 (5')	Total/NA	Solid	8021B	47713
880-25053-40	T-6 (6')	Total/NA	Solid	8021B	47713
MB 880-47713/5-A	Method Blank	Total/NA	Solid	8021B	47713
LCS 880-47713/1-A	Lab Control Sample	Total/NA	Solid	8021B	47713
LCSD 880-47713/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	47713
880-24991-A-11-F MS	Matrix Spike	Total/NA	Solid	8021B	47713
880-24991-A-11-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	47713

GC Semi VOA

Prep Batch: 47205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25053-41	T-7 (5')	Total/NA	Solid	8015NM Prep	
880-25053-42	T-7 (6')	Total/NA	Solid	8015NM Prep	
880-25053-43	T-7 (7')	Total/NA	Solid	8015NM Prep	
880-25053-44	T-7 (8')	Total/NA	Solid	8015NM Prep	
880-25053-45	T-7 (9')	Total/NA	Solid	8015NM Prep	
880-25053-46	T-8 (5')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

GC Semi VOA (Continued)

Prep Batch: 47205 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25053-47	T-8 (6')	Total/NA	Solid	8015NM Prep	
880-25053-48	T-8 (7')	Total/NA	Solid	8015NM Prep	
880-25053-49	T-8 (8')	Total/NA	Solid	8015NM Prep	
880-25053-50	T-8 (9')	Total/NA	Solid	8015NM Prep	
880-25053-51	T-9 (6')	Total/NA	Solid	8015NM Prep	
880-25053-52	T-9 (7')	Total/NA	Solid	8015NM Prep	
880-25053-53	T-9 (8')	Total/NA	Solid	8015NM Prep	
MB 880-47205/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-47205/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-47205/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-25053-41 MS	T-7 (5')	Total/NA	Solid	8015NM Prep	
880-25053-41 MSD	T-7 (5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 47221

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25053-41	T-7 (5')	Total/NA	Solid	8015B NM	47205
880-25053-42	T-7 (6')	Total/NA	Solid	8015B NM	47205
880-25053-43	T-7 (7')	Total/NA	Solid	8015B NM	47205
880-25053-44	T-7 (8')	Total/NA	Solid	8015B NM	47205
880-25053-45	T-7 (9')	Total/NA	Solid	8015B NM	47205
880-25053-46	T-8 (5')	Total/NA	Solid	8015B NM	47205
880-25053-47	T-8 (6')	Total/NA	Solid	8015B NM	47205
880-25053-48	T-8 (7')	Total/NA	Solid	8015B NM	47205
880-25053-49	T-8 (8')	Total/NA	Solid	8015B NM	47205
880-25053-50	T-8 (9')	Total/NA	Solid	8015B NM	47205
880-25053-51	T-9 (6')	Total/NA	Solid	8015B NM	47205
880-25053-52	T-9 (7')	Total/NA	Solid	8015B NM	47205
880-25053-53	T-9 (8')	Total/NA	Solid	8015B NM	47205
MB 880-47205/1-A	Method Blank	Total/NA	Solid	8015B NM	47205
LCS 880-47205/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	47205
LCSD 880-47205/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	47205
880-25053-41 MS	T-7 (5')	Total/NA	Solid	8015B NM	47205
880-25053-41 MSD	T-7 (5')	Total/NA	Solid	8015B NM	47205

Prep Batch: 47231

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25053-1	T-1 (5')	Total/NA	Solid	8015NM Prep	
880-25053-2	T-1 (6')	Total/NA	Solid	8015NM Prep	
880-25053-3	T-1 (7')	Total/NA	Solid	8015NM Prep	
880-25053-4	T-1 (8')	Total/NA	Solid	8015NM Prep	
880-25053-5	T-2 (5')	Total/NA	Solid	8015NM Prep	
880-25053-6	T-2 (6')	Total/NA	Solid	8015NM Prep	
880-25053-7	T-2 (7')	Total/NA	Solid	8015NM Prep	
880-25053-8	T-2 (8')	Total/NA	Solid	8015NM Prep	
880-25053-9	T-2 (9')	Total/NA	Solid	8015NM Prep	
880-25053-10	T-2 (10')	Total/NA	Solid	8015NM Prep	
880-25053-11	T-2 (11')	Total/NA	Solid	8015NM Prep	
880-25053-12	T-2 (12')	Total/NA	Solid	8015NM Prep	
880-25053-13	T-2 (13')	Total/NA	Solid	8015NM Prep	
880-25053-14	T-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-25053-15	T-3 (1.5')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

GC Semi VOA (Continued)

Prep Batch: 47231 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25053-16	T-3 (2')	Total/NA	Solid	8015NM Prep	
880-25053-17	T-3 (3')	Total/NA	Solid	8015NM Prep	
880-25053-18	T-3 (4')	Total/NA	Solid	8015NM Prep	
880-25053-19	T-3 (5')	Total/NA	Solid	8015NM Prep	
880-25053-20	T-3 (6')	Total/NA	Solid	8015NM Prep	
MB 880-47231/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-47231/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-47231/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-25053-1 MS	T-1 (5')	Total/NA	Solid	8015NM Prep	
880-25053-1 MSD	T-1 (5')	Total/NA	Solid	8015NM Prep	

Prep Batch: 47232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25053-21	T-3 (7')	Total/NA	Solid	8015NM Prep	
880-25053-22	T-3 (8')	Total/NA	Solid	8015NM Prep	
880-25053-23	T-3 (9')	Total/NA	Solid	8015NM Prep	
880-25053-24	T-3 (10')	Total/NA	Solid	8015NM Prep	
880-25053-25	T-3 (11')	Total/NA	Solid	8015NM Prep	
880-25053-26	T-4 (6')	Total/NA	Solid	8015NM Prep	
880-25053-27	T-4 (7')	Total/NA	Solid	8015NM Prep	
880-25053-28	T-4 (8')	Total/NA	Solid	8015NM Prep	
880-25053-29	T-4 (9')	Total/NA	Solid	8015NM Prep	
880-25053-30	T-4 (10')	Total/NA	Solid	8015NM Prep	
880-25053-31	T-4 (11')	Total/NA	Solid	8015NM Prep	
880-25053-32	T-4 (12')	Total/NA	Solid	8015NM Prep	
880-25053-33	T-5 (6')	Total/NA	Solid	8015NM Prep	
880-25053-34	T-5 (7')	Total/NA	Solid	8015NM Prep	
880-25053-35	T-5 (8')	Total/NA	Solid	8015NM Prep	
880-25053-36	T-5 (9')	Total/NA	Solid	8015NM Prep	
880-25053-37	T-5 (10')	Total/NA	Solid	8015NM Prep	
880-25053-38	T-5 (11')	Total/NA	Solid	8015NM Prep	
880-25053-39	T-6 (5')	Total/NA	Solid	8015NM Prep	
880-25053-40	T-6 (6')	Total/NA	Solid	8015NM Prep	
MB 880-47232/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-47232/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-47232/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-25053-21 MS	T-3 (7')	Total/NA	Solid	8015NM Prep	
880-25053-21 MSD	T-3 (7')	Total/NA	Solid	8015NM Prep	

Prep Batch: 47233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-47233/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-47233/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-47233/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-25053-41 MS	T-7 (5')	Total/NA	Solid	8015NM Prep	
880-25053-41 MSD	T-7 (5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 47241

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25053-21	T-3 (7')	Total/NA	Solid	8015B NM	47232
880-25053-22	T-3 (8')	Total/NA	Solid	8015B NM	47232

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QC Association Summary

Client: Carmona Resources
 Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
 SDG: Lea Co. NM

GC Semi VOA (Continued)

Analysis Batch: 47241 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25053-23	T-3 (9')	Total/NA	Solid	8015B NM	47232
880-25053-24	T-3 (10')	Total/NA	Solid	8015B NM	47232
880-25053-25	T-3 (11')	Total/NA	Solid	8015B NM	47232
880-25053-26	T-4 (6')	Total/NA	Solid	8015B NM	47232
880-25053-27	T-4 (7')	Total/NA	Solid	8015B NM	47232
880-25053-28	T-4 (8')	Total/NA	Solid	8015B NM	47232
880-25053-29	T-4 (9')	Total/NA	Solid	8015B NM	47232
880-25053-30	T-4 (10')	Total/NA	Solid	8015B NM	47232
880-25053-31	T-4 (11')	Total/NA	Solid	8015B NM	47232
880-25053-32	T-4 (12')	Total/NA	Solid	8015B NM	47232
880-25053-33	T-5 (6')	Total/NA	Solid	8015B NM	47232
880-25053-34	T-5 (7')	Total/NA	Solid	8015B NM	47232
880-25053-35	T-5 (8')	Total/NA	Solid	8015B NM	47232
880-25053-36	T-5 (9')	Total/NA	Solid	8015B NM	47232
880-25053-37	T-5 (10')	Total/NA	Solid	8015B NM	47232
880-25053-38	T-5 (11')	Total/NA	Solid	8015B NM	47232
880-25053-39	T-6 (5')	Total/NA	Solid	8015B NM	47232
880-25053-40	T-6 (6')	Total/NA	Solid	8015B NM	47232
MB 880-47232/1-A	Method Blank	Total/NA	Solid	8015B NM	47232
LCS 880-47232/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	47232
LCSD 880-47232/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	47232
880-25053-21 MS	T-3 (7')	Total/NA	Solid	8015B NM	47232
880-25053-21 MSD	T-3 (7')	Total/NA	Solid	8015B NM	47232

Analysis Batch: 47263

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25053-1	T-1 (5')	Total/NA	Solid	8015B NM	47231
880-25053-2	T-1 (6')	Total/NA	Solid	8015B NM	47231
880-25053-3	T-1 (7')	Total/NA	Solid	8015B NM	47231
880-25053-4	T-1 (8')	Total/NA	Solid	8015B NM	47231
880-25053-5	T-2 (5')	Total/NA	Solid	8015B NM	47231
880-25053-6	T-2 (6')	Total/NA	Solid	8015B NM	47231
880-25053-7	T-2 (7')	Total/NA	Solid	8015B NM	47231
880-25053-8	T-2 (8')	Total/NA	Solid	8015B NM	47231
880-25053-9	T-2 (9')	Total/NA	Solid	8015B NM	47231
880-25053-10	T-2 (10')	Total/NA	Solid	8015B NM	47231
880-25053-11	T-2 (11')	Total/NA	Solid	8015B NM	47231
880-25053-12	T-2 (12')	Total/NA	Solid	8015B NM	47231
880-25053-13	T-2 (13')	Total/NA	Solid	8015B NM	47231
880-25053-14	T-3 (0-1')	Total/NA	Solid	8015B NM	47231
880-25053-15	T-3 (1.5')	Total/NA	Solid	8015B NM	47231
880-25053-16	T-3 (2')	Total/NA	Solid	8015B NM	47231
880-25053-17	T-3 (3')	Total/NA	Solid	8015B NM	47231
880-25053-18	T-3 (4')	Total/NA	Solid	8015B NM	47231
880-25053-19	T-3 (5')	Total/NA	Solid	8015B NM	47231
880-25053-20	T-3 (6')	Total/NA	Solid	8015B NM	47231
MB 880-47231/1-A	Method Blank	Total/NA	Solid	8015B NM	47231
LCS 880-47231/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	47231
LCSD 880-47231/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	47231
880-25053-1 MS	T-1 (5')	Total/NA	Solid	8015B NM	47231
880-25053-1 MSD	T-1 (5')	Total/NA	Solid	8015B NM	47231

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

GC Semi VOA

Analysis Batch: 47265

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-47233/1-A	Method Blank	Total/NA	Solid	8015B NM	47233
LCS 880-47233/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	47233
LCSD 880-47233/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	47233
880-25053-41 MS	T-7 (5')	Total/NA	Solid	8015B NM	47233
880-25053-41 MSD	T-7 (5')	Total/NA	Solid	8015B NM	47233

Analysis Batch: 47323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25053-1	T-1 (5')	Total/NA	Solid	8015 NM	
880-25053-2	T-1 (6')	Total/NA	Solid	8015 NM	
880-25053-3	T-1 (7')	Total/NA	Solid	8015 NM	
880-25053-4	T-1 (8')	Total/NA	Solid	8015 NM	
880-25053-5	T-2 (5')	Total/NA	Solid	8015 NM	
880-25053-6	T-2 (6')	Total/NA	Solid	8015 NM	
880-25053-7	T-2 (7')	Total/NA	Solid	8015 NM	
880-25053-8	T-2 (8')	Total/NA	Solid	8015 NM	
880-25053-9	T-2 (9')	Total/NA	Solid	8015 NM	
880-25053-10	T-2 (10')	Total/NA	Solid	8015 NM	
880-25053-11	T-2 (11')	Total/NA	Solid	8015 NM	
880-25053-12	T-2 (12')	Total/NA	Solid	8015 NM	
880-25053-13	T-2 (13')	Total/NA	Solid	8015 NM	
880-25053-14	T-3 (0-1')	Total/NA	Solid	8015 NM	
880-25053-15	T-3 (1.5')	Total/NA	Solid	8015 NM	
880-25053-16	T-3 (2')	Total/NA	Solid	8015 NM	
880-25053-17	T-3 (3')	Total/NA	Solid	8015 NM	
880-25053-18	T-3 (4')	Total/NA	Solid	8015 NM	
880-25053-19	T-3 (5')	Total/NA	Solid	8015 NM	
880-25053-20	T-3 (6')	Total/NA	Solid	8015 NM	
880-25053-21	T-3 (7')	Total/NA	Solid	8015 NM	
880-25053-22	T-3 (8')	Total/NA	Solid	8015 NM	
880-25053-23	T-3 (9')	Total/NA	Solid	8015 NM	
880-25053-24	T-3 (10')	Total/NA	Solid	8015 NM	
880-25053-25	T-3 (11')	Total/NA	Solid	8015 NM	
880-25053-26	T-4 (6')	Total/NA	Solid	8015 NM	
880-25053-27	T-4 (7')	Total/NA	Solid	8015 NM	
880-25053-28	T-4 (8')	Total/NA	Solid	8015 NM	
880-25053-29	T-4 (9')	Total/NA	Solid	8015 NM	
880-25053-30	T-4 (10')	Total/NA	Solid	8015 NM	
880-25053-31	T-4 (11')	Total/NA	Solid	8015 NM	
880-25053-32	T-4 (12')	Total/NA	Solid	8015 NM	
880-25053-33	T-5 (6')	Total/NA	Solid	8015 NM	
880-25053-34	T-5 (7')	Total/NA	Solid	8015 NM	
880-25053-35	T-5 (8')	Total/NA	Solid	8015 NM	
880-25053-36	T-5 (9')	Total/NA	Solid	8015 NM	
880-25053-37	T-5 (10')	Total/NA	Solid	8015 NM	
880-25053-38	T-5 (11')	Total/NA	Solid	8015 NM	
880-25053-39	T-6 (5')	Total/NA	Solid	8015 NM	
880-25053-40	T-6 (6')	Total/NA	Solid	8015 NM	
880-25053-41	T-7 (5')	Total/NA	Solid	8015 NM	
880-25053-42	T-7 (6')	Total/NA	Solid	8015 NM	
880-25053-43	T-7 (7')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

GC Semi VOA (Continued)

Analysis Batch: 47323 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25053-44	T-7 (8')	Total/NA	Solid	8015 NM	
880-25053-45	T-7 (9')	Total/NA	Solid	8015 NM	
880-25053-46	T-8 (5')	Total/NA	Solid	8015 NM	
880-25053-47	T-8 (6')	Total/NA	Solid	8015 NM	
880-25053-48	T-8 (7')	Total/NA	Solid	8015 NM	
880-25053-49	T-8 (8')	Total/NA	Solid	8015 NM	
880-25053-50	T-8 (9')	Total/NA	Solid	8015 NM	
880-25053-51	T-9 (6')	Total/NA	Solid	8015 NM	
880-25053-52	T-9 (7')	Total/NA	Solid	8015 NM	
880-25053-53	T-9 (8')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 47155

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25053-1	T-1 (5')	Soluble	Solid	DI Leach	
880-25053-2	T-1 (6')	Soluble	Solid	DI Leach	
880-25053-3	T-1 (7')	Soluble	Solid	DI Leach	
880-25053-4	T-1 (8')	Soluble	Solid	DI Leach	
880-25053-5	T-2 (5')	Soluble	Solid	DI Leach	
880-25053-6	T-2 (6')	Soluble	Solid	DI Leach	
880-25053-7	T-2 (7')	Soluble	Solid	DI Leach	
880-25053-8	T-2 (8')	Soluble	Solid	DI Leach	
880-25053-9	T-2 (9')	Soluble	Solid	DI Leach	
880-25053-10	T-2 (10')	Soluble	Solid	DI Leach	
880-25053-11	T-2 (11')	Soluble	Solid	DI Leach	
880-25053-12	T-2 (12')	Soluble	Solid	DI Leach	
880-25053-13	T-2 (13')	Soluble	Solid	DI Leach	
880-25053-14	T-3 (0-1')	Soluble	Solid	DI Leach	
880-25053-15	T-3 (1.5')	Soluble	Solid	DI Leach	
880-25053-16	T-3 (2')	Soluble	Solid	DI Leach	
880-25053-17	T-3 (3')	Soluble	Solid	DI Leach	
880-25053-18	T-3 (4')	Soluble	Solid	DI Leach	
880-25053-19	T-3 (5')	Soluble	Solid	DI Leach	
880-25053-20	T-3 (6')	Soluble	Solid	DI Leach	
MB 880-47155/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-47155/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-47155/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-25053-1 MS	T-1 (5')	Soluble	Solid	DI Leach	
880-25053-1 MSD	T-1 (5')	Soluble	Solid	DI Leach	
880-25053-11 MS	T-2 (11')	Soluble	Solid	DI Leach	
880-25053-11 MSD	T-2 (11')	Soluble	Solid	DI Leach	

Leach Batch: 47156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25053-21	T-3 (7')	Soluble	Solid	DI Leach	
880-25053-22	T-3 (8')	Soluble	Solid	DI Leach	
880-25053-23	T-3 (9')	Soluble	Solid	DI Leach	
880-25053-24	T-3 (10')	Soluble	Solid	DI Leach	
880-25053-25	T-3 (11')	Soluble	Solid	DI Leach	
880-25053-26	T-4 (6')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

HPLC/IC (Continued)

Leach Batch: 47156 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25053-27	T-4 (7')	Soluble	Solid	DI Leach	
880-25053-28	T-4 (8')	Soluble	Solid	DI Leach	
880-25053-29	T-4 (9')	Soluble	Solid	DI Leach	
880-25053-30	T-4 (10')	Soluble	Solid	DI Leach	
880-25053-31	T-4 (11')	Soluble	Solid	DI Leach	
880-25053-32	T-4 (12')	Soluble	Solid	DI Leach	
880-25053-33	T-5 (6')	Soluble	Solid	DI Leach	
880-25053-34	T-5 (7')	Soluble	Solid	DI Leach	
880-25053-35	T-5 (8')	Soluble	Solid	DI Leach	
880-25053-36	T-5 (9')	Soluble	Solid	DI Leach	
880-25053-37	T-5 (10')	Soluble	Solid	DI Leach	
880-25053-38	T-5 (11')	Soluble	Solid	DI Leach	
880-25053-39	T-6 (5')	Soluble	Solid	DI Leach	
880-25053-40	T-6 (6')	Soluble	Solid	DI Leach	
MB 880-47156/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-47156/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-47156/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-25053-21 MS	T-3 (7')	Soluble	Solid	DI Leach	
880-25053-21 MSD	T-3 (7')	Soluble	Solid	DI Leach	
880-25053-31 MS	T-4 (11')	Soluble	Solid	DI Leach	
880-25053-31 MSD	T-4 (11')	Soluble	Solid	DI Leach	

Leach Batch: 47157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25053-41	T-7 (5')	Soluble	Solid	DI Leach	
880-25053-42	T-7 (6')	Soluble	Solid	DI Leach	
880-25053-43	T-7 (7')	Soluble	Solid	DI Leach	
880-25053-44	T-7 (8')	Soluble	Solid	DI Leach	
880-25053-45	T-7 (9')	Soluble	Solid	DI Leach	
880-25053-46	T-8 (5')	Soluble	Solid	DI Leach	
880-25053-47	T-8 (6')	Soluble	Solid	DI Leach	
880-25053-48	T-8 (7')	Soluble	Solid	DI Leach	
880-25053-49	T-8 (8')	Soluble	Solid	DI Leach	
880-25053-50	T-8 (9')	Soluble	Solid	DI Leach	
880-25053-51	T-9 (6')	Soluble	Solid	DI Leach	
880-25053-52	T-9 (7')	Soluble	Solid	DI Leach	
880-25053-53	T-9 (8')	Soluble	Solid	DI Leach	
MB 880-47157/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-47157/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-47157/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-25053-41 MS	T-7 (5')	Soluble	Solid	DI Leach	
880-25053-41 MSD	T-7 (5')	Soluble	Solid	DI Leach	
880-25053-51 MS	T-9 (6')	Soluble	Solid	DI Leach	
880-25053-51 MSD	T-9 (6')	Soluble	Solid	DI Leach	

Analysis Batch: 47304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25053-21	T-3 (7')	Soluble	Solid	300.0	47156
880-25053-22	T-3 (8')	Soluble	Solid	300.0	47156
880-25053-23	T-3 (9')	Soluble	Solid	300.0	47156
880-25053-24	T-3 (10')	Soluble	Solid	300.0	47156

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

HPLC/IC (Continued)

Analysis Batch: 47304 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25053-25	T-3 (11')	Soluble	Solid	300.0	47156
880-25053-26	T-4 (6')	Soluble	Solid	300.0	47156
880-25053-27	T-4 (7')	Soluble	Solid	300.0	47156
880-25053-28	T-4 (8')	Soluble	Solid	300.0	47156
880-25053-29	T-4 (9')	Soluble	Solid	300.0	47156
880-25053-30	T-4 (10')	Soluble	Solid	300.0	47156
880-25053-31	T-4 (11')	Soluble	Solid	300.0	47156
880-25053-32	T-4 (12')	Soluble	Solid	300.0	47156
880-25053-33	T-5 (6')	Soluble	Solid	300.0	47156
880-25053-34	T-5 (7')	Soluble	Solid	300.0	47156
880-25053-35	T-5 (8')	Soluble	Solid	300.0	47156
880-25053-36	T-5 (9')	Soluble	Solid	300.0	47156
880-25053-37	T-5 (10')	Soluble	Solid	300.0	47156
880-25053-38	T-5 (11')	Soluble	Solid	300.0	47156
880-25053-39	T-6 (5')	Soluble	Solid	300.0	47156
880-25053-40	T-6 (6')	Soluble	Solid	300.0	47156
MB 880-47156/1-A	Method Blank	Soluble	Solid	300.0	47156
LCS 880-47156/2-A	Lab Control Sample	Soluble	Solid	300.0	47156
LCSD 880-47156/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	47156
880-25053-21 MS	T-3 (7')	Soluble	Solid	300.0	47156
880-25053-21 MSD	T-3 (7')	Soluble	Solid	300.0	47156
880-25053-31 MS	T-4 (11')	Soluble	Solid	300.0	47156
880-25053-31 MSD	T-4 (11')	Soluble	Solid	300.0	47156

Analysis Batch: 47305

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25053-1	T-1 (5')	Soluble	Solid	300.0	47155
880-25053-2	T-1 (6')	Soluble	Solid	300.0	47155
880-25053-3	T-1 (7')	Soluble	Solid	300.0	47155
880-25053-4	T-1 (8')	Soluble	Solid	300.0	47155
880-25053-5	T-2 (5')	Soluble	Solid	300.0	47155
880-25053-6	T-2 (6')	Soluble	Solid	300.0	47155
880-25053-7	T-2 (7')	Soluble	Solid	300.0	47155
880-25053-8	T-2 (8')	Soluble	Solid	300.0	47155
880-25053-9	T-2 (9')	Soluble	Solid	300.0	47155
880-25053-10	T-2 (10')	Soluble	Solid	300.0	47155
880-25053-11	T-2 (11')	Soluble	Solid	300.0	47155
880-25053-12	T-2 (12')	Soluble	Solid	300.0	47155
880-25053-13	T-2 (13')	Soluble	Solid	300.0	47155
880-25053-14	T-3 (0-1')	Soluble	Solid	300.0	47155
880-25053-15	T-3 (1.5')	Soluble	Solid	300.0	47155
880-25053-16	T-3 (2')	Soluble	Solid	300.0	47155
880-25053-17	T-3 (3')	Soluble	Solid	300.0	47155
880-25053-18	T-3 (4')	Soluble	Solid	300.0	47155
880-25053-19	T-3 (5')	Soluble	Solid	300.0	47155
880-25053-20	T-3 (6')	Soluble	Solid	300.0	47155
MB 880-47155/1-A	Method Blank	Soluble	Solid	300.0	47155
LCS 880-47155/2-A	Lab Control Sample	Soluble	Solid	300.0	47155
LCSD 880-47155/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	47155
880-25053-1 MS	T-1 (5')	Soluble	Solid	300.0	47155
880-25053-1 MSD	T-1 (5')	Soluble	Solid	300.0	47155

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QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

HPLC/IC (Continued)

Analysis Batch: 47305 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25053-11 MS	T-2 (11')	Soluble	Solid	300.0	47155
880-25053-11 MSD	T-2 (11')	Soluble	Solid	300.0	47155

Analysis Batch: 47378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25053-41	T-7 (5')	Soluble	Solid	300.0	47157
880-25053-42	T-7 (6')	Soluble	Solid	300.0	47157
880-25053-43	T-7 (7')	Soluble	Solid	300.0	47157
880-25053-44	T-7 (8')	Soluble	Solid	300.0	47157
880-25053-45	T-7 (9')	Soluble	Solid	300.0	47157
880-25053-46	T-8 (5')	Soluble	Solid	300.0	47157
880-25053-47	T-8 (6')	Soluble	Solid	300.0	47157
880-25053-48	T-8 (7')	Soluble	Solid	300.0	47157
880-25053-49	T-8 (8')	Soluble	Solid	300.0	47157
880-25053-50	T-8 (9')	Soluble	Solid	300.0	47157
880-25053-51	T-9 (6')	Soluble	Solid	300.0	47157
880-25053-52	T-9 (7')	Soluble	Solid	300.0	47157
880-25053-53	T-9 (8')	Soluble	Solid	300.0	47157
MB 880-47157/1-A	Method Blank	Soluble	Solid	300.0	47157
LCS 880-47157/2-A	Lab Control Sample	Soluble	Solid	300.0	47157
LCSD 880-47157/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	47157
880-25053-41 MS	T-7 (5')	Soluble	Solid	300.0	47157
880-25053-41 MSD	T-7 (5')	Soluble	Solid	300.0	47157
880-25053-51 MS	T-9 (6')	Soluble	Solid	300.0	47157
880-25053-51 MSD	T-9 (6')	Soluble	Solid	300.0	47157

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-1 (5')

Lab Sample ID: 880-25053-1

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

Prep 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	47339	02/27/23 15:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47509	03/01/23 12:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47554	03/01/23 17:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			47323	02/28/23 11:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47231	02/25/23 09:58	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47263	02/27/23 11:05	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	47155	02/24/23 10:37	KS	EET MID
Soluble	Analysis	300.0		5			47305	02/27/23 09:19	CH	EET MID

Client Sample ID: T-1 (6')

Lab Sample ID: 880-25053-2

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

Prep 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	47339	02/27/23 15:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47509	03/01/23 12:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47554	03/01/23 17:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			47323	02/28/23 11:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47231	02/25/23 09:58	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47263	02/27/23 12:11	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	47155	02/24/23 10:37	KS	EET MID
Soluble	Analysis	300.0		5			47305	02/27/23 09:38	CH	EET MID

Client Sample ID: T-1 (7')

Lab Sample ID: 880-25053-3

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

Prep 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	47339	02/27/23 15:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47509	03/01/23 12:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47554	03/01/23 17:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			47323	02/28/23 11:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47231	02/25/23 09:58	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47263	02/27/23 12:34	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	47155	02/24/23 10:37	KS	EET MID
Soluble	Analysis	300.0		1			47305	02/27/23 09:44	CH	EET MID

Client Sample ID: T-1 (8')

Lab Sample ID: 880-25053-4

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

Prep 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	47339	02/27/23 15:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47509	03/01/23 13:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47554	03/01/23 17:33	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-1 (8')

Lab Sample ID: 880-25053-4

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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			47323	02/28/23 11:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47231	02/25/23 09:58	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47263	02/27/23 12:57	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	47155	02/24/23 10:37	KS	EET MID
Soluble	Analysis	300.0		1			47305	02/27/23 09:50	CH	EET MID

Client Sample ID: T-2 (5')

Lab Sample ID: 880-25053-5

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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	47339	02/27/23 15:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47509	03/01/23 13:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47554	03/01/23 17:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			47323	02/28/23 11:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47231	02/25/23 09:58	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47263	02/27/23 13:20	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	47155	02/24/23 10:37	KS	EET MID
Soluble	Analysis	300.0		5			47305	02/27/23 09:56	CH	EET MID

Client Sample ID: T-2 (6')

Lab Sample ID: 880-25053-6

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

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	47339	02/27/23 15:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47509	03/01/23 14:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47554	03/01/23 17:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			47323	02/28/23 11:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47231	02/25/23 09:58	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47263	02/27/23 13:42	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47155	02/24/23 10:37	KS	EET MID
Soluble	Analysis	300.0		5			47305	02/27/23 10:15	CH	EET MID

Client Sample ID: T-2 (7')

Lab Sample ID: 880-25053-7

Date Collected: 02/20/23 00:00

Matrix: Solid

Date Received: 02/22/23 10:42

Prep 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	47339	02/27/23 15:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47509	03/01/23 14:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47554	03/01/23 17:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			47323	02/28/23 11:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47231	02/25/23 09:58	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47263	02/27/23 14:04	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-2 (7')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	47155	02/24/23 10:37	KS	EET MID
Soluble	Analysis	300.0		5			47305	02/27/23 10:21	CH	EET MID

Client Sample ID: T-2 (8')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	47339	02/27/23 15:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47509	03/01/23 15:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47554	03/01/23 17:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			47323	02/28/23 11:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47231	02/25/23 09:58	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47263	02/27/23 14:26	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	47155	02/24/23 10:37	KS	EET MID
Soluble	Analysis	300.0		5			47305	02/27/23 10:27	CH	EET MID

Client Sample ID: T-2 (9')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	47339	02/27/23 15:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47509	03/01/23 15:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47554	03/01/23 17:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			47323	02/28/23 11:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47231	02/25/23 09:58	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47263	02/27/23 14:48	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	47155	02/24/23 10:37	KS	EET MID
Soluble	Analysis	300.0		5			47305	02/27/23 10:33	CH	EET MID

Client Sample ID: T-2 (10')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	47339	02/27/23 15:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47509	03/01/23 15:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47554	03/01/23 17:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			47323	02/28/23 11:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47231	02/25/23 09:58	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47263	02/27/23 15:10	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	47155	02/24/23 10:37	KS	EET MID
Soluble	Analysis	300.0		5			47305	02/27/23 10:40	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-2 (11')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	47339	02/27/23 15:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47509	03/01/23 17:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47554	03/02/23 10:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			47323	02/28/23 11:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47231	02/25/23 09:58	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47263	02/27/23 15:56	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	47155	02/24/23 10:37	KS	EET MID
Soluble	Analysis	300.0		5			47305	02/27/23 10:46	CH	EET MID

Client Sample ID: T-2 (12')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	47339	02/27/23 15:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47509	03/01/23 17:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47554	03/02/23 10:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			47323	02/28/23 11:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47231	02/25/23 09:58	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47263	02/27/23 16:19	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	47155	02/24/23 10:37	KS	EET MID
Soluble	Analysis	300.0		5			47305	02/27/23 11:04	CH	EET MID

Client Sample ID: T-2 (13')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	47339	02/27/23 15:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47509	03/01/23 17:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47554	03/02/23 10:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			47323	02/28/23 11:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47231	02/25/23 09:58	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47263	02/27/23 16:41	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	47155	02/24/23 10:37	KS	EET MID
Soluble	Analysis	300.0		5			47305	02/27/23 11:10	CH	EET MID

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

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	47339	02/27/23 15:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47509	03/01/23 18:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47554	03/02/23 10:16	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

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

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			47323	02/28/23 11:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47231	02/25/23 09:58	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47263	02/27/23 17:03	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	47155	02/24/23 10:37	KS	EET MID
Soluble	Analysis	300.0		10			47305	02/27/23 11:29	CH	EET MID

Client Sample ID: T-3 (1.5')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-15

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	47616	03/02/23 09:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47603	03/02/23 12:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47554	03/02/23 16:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			47323	02/28/23 11:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47231	02/25/23 09:58	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47263	02/27/23 17:24	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47155	02/24/23 10:37	KS	EET MID
Soluble	Analysis	300.0		10			47305	02/27/23 11:35	CH	EET MID

Client Sample ID: T-3 (2')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-16

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	47616	03/02/23 09:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47603	03/02/23 12:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47554	03/02/23 16:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			47323	02/28/23 11:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47231	02/25/23 09:58	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47263	02/27/23 17:47	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	47155	02/24/23 10:37	KS	EET MID
Soluble	Analysis	300.0		1			47305	02/27/23 11:41	CH	EET MID

Client Sample ID: T-3 (3')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	47616	03/02/23 09:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47603	03/02/23 12:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47554	03/02/23 16:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			47323	02/28/23 11:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47231	02/25/23 09:58	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47263	02/27/23 18:09	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-3 (3')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	47155	02/24/23 10:37	KS	EET MID
Soluble	Analysis	300.0		1			47305	02/27/23 11:47	CH	EET MID

Client Sample ID: T-3 (4')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-18

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	47616	03/02/23 09:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47603	03/02/23 13:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47554	03/02/23 16:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			47323	02/28/23 11:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47231	02/25/23 09:58	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47263	02/27/23 18:31	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	47155	02/24/23 10:37	KS	EET MID
Soluble	Analysis	300.0		1			47305	02/27/23 11:53	CH	EET MID

Client Sample ID: T-3 (5')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-19

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	47616	03/02/23 09:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47603	03/02/23 13:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47554	03/02/23 16:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			47323	02/28/23 11:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47231	02/25/23 09:58	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47263	02/27/23 18:53	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	47155	02/24/23 10:37	KS	EET MID
Soluble	Analysis	300.0		5			47305	02/27/23 12:00	CH	EET MID

Client Sample ID: T-3 (6')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	47616	03/02/23 09:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47603	03/02/23 17:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47554	03/03/23 13:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			47323	02/28/23 11:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47231	02/25/23 09:58	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47263	02/27/23 19:15	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	47155	02/24/23 10:37	KS	EET MID
Soluble	Analysis	300.0		5			47305	02/27/23 12:06	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-3 (7')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-21

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	47340	02/27/23 15:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47617	03/02/23 13:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47554	03/03/23 13:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			47323	02/27/23 15:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47232	02/25/23 10:04	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47241	02/26/23 12:03	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	47156	02/24/23 10:39	KS	EET MID
Soluble	Analysis	300.0		5			47304	02/27/23 08:47	CH	EET MID

Client Sample ID: T-3 (8')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-22

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	47340	02/27/23 15:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47617	03/02/23 13:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47554	03/03/23 13:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			47323	02/27/23 15:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47232	02/25/23 10:04	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47241	02/26/23 13:09	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	47156	02/24/23 10:39	KS	EET MID
Soluble	Analysis	300.0		5			47304	02/27/23 09:04	CH	EET MID

Client Sample ID: T-3 (9')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-23

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	47340	02/27/23 15:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47617	03/02/23 14:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47554	03/03/23 13:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			47323	02/27/23 15:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10 g	10 mL	47232	02/25/23 10:04	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47241	02/26/23 13:31	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	47156	02/24/23 10:39	KS	EET MID
Soluble	Analysis	300.0		5			47304	02/27/23 09:10	CH	EET MID

Client Sample ID: T-3 (10')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-24

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	47340	02/27/23 15:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47617	03/02/23 14:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47554	03/03/23 13:44	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-3 (10')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-24

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			47323	02/27/23 15:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47232	02/25/23 10:04	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47241	02/26/23 13:54	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	47156	02/24/23 10:39	KS	EET MID
Soluble	Analysis	300.0		5			47304	02/27/23 09:15	CH	EET MID

Client Sample ID: T-3 (11')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-25

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	47340	02/27/23 15:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47617	03/02/23 15:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47554	03/03/23 13:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			47323	02/27/23 15:36	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	47232	02/25/23 10:04	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47241	02/26/23 14:16	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	47156	02/24/23 10:39	KS	EET MID
Soluble	Analysis	300.0		1			47304	02/27/23 09:21	CH	EET MID

Client Sample ID: T-4 (6')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-26

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	47340	02/27/23 15:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47617	03/02/23 15:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47554	03/03/23 13:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			47323	02/27/23 15:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47232	02/25/23 10:04	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47241	02/26/23 14:38	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47156	02/24/23 10:39	KS	EET MID
Soluble	Analysis	300.0		5			47304	02/27/23 09:38	CH	EET MID

Client Sample ID: T-4 (7')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-27

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	47340	02/27/23 15:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47617	03/02/23 16:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47554	03/03/23 13:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			47323	02/27/23 15:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47232	02/25/23 10:04	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47241	02/26/23 15:00	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-4 (7')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-27

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	47156	02/24/23 10:39	KS	EET MID
Soluble	Analysis	300.0		5			47304	02/27/23 09:44	CH	EET MID

Client Sample ID: T-4 (8')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-28

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	47340	02/27/23 15:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47617	03/02/23 16:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47554	03/03/23 13:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			47323	02/27/23 15:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47232	02/25/23 10:04	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47241	02/26/23 15:23	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	47156	02/24/23 10:39	KS	EET MID
Soluble	Analysis	300.0		5			47304	02/27/23 09:49	CH	EET MID

Client Sample ID: T-4 (9')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-29

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	47340	02/27/23 15:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47617	03/02/23 16:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47554	03/03/23 13:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			47323	02/27/23 15:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47232	02/25/23 10:04	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47241	02/26/23 15:44	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	47156	02/24/23 10:39	KS	EET MID
Soluble	Analysis	300.0		5			47304	02/27/23 09:55	CH	EET MID

Client Sample ID: T-4 (10')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-30

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	47340	02/27/23 15:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47617	03/02/23 17:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47554	03/03/23 13:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			47323	02/27/23 15:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47232	02/25/23 10:04	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47241	02/26/23 16:06	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	47156	02/24/23 10:39	KS	EET MID
Soluble	Analysis	300.0		5			47304	02/27/23 10:01	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-4 (11')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-31

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	47713	03/03/23 09:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/03/23 21:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47554	03/06/23 14:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			47323	02/27/23 15:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47232	02/25/23 10:04	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47241	02/26/23 16:50	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	47156	02/24/23 10:39	KS	EET MID
Soluble	Analysis	300.0		5			47304	02/27/23 10:07	CH	EET MID

Client Sample ID: T-4 (12')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-32

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	47713	03/03/23 09:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/03/23 21:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47554	03/06/23 14:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			47323	02/27/23 15:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47232	02/25/23 10:04	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47241	02/26/23 17:12	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	47156	02/24/23 10:39	KS	EET MID
Soluble	Analysis	300.0		5			47304	02/27/23 10:24	CH	EET MID

Client Sample ID: T-5 (6')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-33

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	47713	03/03/23 09:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/03/23 22:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47554	03/06/23 14:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			47323	02/27/23 15:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	47232	02/25/23 10:04	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47241	02/26/23 17:35	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	47156	02/24/23 10:39	KS	EET MID
Soluble	Analysis	300.0		5			47304	02/27/23 10:29	CH	EET MID

Client Sample ID: T-5 (7')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-34

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	47713	03/03/23 09:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/03/23 22:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47554	03/06/23 14:37	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-5 (7')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-34

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			47323	02/27/23 15:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47232	02/25/23 10:04	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47241	02/26/23 17:56	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	47156	02/24/23 10:39	KS	EET MID
Soluble	Analysis	300.0		5			47304	02/27/23 10:46	CH	EET MID

Client Sample ID: T-5 (8')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-35

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	47713	03/03/23 09:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/03/23 22:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47554	03/06/23 14:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			47323	02/27/23 15:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47232	02/25/23 10:04	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47241	02/26/23 18:18	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47156	02/24/23 10:39	KS	EET MID
Soluble	Analysis	300.0		5			47304	02/27/23 10:52	CH	EET MID

Client Sample ID: T-5 (9')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-36

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	47713	03/03/23 09:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/03/23 23:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47554	03/06/23 14:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			47323	02/27/23 15:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47232	02/25/23 10:04	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47241	02/26/23 18:41	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	47156	02/24/23 10:39	KS	EET MID
Soluble	Analysis	300.0		1			47304	02/27/23 10:58	CH	EET MID

Client Sample ID: T-5 (10')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-37

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	47713	03/03/23 09:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/03/23 23:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47554	03/06/23 14:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			47323	02/27/23 15:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47232	02/25/23 10:04	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47241	02/26/23 19:03	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-5 (10')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-37

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	47156	02/24/23 10:39	KS	EET MID
Soluble	Analysis	300.0		1			47304	02/27/23 11:03	CH	EET MID

Client Sample ID: T-5 (11')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-38

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	47713	03/03/23 09:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/03/23 23:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47554	03/06/23 14:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			47323	02/27/23 15:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47232	02/25/23 10:04	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47241	02/26/23 19:25	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	47156	02/24/23 10:39	KS	EET MID
Soluble	Analysis	300.0		1			47304	02/27/23 11:09	CH	EET MID

Client Sample ID: T-6 (5')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-39

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	47713	03/03/23 09:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/04/23 00:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47554	03/06/23 14:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			47323	02/27/23 15:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47232	02/25/23 10:04	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47241	02/26/23 19:47	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	47156	02/24/23 10:39	KS	EET MID
Soluble	Analysis	300.0		1			47304	02/27/23 11:15	CH	EET MID

Client Sample ID: T-6 (6')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-40

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	47713	03/03/23 09:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/04/23 00:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47554	03/06/23 14:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			47323	02/27/23 15:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47232	02/25/23 10:04	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47241	02/26/23 20:09	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	47156	02/24/23 10:39	KS	EET MID
Soluble	Analysis	300.0		1			47304	02/27/23 11:20	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-7 (5')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-41

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	47407	02/28/23 09:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47466	03/01/23 10:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47554	03/01/23 15:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			47323	02/27/23 12:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47205	02/24/23 15:11	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47221	02/25/23 11:30	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	47157	02/24/23 10:40	KS	EET MID
Soluble	Analysis	300.0		10			47378	02/28/23 00:09	CH	EET MID

Client Sample ID: T-7 (6')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-42

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	47407	02/28/23 09:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47466	03/01/23 11:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47554	03/01/23 15:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			47323	02/27/23 12:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47205	02/24/23 15:11	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47221	02/25/23 12:37	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	47157	02/24/23 10:40	KS	EET MID
Soluble	Analysis	300.0		5			47378	02/28/23 00:23	CH	EET MID

Client Sample ID: T-7 (7')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-43

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	47407	02/28/23 09:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47466	03/01/23 11:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47554	03/01/23 15:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			47323	02/27/23 12:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47205	02/24/23 15:11	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47221	02/25/23 12:59	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47157	02/24/23 10:40	KS	EET MID
Soluble	Analysis	300.0		1			47378	02/28/23 00:28	CH	EET MID

Client Sample ID: T-7 (8')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-44

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	47407	02/28/23 09:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47466	03/01/23 12:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47554	03/07/23 13:34	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-7 (8')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-44

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			47323	02/27/23 12:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47205	02/24/23 15:11	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47221	02/25/23 13:21	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	47157	02/24/23 10:40	KS	EET MID
Soluble	Analysis	300.0		1			47378	02/28/23 00:32	CH	EET MID

Client Sample ID: T-7 (9')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-45

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	47407	02/28/23 09:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47466	03/01/23 12:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47554	03/07/23 13:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			47323	02/27/23 12:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47205	02/24/23 15:11	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47221	02/25/23 13:43	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	47157	02/24/23 10:40	KS	EET MID
Soluble	Analysis	300.0		1			47378	02/28/23 00:37	CH	EET MID

Client Sample ID: T-8 (5')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-46

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	47407	02/28/23 09:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47466	03/01/23 13:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47554	03/07/23 13:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			47323	02/27/23 12:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47205	02/24/23 15:11	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47221	02/25/23 14:05	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	47157	02/24/23 10:40	KS	EET MID
Soluble	Analysis	300.0		20			47378	02/28/23 00:51	CH	EET MID

Client Sample ID: T-8 (6')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-47

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	47407	02/28/23 09:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47466	03/01/23 14:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47554	03/07/23 13:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			47323	02/27/23 12:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47205	02/24/23 15:11	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47221	02/25/23 14:27	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-8 (6')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-47

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	47157	02/24/23 10:40	KS	EET MID
Soluble	Analysis	300.0		10			47378	02/28/23 00:55	CH	EET MID

Client Sample ID: T-8 (7')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-48

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	47407	02/28/23 09:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47466	03/01/23 15:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47554	03/07/23 13:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			47323	02/27/23 12:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47205	02/24/23 15:11	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47221	02/25/23 14:49	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	47157	02/24/23 10:40	KS	EET MID
Soluble	Analysis	300.0		10			47378	02/28/23 01:00	CH	EET MID

Client Sample ID: T-8 (8')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-49

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	47407	02/28/23 10:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47466	03/01/23 16:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47554	03/07/23 13:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			47323	02/27/23 12:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47205	02/24/23 15:11	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47221	02/25/23 15:12	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47157	02/24/23 10:40	KS	EET MID
Soluble	Analysis	300.0		5			47378	02/28/23 01:04	CH	EET MID

Client Sample ID: T-8 (9')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-50

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	47407	02/28/23 10:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47466	03/01/23 16:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47554	03/07/23 13:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			47323	02/27/23 12:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47205	02/24/23 15:11	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47221	02/25/23 15:33	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47157	02/24/23 10:40	KS	EET MID
Soluble	Analysis	300.0		5			47378	02/28/23 01:09	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Client Sample ID: T-9 (6')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-51

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	47407	02/28/23 10:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47466	03/01/23 17:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47554	03/07/23 13:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			47323	02/27/23 12:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	47205	02/24/23 15:11	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47221	02/25/23 16:18	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	47157	02/24/23 10:40	KS	EET MID
Soluble	Analysis	300.0		10			47378	02/28/23 01:14	CH	EET MID

Client Sample ID: T-9 (7')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-52

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	47407	02/28/23 10:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47466	03/01/23 17:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47554	03/07/23 13:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			47323	02/27/23 12:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	47205	02/24/23 15:11	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47221	02/25/23 16:39	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	47157	02/24/23 10:40	KS	EET MID
Soluble	Analysis	300.0		10			47378	02/28/23 01:27	CH	EET MID

Client Sample ID: T-9 (8')

Date Collected: 02/20/23 00:00

Date Received: 02/22/23 10:42

Lab Sample ID: 880-25053-53

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	47407	02/28/23 10:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47466	03/01/23 17:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47554	03/07/23 13:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			47323	02/27/23 12:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47205	02/24/23 15:11	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47221	02/25/23 17:00	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47157	02/24/23 10:40	KS	EET MID
Soluble	Analysis	300.0		20			47378	02/28/23 01:32	CH	EET MID

Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
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)
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-25053-1
SDG: Lea Co. NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources

Job ID: 880-25053-1

Project/Site: Vaca Draw Federal SWD (12.09.22)

SDG: Lea Co. NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-25053-1	T-1 (5')	Solid	02/20/23 00:00	02/22/23 10:42
880-25053-2	T-1 (6')	Solid	02/20/23 00:00	02/22/23 10:42
880-25053-3	T-1 (7')	Solid	02/20/23 00:00	02/22/23 10:42
880-25053-4	T-1 (8')	Solid	02/20/23 00:00	02/22/23 10:42
880-25053-5	T-2 (5')	Solid	02/20/23 00:00	02/22/23 10:42
880-25053-6	T-2 (6')	Solid	02/20/23 00:00	02/22/23 10:42
880-25053-7	T-2 (7')	Solid	02/20/23 00:00	02/22/23 10:42
880-25053-8	T-2 (8')	Solid	02/20/23 00:00	02/22/23 10:42
880-25053-9	T-2 (9')	Solid	02/20/23 00:00	02/22/23 10:42
880-25053-10	T-2 (10')	Solid	02/20/23 00:00	02/22/23 10:42
880-25053-11	T-2 (11')	Solid	02/20/23 00:00	02/22/23 10:42
880-25053-12	T-2 (12')	Solid	02/20/23 00:00	02/22/23 10:42
880-25053-13	T-2 (13')	Solid	02/20/23 00:00	02/22/23 10:42
880-25053-14	T-3 (0-1')	Solid	02/20/23 00:00	02/22/23 10:42
880-25053-15	T-3 (1.5')	Solid	02/20/23 00:00	02/22/23 10:42
880-25053-16	T-3 (2')	Solid	02/20/23 00:00	02/22/23 10:42
880-25053-17	T-3 (3')	Solid	02/20/23 00:00	02/22/23 10:42
880-25053-18	T-3 (4')	Solid	02/20/23 00:00	02/22/23 10:42
880-25053-19	T-3 (5')	Solid	02/20/23 00:00	02/22/23 10:42
880-25053-20	T-3 (6')	Solid	02/20/23 00:00	02/22/23 10:42
880-25053-21	T-3 (7')	Solid	02/20/23 00:00	02/22/23 10:42
880-25053-22	T-3 (8')	Solid	02/20/23 00:00	02/22/23 10:42
880-25053-23	T-3 (9')	Solid	02/20/23 00:00	02/22/23 10:42
880-25053-24	T-3 (10')	Solid	02/20/23 00:00	02/22/23 10:42
880-25053-25	T-3 (11')	Solid	02/20/23 00:00	02/22/23 10:42
880-25053-26	T-4 (6')	Solid	02/20/23 00:00	02/22/23 10:42
880-25053-27	T-4 (7')	Solid	02/20/23 00:00	02/22/23 10:42
880-25053-28	T-4 (8')	Solid	02/20/23 00:00	02/22/23 10:42
880-25053-29	T-4 (9')	Solid	02/20/23 00:00	02/22/23 10:42
880-25053-30	T-4 (10')	Solid	02/20/23 00:00	02/22/23 10:42
880-25053-31	T-4 (11')	Solid	02/20/23 00:00	02/22/23 10:42
880-25053-32	T-4 (12')	Solid	02/20/23 00:00	02/22/23 10:42
880-25053-33	T-5 (6')	Solid	02/20/23 00:00	02/22/23 10:42
880-25053-34	T-5 (7')	Solid	02/20/23 00:00	02/22/23 10:42
880-25053-35	T-5 (8')	Solid	02/20/23 00:00	02/22/23 10:42
880-25053-36	T-5 (9')	Solid	02/20/23 00:00	02/22/23 10:42
880-25053-37	T-5 (10')	Solid	02/20/23 00:00	02/22/23 10:42
880-25053-38	T-5 (11')	Solid	02/20/23 00:00	02/22/23 10:42
880-25053-39	T-6 (5')	Solid	02/20/23 00:00	02/22/23 10:42
880-25053-40	T-6 (6')	Solid	02/20/23 00:00	02/22/23 10:42
880-25053-41	T-7 (5')	Solid	02/20/23 00:00	02/22/23 10:42
880-25053-42	T-7 (6')	Solid	02/20/23 00:00	02/22/23 10:42
880-25053-43	T-7 (7')	Solid	02/20/23 00:00	02/22/23 10:42
880-25053-44	T-7 (8')	Solid	02/20/23 00:00	02/22/23 10:42
880-25053-45	T-7 (9')	Solid	02/20/23 00:00	02/22/23 10:42
880-25053-46	T-8 (5')	Solid	02/20/23 00:00	02/22/23 10:42
880-25053-47	T-8 (6')	Solid	02/20/23 00:00	02/22/23 10:42
880-25053-48	T-8 (7')	Solid	02/20/23 00:00	02/22/23 10:42
880-25053-49	T-8 (8')	Solid	02/20/23 00:00	02/22/23 10:42
880-25053-50	T-8 (9')	Solid	02/20/23 00:00	02/22/23 10:42
880-25053-51	T-9 (6')	Solid	02/20/23 00:00	02/22/23 10:42
880-25053-52	T-9 (7')	Solid	02/20/23 00:00	02/22/23 10:42
880-25053-53	T-9 (8')	Solid	02/20/23 00:00	02/22/23 10:42

Work Order No: 25053

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Project Manager:	Connor Moehring	Bill to: (if different)	Joseph Vargo
Company Name	Carmona Resources	Company Name	NGL Water Solutions Permian
Address	310 W Wall St Ste 415	Address	865 N Albino Street, Suite 400
City, State ZIP	Midland, TX 79701	City, State ZIP	Denver, CO 80220
Phone	(432) 813-6823	Email	Joseph.Vargo@nqlep.com

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

Project Name		Vaca Draw Federal SWD (12 09 22)		Turn Around				ANALYSIS REQUEST										Preservative Codes							
Project Number		1207		☒ Routine ☐ Rush		Pres. Code												None NO DI Water: H ₂ O							
Project Location		Lea Co NM		Due Date														Cool Cool MeOH Me							
Sampler's Name		GPJ																HCL HC HNO ₃ HN							
PO #:																		H ₂ SO ₄ H ₂ NaOH Na							
SAMPLE RECEIPT		Temp Blank		Yes ☒ No ☐		Wet Ice		Yes ☒ No ☐												H ₃ PO ₄ HP					
Received Intact.		Yes ☒ No ☐		Thermometer ID														NaHSO ₄ NABIS							
Cooler Custody Seals.		Yes ☐ No ☒ N/A		Correction Factor:														Na ₂ S ₂ O ₃ NaSO ₃							
Sample Custody Seals		Yes ☐ No ☒ N/A		Temperature Reading														Zn Acetate+NaOH Zn							
Total Containers				Corrected Temperature														NaOH+Ascorbic Acid SAPC							
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont												Sample Comments	
T-1 (5')		2/20/2023				X				G		1												402	
T-1 (6')		2/20/2023				X				G		1													
T-1 (7')		2/20/2023				X				G		1													
T-1 (8')		2/20/2023				X				G		1													
T-2 (5')		2/20/2023				X				G		1													
T-2 (6')		2/20/2023				X				G		1													
T-2 (7')		2/20/2023				X				G		1													
T-2 (8')		2/20/2023				X				G		1													
T-2 (9')		2/20/2023				X				G		1													
T-2 (10')		2/20/2023				X				G		1													



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

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Work Order No: 25053

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Project Manager	Connor Moehring	Bill to (if different)	Joseph Vargo
Company Name	Carmona Resources	Company Name	NGL Water Solutions Permian
Address	310 W Wall St Ste 415	Address	865 N Albino Street Suite 400
City, State ZIP	Midland, TX 79701	City, State ZIP	Denver, CO 80220
Phone	(432) 813-6823	Email	Joseph.Vargo@nglep.com

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

Project Name		Turn Around		ANALYSIS REQUEST																Preservative Codes											
Vaca Draw Federal SWD (12 09 22)		☒ Routine ☐ Rush																		None NO DI Water H ₂ O											
Project Number 1207		Due Date																		Cool Cool MeOH Me											
Project Location Lea Co NM																				HCL HC HNO ₃ HN											
Sampler's Name GPJ																				H ₂ SO ₄ H ₂ NaOH Na											
PO #																				H ₃ PO ₄ HP											
SAMPLE RECEIPT		Temp Blank.		Yes No		Wet Ice		Yes No																							
Received Intact.		Yes No		Thermometer ID																				NaHSO ₄ NABIS							
Cooler Custody Seals.		Yes No N/A		Correction Factor																				Na ₂ S ₂ O ₃ NaSO ₃							
Sample Custody Seals		Yes No N/A		Temperature Reading																				Zn Acetate+NaOH Zn							
Total Containers.				Corrected Temperature																				NaOH+Ascorbic Acid SAPC							
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont																		Sample Comments	
T-2 (11')		2/20/2023				X				G		1		x x x																	
T-2 (12')		2/20/2023				X				G		1		x x x																	
T-2 (13')		2/20/2023				X				G		1		x x x																	
T-3 (0-1')		2/20/2023				X				G		1		x x x																	
T-3 (1-5')		2/20/2023				X				G		1		x x x																	
T-3 (2')		2/20/2023				X				G		1		x x x																	
T-3 (3')		2/20/2023				X				G		1		x x x																	
T-3 (4')		2/20/2023				X				G		1		x x x																	
T-3 (5')		2/20/2023				X				G		1		x x x																	
T-3 (6')		2/20/2023				X				G		1		x x x																	

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

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Project Manager	Connor Moehring	Bill to (if different)	Joseph Vargo
Company Name	Carmona Resources	Company Name	NGL Water Solutions Permian
Address	310 W Wall St Ste 415	Address	865 N Albino Street, Suite 400
City, State ZIP	Midland, TX 79701	City, State ZIP	Denver CO 80220
Phone	(432) 813-6823	Email	Joseph.Vargo@nqlep.com

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

Project Name		Vaca Draw Federal SWD (12 09 22)		Turn Around		Pres. Code		ANALYSIS REQUEST																Preservative Codes							
Project Number		1207		☒ Routine ☐ Rush		Due Date		Parameters																		None NO DI Water H ₂ O					
Project Location		Lea Co NM		Due Date				BTX 8021B																		Cool Cool MeOH Me					
Sampler's Name		GPJ						TPH 8015M (GRO + DRO + MRO)																		HCL HC HNO ₃ HN					
PO #								Chloride 300.0																		H ₂ SO ₄ H ₂ NaOH Na					
SAMPLE RECEIPT		Temp Blank		Yes No		Wet Ice		Yes No																		H ₃ PO ₄ HP					
Received Intact		Yes No		Thermometer ID																						NaHSO ₄ NABIS					
Cooler Custody Seals		Yes No N/A		Correction Factor																						Na ₂ S ₂ O ₃ NaSO ₃					
Sample Custody Seals		Yes No N/A		Temperature Reading																						Zn Acetate+NaOH Zn					
Total Containers				Corrected Temperature																						NaOH+Ascorbic Acid SAPC					
Sample Identification		Date		Time		Soil		Water		Grab/ Comp		# of Cont																		Sample Comments	
T-3 (7')		2/20/2023				X				G		1		x x x																	
T-3 (8')		2/20/2023				X				G		1		x x x																	
T-3 (9')		2/20/2023				X				G		1		x x x																	
T-3 (10')		2/20/2023				X				G		1		x x x																	
T-3 (11')		2/20/2023				X				G		1		x x x																	
T-4 (6')		2/20/2023				X				G		1		x x x																	
T-4 (7')		2/20/2023				X				G		1		x x x																	
T-4 (8')		2/20/2023				X				G		1		x x x																	
T-4 (9')		2/20/2023				X				G		1		x x x																	
T-4 (10')		2/20/2023				X				G		1		x x x																	

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

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Work Order No: 25653

3/7/2023

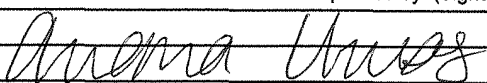
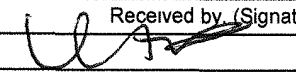
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Project Manager	Connor Moehring	Bill to (if different)	Joseph Vargo
Company Name	Carmona Resources	Company Name	NGL Water Solutions Permian
Address	310 W Wall St Ste 415	Address	865 N Albino Street Suite 400
City, State ZIP	Midland, TX 79701	City, State ZIP	Denver, CO 80220
Phone	(432) 813-6823	Email	Joseph.Vargo@nglcp.com

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

Project Name		Vaca Draw Federal SWD (12 09 22)		Turn Around				ANALYSIS REQUEST																Preservative Codes							
Project Number		1207		☒ Routine ☐ Rush		Pres. Code																		None NO DI Water H ₂ O							
Project Location		Lea Co NM		Due Date																				Cool Cool MeOH Me							
Sampler's Name		GPJ																						HCL HC HNO ₃ HN							
PO #:																								H ₂ SO ₄ H ₂ NaOH Na							
SAMPLE RECEIPT		Temp Blank.		Yes No		Wet Ice		Yes No		Parameters		BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 300.0																H ₃ PO ₄ HP			
Received Intact.		Yes No		Thermometer ID																								NaHSO ₄ NABIS			
Cooler Custody Seals.		Yes No N/A		Correction Factor																								Na ₂ S ₂ O ₃ NaSO ₃			
Sample Custody Seals		Yes No N/A		Temperature Reading																								Zn Acetate+NaOH Zn			
Total Containers				Corrected Temperature																								NaOH+Ascorbic Acid SAPC			
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont																		Sample Comments	
T-4 (11')		2/20/2023				X				G		1		x x x																	
T-4 (12')		2/20/2023				X				G		1		x x x																	
T-5 (6')		2/20/2023				X				G		1		x x x																	
T-5 (7')		2/20/2023				X				G		1		x x x																	
T-5 (8')		2/20/2023				X				G		1		x x x																	
T-5 (9')		2/20/2023				X				G		1		x x x																	
T-5 (10')		2/20/2023				X				G		1		x x x																	
T-5 (11')		2/20/2023				X				G		1		x x x																	
T-6 (5')		2/20/2023				X				G		1		x x x																	
T-6 (6')		2/20/2023				X				G		1		x x x																	

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

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		2-27-23 1042					

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Work Order No: 25053

3/7/2023

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Project Manager: Connor Moehring		Bill to (if different): Joseph Vargo	
Company Name: Carmona Resources		Company Name: NGL Water Solutions Permian	
Address: 310 W Wall St Ste 415		Address: 865 N Albino Street, Suite 400	
City, State ZIP: Midland, TX 79701		City, State ZIP: Denver CO 80220	
Phone: (432) 813-6823	Email: Joseph.Vargo@nqlep.com		

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

Project Name: Vaca Draw Federal SWD (12 09 22)		Turn Around		ANALYSIS REQUEST														Preservative Codes									
Project Number: 1207		☒ Routine ☐ Rush		Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0															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					
Project Location: Lea Co NM		Due Date:																									
Sampler's Name: GPJ																											
PO #:																											
SAMPLE RECEIPT		Temp Blank: Yes No						Yes No		Wet Ice: Yes No																	
Received Intact: Yes No		Thermometer ID:																									
Cooler Custody Seals: Yes No N/A		Correction Factor:																									
Sample Custody Seals: Yes No N/A		Temperature Reading:																									
Total Containers:		Corrected Temperature:																									
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont															Sample Comments					
T-7 (5')		2/20/2023		X		G	1	x	x	x																	
T-7 (6')		2/20/2023		X		G	1	x	x	x																	
T-7 (7')		2/20/2023		X		G	1	x	x	x																	
T-7 (8')		2/20/2023		X		G	1	x	x	x																	
T-7 (9')		2/20/2023		X		G	1	x	x	x																	
T-8 (5')		2/20/2023		X		G	1	x	x	x																	
T-8 (6')		2/20/2023		X		G	1	x	x	x																	
T-8 (7')		2/20/2023		X		G	1	x	x	x																	
T-8 (8')		2/20/2023		X		G	1	x	x	x																	
T-8 (9')		2/20/2023		X		G	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	
		2-22-23 1042					

Project Manager:	Connor Moehring	Bill to (if different)	Joseph Vargo
Company Name	Carmona Resources	Company Name	NGL Water Solutions Permian
Address	310 W Wall St Ste 415	Address	865 N Albino Street, Suite 400
City, State ZIP	Midland, TX 79701	City, State ZIP	Denver CO 80220
Phone	(432) 813-6823	Email	Joseph.Vargo@nglep.com

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

[illegible]

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>Anama Hues</i>	2-22-23 1042	<i>[Signature]</i>	

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-25053-1

SDG Number: Lea Co. NM

Login Number: 25053

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	



Environment Testing

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

ANALYTICAL REPORT

PREPARED FOR

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

Generated 6/15/2023 1:37:01 PM

JOB DESCRIPTION

Vaca Draw Federal SWD (12.09.22)
SDG NUMBER Lea Co. NM

JOB NUMBER

880-29502-1

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
6/15/2023 1:37:01 PM

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

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Laboratory Job ID: 880-29502-1
SDG: Lea Co. NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-29502-1
SDG: Lea Co. NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
S1-	Surrogate recovery exceeds control limits, 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
F1	MS and/or MSD recovery exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-29502-1
SDG: Lea Co. NM

Job ID: 880-29502-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-29502-1

Receipt

The samples were received on 6/14/2023 9:37 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 -8.1°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS-1 (1.5') (880-29502-1), CS-2 (1.5') (880-29502-2), CS-3 (1.5') (880-29502-3), CS-4 (6') (880-29502-4), CS-5 (6') (880-29502-5), CS-6 (6') (880-29502-6), CS-7 (6') (880-29502-7), CS-8 (6') (880-29502-8), CS-9 (6') (880-29502-9), CS-10 (6') (880-29502-10), CS-11 (6') (880-29502-11), CS-12 (6') (880-29502-12), SW-1 (1.5') (880-29502-13), SW-2 (1.5') (880-29502-14), SW-3 (1.5') (880-29502-15), SW-4 (6') (880-29502-16), SW-5 (6') (880-29502-17), SW-6 (6') (880-29502-18), SW-7 (6') (880-29502-19), SW-8 (6') (880-29502-20), SW-9 (6') (880-29502-21), SW-10 (6') (880-29502-22), SW-11 (6') (880-29502-23), SW-12 (6') (880-29502-24), SW-13 (6') (880-29502-25), SW-14 (6') (880-29502-26), SW-15 (4.5') (880-29502-27) and SW-16 (1.5') (880-29502-28).

GC VOA

Method 8021B: An incorrect volume of spiking solution was inadvertently added to the LCS laboratory control sample (LCS) associated with preparation batch 880-55502 and analytical batch 880-55461. Percent recoveries are based on the amount spiked.

Method 8021B: The CCV was biased low for ethylbenzene, o-xylene, and m,p xylenes. Another CCV was analyzed and acceptable within the method determined 12 hour window; therefore, the data was qualified and accepted.(CCV 880-55462/51)

Method 8021B: Surrogate recovery for the following sample was outside control limits: (MB 880-55514/5-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following samples were outside control limits: SW-16 (1.5') (880-29502-28) and (MB 880-55511/5-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 laboratory control sample (LCS) associated with preparation batch 880-55508 and analytical batch 880-55457 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (MB 880-55508/1-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: SW-16 (1.5') (880-29502-28). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-55509 and analytical batch 880-55459 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: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-29502-1
SDG: Lea Co. NM

Client Sample ID: CS-1 (1.5')

Lab Sample ID: 880-29502-1

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U ** *1	0.00200		mg/Kg		06/14/23 10:06	06/14/23 12:31	1
Toluene	<0.00200	U ** *1	0.00200		mg/Kg		06/14/23 10:06	06/14/23 12:31	1
Ethylbenzene	<0.00200	U ** *1	0.00200		mg/Kg		06/14/23 10:06	06/14/23 12:31	1
m-Xylene & p-Xylene	<0.00401	U ** *1	0.00401		mg/Kg		06/14/23 10:06	06/14/23 12:31	1
o-Xylene	<0.00200	U ** *1	0.00200		mg/Kg		06/14/23 10:06	06/14/23 12:31	1
Xylenes, Total	<0.00401	U ** *1	0.00401		mg/Kg		06/14/23 10:06	06/14/23 12:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	06/14/23 10:06	06/14/23 12:31	1
1,4-Difluorobenzene (Surr)	80		70 - 130	06/14/23 10:06	06/14/23 12:31	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			06/14/23 17:08	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			06/15/23 13:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	49.9		mg/Kg		06/14/23 11:41	06/14/23 12:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1	49.9		mg/Kg		06/14/23 11:41	06/14/23 12:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/14/23 11:41	06/14/23 12:18	1
Total TPH	<49.9	U F1	49.9		mg/Kg		06/14/23 11:41	06/14/23 12:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	06/14/23 11:41	06/14/23 12:18	1
o-Terphenyl	130		70 - 130	06/14/23 11:41	06/14/23 12:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.9		5.01		mg/Kg			06/14/23 13:35	1

Client Sample ID: CS-2 (1.5')

Lab Sample ID: 880-29502-2

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U ** *1	0.00199		mg/Kg		06/14/23 10:06	06/14/23 12:51	1
Toluene	<0.00199	U ** *1	0.00199		mg/Kg		06/14/23 10:06	06/14/23 12:51	1
Ethylbenzene	<0.00199	U ** *1	0.00199		mg/Kg		06/14/23 10:06	06/14/23 12:51	1
m-Xylene & p-Xylene	<0.00398	U ** *1	0.00398		mg/Kg		06/14/23 10:06	06/14/23 12:51	1
o-Xylene	<0.00199	U ** *1	0.00199		mg/Kg		06/14/23 10:06	06/14/23 12:51	1
Xylenes, Total	<0.00398	U ** *1	0.00398		mg/Kg		06/14/23 10:06	06/14/23 12:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	06/14/23 10:06	06/14/23 12:51	1
1,4-Difluorobenzene (Surr)	74		70 - 130	06/14/23 10:06	06/14/23 12:51	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-29502-1
SDG: Lea Co. NM

Client Sample ID: CS-2 (1.5')

Lab Sample ID: 880-29502-2

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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			06/14/23 17:08	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			06/15/23 13:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/14/23 11:41	06/14/23 13:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/14/23 11:41	06/14/23 13:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/14/23 11:41	06/14/23 13:23	1
Total TPH	<49.9	U	49.9		mg/Kg		06/14/23 11:41	06/14/23 13:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	06/14/23 11:41	06/14/23 13:23	1
o-Terphenyl	127		70 - 130	06/14/23 11:41	06/14/23 13:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.6		5.02		mg/Kg			06/14/23 13:52	1

Client Sample ID: CS-3 (1.5')

Lab Sample ID: 880-29502-3

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U ** *1	0.00198		mg/Kg		06/14/23 10:06	06/14/23 13:12	1
Toluene	<0.00198	U ** *1	0.00198		mg/Kg		06/14/23 10:06	06/14/23 13:12	1
Ethylbenzene	<0.00198	U ** *1	0.00198		mg/Kg		06/14/23 10:06	06/14/23 13:12	1
m-Xylene & p-Xylene	<0.00396	U ** *1	0.00396		mg/Kg		06/14/23 10:06	06/14/23 13:12	1
o-Xylene	<0.00198	U ** *1	0.00198		mg/Kg		06/14/23 10:06	06/14/23 13:12	1
Xylenes, Total	<0.00396	U ** *1	0.00396		mg/Kg		06/14/23 10:06	06/14/23 13:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	06/14/23 10:06	06/14/23 13:12	1
1,4-Difluorobenzene (Surr)	80		70 - 130	06/14/23 10:06	06/14/23 13:12	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			06/14/23 17:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/15/23 13:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/14/23 11:41	06/14/23 13:45	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-29502-1
SDG: Lea Co. NM

Client Sample ID: CS-3 (1.5')

Lab Sample ID: 880-29502-3

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/14/23 11:41	06/14/23 13:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/14/23 11:41	06/14/23 13:45	1
Total TPH	<50.0	U	50.0		mg/Kg		06/14/23 11:41	06/14/23 13:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				06/14/23 11:41	06/14/23 13:45	1
o-Terphenyl	125		70 - 130				06/14/23 11:41	06/14/23 13:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40.9		4.99		mg/Kg			06/14/23 13:57	1

Client Sample ID: CS-4 (6')

Lab Sample ID: 880-29502-4

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U ** *1	0.00202		mg/Kg		06/14/23 10:06	06/14/23 13:32	1
Toluene	<0.00202	U ** *1	0.00202		mg/Kg		06/14/23 10:06	06/14/23 13:32	1
Ethylbenzene	<0.00202	U ** *1	0.00202		mg/Kg		06/14/23 10:06	06/14/23 13:32	1
m-Xylene & p-Xylene	<0.00403	U ** *1	0.00403		mg/Kg		06/14/23 10:06	06/14/23 13:32	1
o-Xylene	<0.00202	U ** *1	0.00202		mg/Kg		06/14/23 10:06	06/14/23 13:32	1
Xylenes, Total	<0.00403	U ** *1	0.00403		mg/Kg		06/14/23 10:06	06/14/23 13:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				06/14/23 10:06	06/14/23 13:32	1
1,4-Difluorobenzene (Surr)	86		70 - 130				06/14/23 10:06	06/14/23 13:32	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			06/14/23 17:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/15/23 13:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/14/23 11:41	06/14/23 14:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/14/23 11:41	06/14/23 14:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/14/23 11:41	06/14/23 14:07	1
Total TPH	<50.0	U	50.0		mg/Kg		06/14/23 11:41	06/14/23 14:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				06/14/23 11:41	06/14/23 14:07	1
o-Terphenyl	126		70 - 130				06/14/23 11:41	06/14/23 14:07	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-29502-1
SDG: Lea Co. NM

Client Sample ID: CS-4 (6')

Lab Sample ID: 880-29502-4

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5080		49.5		mg/Kg			06/14/23 14:03	10

Client Sample ID: CS-5 (6')

Lab Sample ID: 880-29502-5

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U ** *1	0.00200		mg/Kg		06/14/23 10:06	06/14/23 13:52	1
Toluene	<0.00200	U ** *1	0.00200		mg/Kg		06/14/23 10:06	06/14/23 13:52	1
Ethylbenzene	<0.00200	U ** *1	0.00200		mg/Kg		06/14/23 10:06	06/14/23 13:52	1
m-Xylene & p-Xylene	<0.00401	U ** *1	0.00401		mg/Kg		06/14/23 10:06	06/14/23 13:52	1
o-Xylene	<0.00200	U ** *1	0.00200		mg/Kg		06/14/23 10:06	06/14/23 13:52	1
Xylenes, Total	<0.00401	U ** *1	0.00401		mg/Kg		06/14/23 10:06	06/14/23 13:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				06/14/23 10:06	06/14/23 13:52	1
1,4-Difluorobenzene (Surr)	84		70 - 130				06/14/23 10:06	06/14/23 13:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/14/23 17:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/15/23 13:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/14/23 11:41	06/14/23 14:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/14/23 11:41	06/14/23 14:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/14/23 11:41	06/14/23 14:30	1
Total TPH	<50.0	U	50.0		mg/Kg		06/14/23 11:41	06/14/23 14:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				06/14/23 11:41	06/14/23 14:30	1
o-Terphenyl	131	S1+	70 - 130				06/14/23 11:41	06/14/23 14:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5420		49.8		mg/Kg			06/14/23 14:08	10

Client Sample ID: CS-6 (6')

Lab Sample ID: 880-29502-6

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U ** *1	0.00201		mg/Kg		06/14/23 10:06	06/14/23 14:13	1
Toluene	<0.00201	U ** *1	0.00201		mg/Kg		06/14/23 10:06	06/14/23 14:13	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-29502-1
SDG: Lea Co. NM

Client Sample ID: CS-6 (6')

Lab Sample ID: 880-29502-6

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00201	U ** *1	0.00201		mg/Kg		06/14/23 10:06	06/14/23 14:13	1
m-Xylene & p-Xylene	<0.00402	U ** *1	0.00402		mg/Kg		06/14/23 10:06	06/14/23 14:13	1
o-Xylene	<0.00201	U ** *1	0.00201		mg/Kg		06/14/23 10:06	06/14/23 14:13	1
Xylenes, Total	<0.00402	U ** *1	0.00402		mg/Kg		06/14/23 10:06	06/14/23 14:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				06/14/23 10:06	06/14/23 14:13	1
1,4-Difluorobenzene (Surr)	80		70 - 130				06/14/23 10:06	06/14/23 14:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/14/23 17:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/15/23 13:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/14/23 11:41	06/14/23 14:52	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/14/23 11:41	06/14/23 14:52	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/14/23 11:41	06/14/23 14:52	1
Total TPH	<49.8	U	49.8		mg/Kg		06/14/23 11:41	06/14/23 14:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				06/14/23 11:41	06/14/23 14:52	1
o-Terphenyl	125		70 - 130				06/14/23 11:41	06/14/23 14:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5500		50.2		mg/Kg			06/14/23 14:25	10

Client Sample ID: CS-7 (6')

Lab Sample ID: 880-29502-7

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/14/23 12:54	06/15/23 02:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/14/23 12:54	06/15/23 02:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/14/23 12:54	06/15/23 02:09	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/14/23 12:54	06/15/23 02:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/14/23 12:54	06/15/23 02:09	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/14/23 12:54	06/15/23 02:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130				06/14/23 12:54	06/15/23 02:09	1
1,4-Difluorobenzene (Surr)	107		70 - 130				06/14/23 12:54	06/15/23 02:09	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-29502-1
SDG: Lea Co. NM

Client Sample ID: CS-7 (6')

Lab Sample ID: 880-29502-7

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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			06/15/23 10:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/15/23 13:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/14/23 11:41	06/14/23 15:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/14/23 11:41	06/14/23 15:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/14/23 11:41	06/14/23 15:14	1
Total TPH	<49.9	U	49.9		mg/Kg		06/14/23 11:41	06/14/23 15:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	06/14/23 11:41	06/14/23 15:14	1
o-Terphenyl	131	S1+	70 - 130	06/14/23 11:41	06/14/23 15:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5410		50.5		mg/Kg			06/14/23 14:30	10

Client Sample ID: CS-8 (6')

Lab Sample ID: 880-29502-8

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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		06/14/23 12:54	06/15/23 02:29	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/14/23 12:54	06/15/23 02:29	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/14/23 12:54	06/15/23 02:29	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/14/23 12:54	06/15/23 02:29	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/14/23 12:54	06/15/23 02:29	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/14/23 12:54	06/15/23 02:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	06/14/23 12:54	06/15/23 02:29	1
1,4-Difluorobenzene (Surr)	104		70 - 130	06/14/23 12:54	06/15/23 02:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/15/23 10:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/15/23 13:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/14/23 11:41	06/14/23 15:37	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-29502-1
SDG: Lea Co. NM

Client Sample ID: CS-8 (6')

Lab Sample ID: 880-29502-8

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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		06/14/23 11:41	06/14/23 15:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/14/23 11:41	06/14/23 15:37	1
Total TPH	<49.9	U	49.9		mg/Kg		06/14/23 11:41	06/14/23 15:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	06/14/23 11:41	06/14/23 15:37	1
o-Terphenyl	130		70 - 130	06/14/23 11:41	06/14/23 15:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4990		50.0		mg/Kg			06/14/23 14:36	10

Client Sample ID: CS-9 (6')

Lab Sample ID: 880-29502-9

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U ** *1	0.00198		mg/Kg		06/14/23 10:06	06/14/23 16:39	1
Toluene	<0.00198	U ** *1	0.00198		mg/Kg		06/14/23 10:06	06/14/23 16:39	1
Ethylbenzene	<0.00198	U ** *1	0.00198		mg/Kg		06/14/23 10:06	06/14/23 16:39	1
m-Xylene & p-Xylene	<0.00397	U ** *1	0.00397		mg/Kg		06/14/23 10:06	06/14/23 16:39	1
o-Xylene	<0.00198	U ** *1	0.00198		mg/Kg		06/14/23 10:06	06/14/23 16:39	1
Xylenes, Total	<0.00397	U ** *1	0.00397		mg/Kg		06/14/23 10:06	06/14/23 16:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130	06/14/23 10:06	06/14/23 16:39	1
1,4-Difluorobenzene (Surr)	78		70 - 130	06/14/23 10:06	06/14/23 16:39	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			06/15/23 10:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/15/23 13:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/14/23 11:41	06/14/23 16:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/14/23 11:41	06/14/23 16:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/14/23 11:41	06/14/23 16:00	1
Total TPH	<49.9	U	49.9		mg/Kg		06/14/23 11:41	06/14/23 16:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130	06/14/23 11:41	06/14/23 16:00	1
o-Terphenyl	137	S1+	70 - 130	06/14/23 11:41	06/14/23 16:00	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-29502-1
SDG: Lea Co. NM

Client Sample ID: CS-9 (6')

Lab Sample ID: 880-29502-9

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5100		49.6		mg/Kg			06/14/23 14:42	10

Client Sample ID: CS-10 (6')

Lab Sample ID: 880-29502-10

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U ** *1	0.00200		mg/Kg		06/14/23 10:06	06/14/23 16:59	1
Toluene	<0.00200	U ** *1	0.00200		mg/Kg		06/14/23 10:06	06/14/23 16:59	1
Ethylbenzene	<0.00200	U ** *1	0.00200		mg/Kg		06/14/23 10:06	06/14/23 16:59	1
m-Xylene & p-Xylene	<0.00400	U ** *1	0.00400		mg/Kg		06/14/23 10:06	06/14/23 16:59	1
o-Xylene	<0.00200	U ** *1	0.00200		mg/Kg		06/14/23 10:06	06/14/23 16:59	1
Xylenes, Total	<0.00400	U ** *1	0.00400		mg/Kg		06/14/23 10:06	06/14/23 16:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	06/14/23 10:06	06/14/23 16:59	1
1,4-Difluorobenzene (Surr)	86		70 - 130	06/14/23 10:06	06/14/23 16:59	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			06/15/23 10:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/15/23 13:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/14/23 11:41	06/14/23 16:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/14/23 11:41	06/14/23 16:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/14/23 11:41	06/14/23 16:23	1
Total TPH	<50.0	U	50.0		mg/Kg		06/14/23 11:41	06/14/23 16:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	06/14/23 11:41	06/14/23 16:23	1
o-Terphenyl	129		70 - 130	06/14/23 11:41	06/14/23 16:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5150		49.9		mg/Kg			06/14/23 14:47	10

Client Sample ID: CS-11 (6')

Lab Sample ID: 880-29502-11

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U ** *1	0.00200		mg/Kg		06/14/23 10:06	06/14/23 17:20	1
Toluene	<0.00200	U ** *1	0.00200		mg/Kg		06/14/23 10:06	06/14/23 17:20	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-29502-1
SDG: Lea Co. NM

Client Sample ID: CS-11 (6')

Lab Sample ID: 880-29502-11

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U ** *1	0.00200		mg/Kg		06/14/23 10:06	06/14/23 17:20	1
m-Xylene & p-Xylene	<0.00399	U ** *1	0.00399		mg/Kg		06/14/23 10:06	06/14/23 17:20	1
o-Xylene	<0.00200	U ** *1	0.00200		mg/Kg		06/14/23 10:06	06/14/23 17:20	1
Xylenes, Total	<0.00399	U ** *1	0.00399		mg/Kg		06/14/23 10:06	06/14/23 17:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	74		70 - 130				06/14/23 10:06	06/14/23 17:20	1
1,4-Difluorobenzene (Surr)	99		70 - 130				06/14/23 10:06	06/14/23 17:20	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/15/23 10:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/15/23 13:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/14/23 11:41	06/14/23 17:08	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/14/23 11:41	06/14/23 17:08	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/14/23 11:41	06/14/23 17:08	1
Total TPH	<49.8	U	49.8		mg/Kg		06/14/23 11:41	06/14/23 17:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				06/14/23 11:41	06/14/23 17:08	1
o-Terphenyl	124		70 - 130				06/14/23 11:41	06/14/23 17:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5040		49.8		mg/Kg			06/14/23 14:53	10

Client Sample ID: CS-12 (6')

Lab Sample ID: 880-29502-12

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U ** *1	0.00201		mg/Kg		06/14/23 10:06	06/14/23 17:40	1
Toluene	<0.00201	U ** *1	0.00201		mg/Kg		06/14/23 10:06	06/14/23 17:40	1
Ethylbenzene	<0.00201	U ** *1	0.00201		mg/Kg		06/14/23 10:06	06/14/23 17:40	1
m-Xylene & p-Xylene	<0.00402	U ** *1	0.00402		mg/Kg		06/14/23 10:06	06/14/23 17:40	1
o-Xylene	<0.00201	U ** *1	0.00201		mg/Kg		06/14/23 10:06	06/14/23 17:40	1
Xylenes, Total	<0.00402	U ** *1	0.00402		mg/Kg		06/14/23 10:06	06/14/23 17:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				06/14/23 10:06	06/14/23 17:40	1
1,4-Difluorobenzene (Surr)	85		70 - 130				06/14/23 10:06	06/14/23 17:40	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-29502-1
SDG: Lea Co. NM

Client Sample ID: CS-12 (6')

Lab Sample ID: 880-29502-12

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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			06/15/23 10:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/15/23 13:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/14/23 11:41	06/14/23 17:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/14/23 11:41	06/14/23 17:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/14/23 11:41	06/14/23 17:31	1
Total TPH	<50.0	U	50.0		mg/Kg		06/14/23 11:41	06/14/23 17:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	06/14/23 11:41	06/14/23 17:31	1
o-Terphenyl	129		70 - 130	06/14/23 11:41	06/14/23 17:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5040		50.0		mg/Kg			06/14/23 15:09	10

Client Sample ID: SW-1 (1.5')

Lab Sample ID: 880-29502-13

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U ** *1	0.00202		mg/Kg		06/14/23 10:06	06/14/23 18:01	1
Toluene	<0.00202	U ** *1	0.00202		mg/Kg		06/14/23 10:06	06/14/23 18:01	1
Ethylbenzene	<0.00202	U ** *1	0.00202		mg/Kg		06/14/23 10:06	06/14/23 18:01	1
m-Xylene & p-Xylene	<0.00404	U ** *1	0.00404		mg/Kg		06/14/23 10:06	06/14/23 18:01	1
o-Xylene	<0.00202	U ** *1	0.00202		mg/Kg		06/14/23 10:06	06/14/23 18:01	1
Xylenes, Total	<0.00404	U ** *1	0.00404		mg/Kg		06/14/23 10:06	06/14/23 18:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	06/14/23 10:06	06/14/23 18:01	1
1,4-Difluorobenzene (Surr)	83		70 - 130	06/14/23 10:06	06/14/23 18:01	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			06/15/23 10:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/15/23 13:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/14/23 11:41	06/14/23 17:54	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-29502-1
SDG: Lea Co. NM

Client Sample ID: SW-1 (1.5')

Lab Sample ID: 880-29502-13

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/14/23 11:41	06/14/23 17:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/14/23 11:41	06/14/23 17:54	1
Total TPH	<50.0	U	50.0		mg/Kg		06/14/23 11:41	06/14/23 17:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				06/14/23 11:41	06/14/23 17:54	1
o-Terphenyl	116		70 - 130				06/14/23 11:41	06/14/23 17:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	48.9		4.95		mg/Kg			06/14/23 15:15	1

Client Sample ID: SW-2 (1.5')

Lab Sample ID: 880-29502-14

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U ** *1	0.00200		mg/Kg		06/14/23 10:06	06/14/23 18:22	1
Toluene	<0.00200	U ** *1	0.00200		mg/Kg		06/14/23 10:06	06/14/23 18:22	1
Ethylbenzene	<0.00200	U ** *1	0.00200		mg/Kg		06/14/23 10:06	06/14/23 18:22	1
m-Xylene & p-Xylene	<0.00399	U ** *1	0.00399		mg/Kg		06/14/23 10:06	06/14/23 18:22	1
o-Xylene	<0.00200	U ** *1	0.00200		mg/Kg		06/14/23 10:06	06/14/23 18:22	1
Xylenes, Total	<0.00399	U ** *1	0.00399		mg/Kg		06/14/23 10:06	06/14/23 18:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130				06/14/23 10:06	06/14/23 18:22	1
1,4-Difluorobenzene (Surr)	82		70 - 130				06/14/23 10:06	06/14/23 18:22	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			06/15/23 10:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/15/23 13:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/14/23 11:41	06/14/23 18:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/14/23 11:41	06/14/23 18:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/14/23 11:41	06/14/23 18:17	1
Total TPH	<49.9	U	49.9		mg/Kg		06/14/23 11:41	06/14/23 18:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				06/14/23 11:41	06/14/23 18:17	1
o-Terphenyl	115		70 - 130				06/14/23 11:41	06/14/23 18:17	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-29502-1
SDG: Lea Co. NM

Client Sample ID: SW-2 (1.5')

Lab Sample ID: 880-29502-14

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	36.9		4.98		mg/Kg			06/14/23 15:32	1

Client Sample ID: SW-3 (1.5')

Lab Sample ID: 880-29502-15

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U ** *1	0.00198		mg/Kg		06/14/23 10:06	06/14/23 18:42	1
Toluene	<0.00198	U ** *1	0.00198		mg/Kg		06/14/23 10:06	06/14/23 18:42	1
Ethylbenzene	<0.00198	U ** *1	0.00198		mg/Kg		06/14/23 10:06	06/14/23 18:42	1
m-Xylene & p-Xylene	<0.00396	U ** *1	0.00396		mg/Kg		06/14/23 10:06	06/14/23 18:42	1
o-Xylene	<0.00198	U ** *1	0.00198		mg/Kg		06/14/23 10:06	06/14/23 18:42	1
Xylenes, Total	<0.00396	U ** *1	0.00396		mg/Kg		06/14/23 10:06	06/14/23 18:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	06/14/23 10:06	06/14/23 18:42	1
1,4-Difluorobenzene (Surr)	78		70 - 130	06/14/23 10:06	06/14/23 18:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			06/15/23 10:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/15/23 13:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/14/23 11:41	06/14/23 18:40	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/14/23 11:41	06/14/23 18:40	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/14/23 11:41	06/14/23 18:40	1
Total TPH	<49.8	U	49.8		mg/Kg		06/14/23 11:41	06/14/23 18:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	06/14/23 11:41	06/14/23 18:40	1
o-Terphenyl	119		70 - 130	06/14/23 11:41	06/14/23 18:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.1		5.03		mg/Kg			06/14/23 15:37	1

Client Sample ID: SW-4 (6')

Lab Sample ID: 880-29502-16

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U ** *1	0.00202		mg/Kg		06/14/23 10:06	06/14/23 19:03	1
Toluene	<0.00202	U ** *1	0.00202		mg/Kg		06/14/23 10:06	06/14/23 19:03	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-29502-1
SDG: Lea Co. NM

Client Sample ID: SW-4 (6')

Lab Sample ID: 880-29502-16

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00202	U ** *1	0.00202		mg/Kg		06/14/23 10:06	06/14/23 19:03	1
m-Xylene & p-Xylene	<0.00403	U ** *1	0.00403		mg/Kg		06/14/23 10:06	06/14/23 19:03	1
o-Xylene	<0.00202	U ** *1	0.00202		mg/Kg		06/14/23 10:06	06/14/23 19:03	1
Xylenes, Total	<0.00403	U ** *1	0.00403		mg/Kg		06/14/23 10:06	06/14/23 19:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				06/14/23 10:06	06/14/23 19:03	1
1,4-Difluorobenzene (Surr)	79		70 - 130				06/14/23 10:06	06/14/23 19:03	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			06/15/23 10:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/15/23 13:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/14/23 11:41	06/14/23 19:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/14/23 11:41	06/14/23 19:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/14/23 11:41	06/14/23 19:02	1
Total TPH	<49.9	U	49.9		mg/Kg		06/14/23 11:41	06/14/23 19:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				06/14/23 11:41	06/14/23 19:02	1
o-Terphenyl	118		70 - 130				06/14/23 11:41	06/14/23 19:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42.6		5.04		mg/Kg			06/14/23 15:43	1

Client Sample ID: SW-5 (6')

Lab Sample ID: 880-29502-17

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U ** *1	0.00199		mg/Kg		06/14/23 10:06	06/14/23 19:23	1
Toluene	<0.00199	U ** *1	0.00199		mg/Kg		06/14/23 10:06	06/14/23 19:23	1
Ethylbenzene	<0.00199	U ** *1	0.00199		mg/Kg		06/14/23 10:06	06/14/23 19:23	1
m-Xylene & p-Xylene	<0.00398	U ** *1	0.00398		mg/Kg		06/14/23 10:06	06/14/23 19:23	1
o-Xylene	<0.00199	U ** *1	0.00199		mg/Kg		06/14/23 10:06	06/14/23 19:23	1
Xylenes, Total	<0.00398	U ** *1	0.00398		mg/Kg		06/14/23 10:06	06/14/23 19:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				06/14/23 10:06	06/14/23 19:23	1
1,4-Difluorobenzene (Surr)	83		70 - 130				06/14/23 10:06	06/14/23 19:23	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-29502-1
SDG: Lea Co. NM

Client Sample ID: SW-5 (6')

Lab Sample ID: 880-29502-17

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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			06/15/23 10:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/15/23 13:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/14/23 11:41	06/14/23 19:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/14/23 11:41	06/14/23 19:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/14/23 11:41	06/14/23 19:25	1
Total TPH	<49.9	U	49.9		mg/Kg		06/14/23 11:41	06/14/23 19:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	06/14/23 11:41	06/14/23 19:25	1
o-Terphenyl	116		70 - 130	06/14/23 11:41	06/14/23 19:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	45.1		4.97		mg/Kg			06/14/23 15:48	1

Client Sample ID: SW-6 (6')

Lab Sample ID: 880-29502-18

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U ** *1	0.00198		mg/Kg		06/14/23 10:06	06/14/23 19:44	1
Toluene	<0.00198	U ** *1	0.00198		mg/Kg		06/14/23 10:06	06/14/23 19:44	1
Ethylbenzene	<0.00198	U ** *1	0.00198		mg/Kg		06/14/23 10:06	06/14/23 19:44	1
m-Xylene & p-Xylene	<0.00396	U ** *1	0.00396		mg/Kg		06/14/23 10:06	06/14/23 19:44	1
o-Xylene	<0.00198	U ** *1	0.00198		mg/Kg		06/14/23 10:06	06/14/23 19:44	1
Xylenes, Total	<0.00396	U ** *1	0.00396		mg/Kg		06/14/23 10:06	06/14/23 19:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	06/14/23 10:06	06/14/23 19:44	1
1,4-Difluorobenzene (Surr)	74		70 - 130	06/14/23 10:06	06/14/23 19:44	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			06/15/23 10:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/15/23 13:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/14/23 11:41	06/14/23 19:48	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-29502-1
SDG: Lea Co. NM

Client Sample ID: SW-6 (6')

Lab Sample ID: 880-29502-18

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/14/23 11:41	06/14/23 19:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/14/23 11:41	06/14/23 19:48	1
Total TPH	<50.0	U	50.0		mg/Kg		06/14/23 11:41	06/14/23 19:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				06/14/23 11:41	06/14/23 19:48	1
o-Terphenyl	116		70 - 130				06/14/23 11:41	06/14/23 19:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25.2		5.05		mg/Kg			06/14/23 15:54	1

Client Sample ID: SW-7 (6')

Lab Sample ID: 880-29502-19

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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		06/14/23 12:33	06/14/23 22:48	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/14/23 12:33	06/14/23 22:48	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/14/23 12:33	06/14/23 22:48	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/14/23 12:33	06/14/23 22:48	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/14/23 12:33	06/14/23 22:48	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/14/23 12:33	06/14/23 22:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130				06/14/23 12:33	06/14/23 22:48	1
1,4-Difluorobenzene (Surr)	76		70 - 130				06/14/23 12:33	06/14/23 22:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/15/23 10:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/15/23 13:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/14/23 11:41	06/14/23 20:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/14/23 11:41	06/14/23 20:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/14/23 11:41	06/14/23 20:11	1
Total TPH	<50.0	U	50.0		mg/Kg		06/14/23 11:41	06/14/23 20:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				06/14/23 11:41	06/14/23 20:11	1
o-Terphenyl	119		70 - 130				06/14/23 11:41	06/14/23 20:11	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-29502-1
SDG: Lea Co. NM

Client Sample ID: SW-7 (6')

Lab Sample ID: 880-29502-19

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42.7		5.02		mg/Kg			06/14/23 15:59	1

Client Sample ID: SW-8 (6')

Lab Sample ID: 880-29502-20

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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		06/14/23 12:33	06/14/23 23:09	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/14/23 12:33	06/14/23 23:09	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/14/23 12:33	06/14/23 23:09	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/14/23 12:33	06/14/23 23:09	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/14/23 12:33	06/14/23 23:09	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/14/23 12:33	06/14/23 23:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	06/14/23 12:33	06/14/23 23:09	1
1,4-Difluorobenzene (Surr)	79		70 - 130	06/14/23 12:33	06/14/23 23:09	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			06/15/23 10:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/15/23 13:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/14/23 11:41	06/14/23 20:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/14/23 11:41	06/14/23 20:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/14/23 11:41	06/14/23 20:34	1
Total TPH	<49.9	U	49.9		mg/Kg		06/14/23 11:41	06/14/23 20:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	06/14/23 11:41	06/14/23 20:34	1
o-Terphenyl	120		70 - 130	06/14/23 11:41	06/14/23 20:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.4		4.99		mg/Kg			06/14/23 16:05	1

Client Sample ID: SW-9 (6')

Lab Sample ID: 880-29502-21

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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		06/14/23 12:33	06/14/23 23:29	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/14/23 12:33	06/14/23 23:29	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-29502-1
SDG: Lea Co. NM

Client Sample ID: SW-9 (6')

Lab Sample ID: 880-29502-21

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/14/23 12:33	06/14/23 23:29	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/14/23 12:33	06/14/23 23:29	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/14/23 12:33	06/14/23 23:29	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/14/23 12:33	06/14/23 23:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				06/14/23 12:33	06/14/23 23:29	1
1,4-Difluorobenzene (Surr)	79		70 - 130				06/14/23 12:33	06/14/23 23:29	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			06/15/23 10:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/14/23 16:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	50.0		mg/Kg		06/14/23 11:36	06/14/23 12:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U F1	50.0		mg/Kg		06/14/23 11:36	06/14/23 12:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/14/23 11:36	06/14/23 12:18	1
Total TPH	<50.0	U F1	50.0		mg/Kg		06/14/23 11:36	06/14/23 12:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				06/14/23 11:36	06/14/23 12:18	1
o-Terphenyl	97		70 - 130				06/14/23 11:36	06/14/23 12:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	56.1		4.97		mg/Kg			06/14/23 14:15	1

Client Sample ID: SW-10 (6')

Lab Sample ID: 880-29502-22

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000200	U	0.000200		mg/Kg		06/14/23 12:33	06/14/23 23:50	1
Toluene	<0.000200	U	0.000200		mg/Kg		06/14/23 12:33	06/14/23 23:50	1
Ethylbenzene	<0.000200	U	0.000200		mg/Kg		06/14/23 12:33	06/14/23 23:50	1
m-Xylene & p-Xylene	<0.000399	U	0.000399		mg/Kg		06/14/23 12:33	06/14/23 23:50	1
o-Xylene	<0.000200	U	0.000200		mg/Kg		06/14/23 12:33	06/14/23 23:50	1
Xylenes, Total	<0.000399	U	0.000399		mg/Kg		06/14/23 12:33	06/14/23 23:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				06/14/23 12:33	06/14/23 23:50	1
1,4-Difluorobenzene (Surr)	77		70 - 130				06/14/23 12:33	06/14/23 23:50	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-29502-1
SDG: Lea Co. NM

Client Sample ID: SW-10 (6')

Lab Sample ID: 880-29502-22

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000399	U	0.000399		mg/Kg			06/15/23 10:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/14/23 16:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/14/23 11:36	06/14/23 14:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/14/23 11:36	06/14/23 14:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/14/23 11:36	06/14/23 14:07	1
Total TPH	<49.9	U	49.9		mg/Kg		06/14/23 11:36	06/14/23 14:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130	06/14/23 11:36	06/14/23 14:07	1
o-Terphenyl	106		70 - 130	06/14/23 11:36	06/14/23 14:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.6		4.96		mg/Kg			06/14/23 14:32	1

Client Sample ID: SW-11 (6')

Lab Sample ID: 880-29502-23

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/14/23 12:33	06/15/23 00:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/14/23 12:33	06/15/23 00:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/14/23 12:33	06/15/23 00:10	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/14/23 12:33	06/15/23 00:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/14/23 12:33	06/15/23 00:10	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/14/23 12:33	06/15/23 00:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	06/14/23 12:33	06/15/23 00:10	1
1,4-Difluorobenzene (Surr)	78		70 - 130	06/14/23 12:33	06/15/23 00:10	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			06/15/23 10:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/14/23 16:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/14/23 11:36	06/14/23 14:30	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-29502-1
SDG: Lea Co. NM

Client Sample ID: SW-11 (6')

Lab Sample ID: 880-29502-23

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/14/23 11:36	06/14/23 14:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/14/23 11:36	06/14/23 14:30	1
Total TPH	<50.0	U	50.0		mg/Kg		06/14/23 11:36	06/14/23 14:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130	06/14/23 11:36	06/14/23 14:30	1
o-Terphenyl	105		70 - 130	06/14/23 11:36	06/14/23 14:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	50.3		5.03		mg/Kg			06/14/23 14:37	1

Client Sample ID: SW-12 (6')

Lab Sample ID: 880-29502-24

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/14/23 12:33	06/15/23 00:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/14/23 12:33	06/15/23 00:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/14/23 12:33	06/15/23 00:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/14/23 12:33	06/15/23 00:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/14/23 12:33	06/15/23 00:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/14/23 12:33	06/15/23 00:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	06/14/23 12:33	06/15/23 00:31	1
1,4-Difluorobenzene (Surr)	73		70 - 130	06/14/23 12:33	06/15/23 00:31	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			06/15/23 10:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/14/23 16:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/14/23 11:36	06/14/23 14:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/14/23 11:36	06/14/23 14:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/14/23 11:36	06/14/23 14:52	1
Total TPH	<50.0	U	50.0		mg/Kg		06/14/23 11:36	06/14/23 14:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130	06/14/23 11:36	06/14/23 14:52	1
o-Terphenyl	95		70 - 130	06/14/23 11:36	06/14/23 14:52	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-29502-1
SDG: Lea Co. NM

Client Sample ID: SW-12 (6')

Lab Sample ID: 880-29502-24

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.4		5.02		mg/Kg			06/14/23 14:43	1

Client Sample ID: SW-13 (6')

Lab Sample ID: 880-29502-25

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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		06/14/23 12:33	06/15/23 00:51	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/14/23 12:33	06/15/23 00:51	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/14/23 12:33	06/15/23 00:51	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/14/23 12:33	06/15/23 00:51	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/14/23 12:33	06/15/23 00:51	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/14/23 12:33	06/15/23 00:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	06/14/23 12:33	06/15/23 00:51	1
1,4-Difluorobenzene (Surr)	72		70 - 130	06/14/23 12:33	06/15/23 00:51	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			06/15/23 10:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/14/23 16:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/14/23 11:36	06/14/23 15:14	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/14/23 11:36	06/14/23 15:14	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/14/23 11:36	06/14/23 15:14	1
Total TPH	<49.8	U	49.8		mg/Kg		06/14/23 11:36	06/14/23 15:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	06/14/23 11:36	06/14/23 15:14	1
o-Terphenyl	93		70 - 130	06/14/23 11:36	06/14/23 15:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.6		4.99		mg/Kg			06/14/23 14:48	1

Client Sample ID: SW-14 (6')

Lab Sample ID: 880-29502-26

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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		06/14/23 12:33	06/15/23 01:12	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/14/23 12:33	06/15/23 01:12	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-29502-1
SDG: Lea Co. NM

Client Sample ID: SW-14 (6')

Lab Sample ID: 880-29502-26

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/14/23 12:33	06/15/23 01:12	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/14/23 12:33	06/15/23 01:12	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/14/23 12:33	06/15/23 01:12	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/14/23 12:33	06/15/23 01:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				06/14/23 12:33	06/15/23 01:12	1
1,4-Difluorobenzene (Surr)	75		70 - 130				06/14/23 12:33	06/15/23 01:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/15/23 10:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/14/23 16:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/14/23 11:36	06/14/23 15:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/14/23 11:36	06/14/23 15:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/14/23 11:36	06/14/23 15:37	1
Total TPH	<49.9	U	49.9		mg/Kg		06/14/23 11:36	06/14/23 15:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130				06/14/23 11:36	06/14/23 15:37	1
o-Terphenyl	108		70 - 130				06/14/23 11:36	06/14/23 15:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.8		4.98		mg/Kg			06/14/23 14:54	1

Client Sample ID: SW-15 (4.5')

Lab Sample ID: 880-29502-27

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/14/23 12:33	06/15/23 01:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/14/23 12:33	06/15/23 01:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/14/23 12:33	06/15/23 01:32	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/14/23 12:33	06/15/23 01:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/14/23 12:33	06/15/23 01:32	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/14/23 12:33	06/15/23 01:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				06/14/23 12:33	06/15/23 01:32	1
1,4-Difluorobenzene (Surr)	78		70 - 130				06/14/23 12:33	06/15/23 01:32	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-29502-1
SDG: Lea Co. NM

Client Sample ID: SW-15 (4.5')

Lab Sample ID: 880-29502-27

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/15/23 10:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/14/23 16:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/14/23 11:36	06/14/23 16:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/14/23 11:36	06/14/23 16:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/14/23 11:36	06/14/23 16:00	1
Total TPH	<49.9	U	49.9		mg/Kg		06/14/23 11:36	06/14/23 16:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	06/14/23 11:36	06/14/23 16:00	1
o-Terphenyl	93		70 - 130	06/14/23 11:36	06/14/23 16:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.9		5.00		mg/Kg			06/14/23 15:00	1

Client Sample ID: SW-16 (1.5')

Lab Sample ID: 880-29502-28

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/14/23 12:33	06/15/23 01:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/14/23 12:33	06/15/23 01:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/14/23 12:33	06/15/23 01:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/14/23 12:33	06/15/23 01:53	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/14/23 12:33	06/15/23 01:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/14/23 12:33	06/15/23 01:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	06/14/23 12:33	06/15/23 01:53	1
1,4-Difluorobenzene (Surr)	68	S1-	70 - 130	06/14/23 12:33	06/15/23 01:53	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			06/15/23 10:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	90.3		50.0		mg/Kg			06/15/23 12:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/14/23 11:36	06/14/23 16:23	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-29502-1
SDG: Lea Co. NM

Client Sample ID: SW-16 (1.5')

Lab Sample ID: 880-29502-28

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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)	90.3		50.0		mg/Kg		06/14/23 11:36	06/14/23 16:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/14/23 11:36	06/14/23 16:23	1
Total TPH	90.3		50.0		mg/Kg		06/14/23 11:36	06/14/23 16:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130	06/14/23 11:36	06/14/23 16:23	1
o-Terphenyl	0.2	S1-	70 - 130	06/14/23 11:36	06/14/23 16:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.7		5.00		mg/Kg			06/14/23 15:05	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-29502-1
SDG: Lea Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
880-29502-1	CS-1 (1.5')	96	80
880-29502-2	CS-2 (1.5')	90	74
880-29502-3	CS-3 (1.5')	92	80
880-29502-4	CS-4 (6')	94	86
880-29502-5	CS-5 (6')	90	84
880-29502-6	CS-6 (6')	88	80
880-29502-7	CS-7 (6')	81	107
880-29502-8	CS-8 (6')	84	104
880-29502-9	CS-9 (6')	83	78
880-29502-10	CS-10 (6')	87	86
880-29502-11	CS-11 (6')	74	99
880-29502-12	CS-12 (6')	91	85
880-29502-13	SW-1 (1.5')	90	83
880-29502-14	SW-2 (1.5')	87	82
880-29502-15	SW-3 (1.5')	87	78
880-29502-16	SW-4 (6')	88	79
880-29502-17	SW-5 (6')	90	83
880-29502-18	SW-6 (6')	86	74
880-29502-19	SW-7 (6')	87	76
880-29502-19 MS	SW-7 (6')	107	110
880-29502-19 MSD	SW-7 (6')	109	89
880-29502-20	SW-8 (6')	85	79
880-29502-21	SW-9 (6')	93	79
880-29502-22	SW-10 (6')	89	77
880-29502-23	SW-11 (6')	93	78
880-29502-24	SW-12 (6')	89	73
880-29502-25	SW-13 (6')	89	72
880-29502-26	SW-14 (6')	88	75
880-29502-27	SW-15 (4.5')	88	78
880-29502-28	SW-16 (1.5')	89	68 S1-
880-29503-A-11-A MS	Matrix Spike	102	104
880-29503-A-11-B MSD	Matrix Spike Duplicate	101	108
LCS 880-55502/1-A	Lab Control Sample	109	104
LCS 880-55511/1-A	Lab Control Sample	75	95
LCS 880-55514/1-A	Lab Control Sample	90	108
LCSD 880-55502/2-A	Lab Control Sample Dup	79	109
LCSD 880-55511/2-A	Lab Control Sample Dup	97	108
LCSD 880-55514/2-A	Lab Control Sample Dup	94	93
MB 880-55462/8	Method Blank	89	123
MB 880-55502/5-A	Method Blank	72	95
MB 880-55511/5-A	Method Blank	65 S1-	98
MB 880-55514/5-A	Method Blank	86	131 S1+

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Eurofins Midland

Surrogate Summary

Client: Carmona Resources

Job ID: 880-29502-1

Project/Site: Vaca Draw Federal SWD (12.09.22)

SDG: Lea Co. NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-29502-1	CS-1 (1.5')	113	130
880-29502-1 MS	CS-1 (1.5')	124	122
880-29502-1 MSD	CS-1 (1.5')	123	124
880-29502-2	CS-2 (1.5')	110	127
880-29502-3	CS-3 (1.5')	109	125
880-29502-4	CS-4 (6')	107	126
880-29502-5	CS-5 (6')	108	131 S1+
880-29502-6	CS-6 (6')	105	125
880-29502-7	CS-7 (6')	108	131 S1+
880-29502-8	CS-8 (6')	109	130
880-29502-9	CS-9 (6')	114	137 S1+
880-29502-10	CS-10 (6')	107	129
880-29502-11	CS-11 (6')	103	124
880-29502-12	CS-12 (6')	108	129
880-29502-13	SW-1 (1.5')	100	116
880-29502-14	SW-2 (1.5')	100	115
880-29502-15	SW-3 (1.5')	104	119
880-29502-16	SW-4 (6')	104	118
880-29502-17	SW-5 (6')	101	116
880-29502-18	SW-6 (6')	101	116
880-29502-19	SW-7 (6')	104	119
880-29502-20	SW-8 (6')	105	120
880-29502-21	SW-9 (6')	116	97
880-29502-21 MS	SW-9 (6')	115	83
880-29502-21 MSD	SW-9 (6')	116	86
880-29502-22	SW-10 (6')	126	106
880-29502-23	SW-11 (6')	124	105
880-29502-24	SW-12 (6')	115	95
880-29502-25	SW-13 (6')	113	93
880-29502-26	SW-14 (6')	128	108
880-29502-27	SW-15 (4.5')	109	93
880-29502-28	SW-16 (1.5')	127	0.2 S1-
LCS 880-55508/2-A	Lab Control Sample	123	106
LCS 880-55509/2-A	Lab Control Sample	113	139 S1+
LCSD 880-55508/3-A	Lab Control Sample Dup	104	88
LCSD 880-55509/3-A	Lab Control Sample Dup	111	134 S1+
MB 880-55508/1-A	Method Blank	61 S1-	52 S1-
MB 880-55509/1-A	Method Blank	112	148 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-29502-1
SDG: Lea Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-55462/8

Matrix: Solid

Analysis Batch: 55462

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg			06/14/23 11:56	1
Toluene	<0.00200	U	0.00200		mg/Kg			06/14/23 11:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg			06/14/23 11:56	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg			06/14/23 11:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg			06/14/23 11:56	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg			06/14/23 11:56	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130		06/14/23 11:56	1
1,4-Difluorobenzene (Surr)	123		70 - 130		06/14/23 11:56	1

Lab Sample ID: MB 880-55502/5-A

Matrix: Solid

Analysis Batch: 55461

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 55502

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/14/23 10:06	06/14/23 11:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/14/23 10:06	06/14/23 11:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/14/23 10:06	06/14/23 11:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/14/23 10:06	06/14/23 11:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/14/23 10:06	06/14/23 11:28	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/14/23 10:06	06/14/23 11:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	72		70 - 130	06/14/23 10:06	06/14/23 11:28	1
1,4-Difluorobenzene (Surr)	95		70 - 130	06/14/23 10:06	06/14/23 11:28	1

Lab Sample ID: LCS 880-55502/1-A

Matrix: Solid

Analysis Batch: 55461

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 55502

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1904	*+	mg/Kg		190	70 - 130
Toluene	0.100	0.1676	*+	mg/Kg		168	70 - 130
Ethylbenzene	0.100	0.1709	*+	mg/Kg		171	70 - 130
m-Xylene & p-Xylene	0.200	0.3613	*+	mg/Kg		181	70 - 130
o-Xylene	0.100	0.1793	*+	mg/Kg		179	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: LCSD 880-55502/2-A

Matrix: Solid

Analysis Batch: 55461

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 55502

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1068	*1	mg/Kg		107	70 - 130	56	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-29502-1
SDG: Lea Co. NM

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

Lab Sample ID: LCSD 880-55502/2-A

Matrix: Solid

Analysis Batch: 55461

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 55502

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.08612	*1	mg/Kg		86	70 - 130	64	35
Ethylbenzene	0.100	0.08642	*1	mg/Kg		86	70 - 130	66	35
m-Xylene & p-Xylene	0.200	0.1665	*1	mg/Kg		83	70 - 130	74	35
o-Xylene	0.100	0.07873	*1	mg/Kg		79	70 - 130	78	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	79		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: MB 880-55511/5-A

Matrix: Solid

Analysis Batch: 55461

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 55511

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/14/23 12:33	06/14/23 22:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/14/23 12:33	06/14/23 22:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/14/23 12:33	06/14/23 22:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/14/23 12:33	06/14/23 22:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/14/23 12:33	06/14/23 22:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/14/23 12:33	06/14/23 22:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	65	S1-	70 - 130	06/14/23 12:33	06/14/23 22:27	1
1,4-Difluorobenzene (Surr)	98		70 - 130	06/14/23 12:33	06/14/23 22:27	1

Lab Sample ID: LCS 880-55511/1-A

Matrix: Solid

Analysis Batch: 55461

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 55511

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1036		mg/Kg		104	70 - 130
Toluene	0.100	0.09066		mg/Kg		91	70 - 130
Ethylbenzene	0.100	0.08513		mg/Kg		85	70 - 130
m-Xylene & p-Xylene	0.200	0.1558		mg/Kg		78	70 - 130
o-Xylene	0.100	0.07594		mg/Kg		76	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	75		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: LCSD 880-55511/2-A

Matrix: Solid

Analysis Batch: 55461

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 55511

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09167		mg/Kg		92	70 - 130	12	35
Toluene	0.100	0.08646		mg/Kg		86	70 - 130	5	35
Ethylbenzene	0.100	0.09072		mg/Kg		91	70 - 130	6	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-29502-1
SDG: Lea Co. NM

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

Lab Sample ID: LCSD 880-55511/2-A

Matrix: Solid

Analysis Batch: 55461

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 55511

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	0.200	0.1839		mg/Kg		92	70 - 130	17	35
o-Xylene	0.100	0.08938		mg/Kg		89	70 - 130	16	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	97		70 - 130						
1,4-Difluorobenzene (Surr)	108		70 - 130						

Lab Sample ID: 880-29502-19 MS

Matrix: Solid

Analysis Batch: 55461

Client Sample ID: SW-7 (6')

Prep Type: Total/NA

Prep Batch: 55511

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.101	0.09290		mg/Kg		92	70 - 130		
Toluene	<0.00201	U	0.101	0.08476		mg/Kg		84	70 - 130		
Ethylbenzene	<0.00201	U	0.101	0.08906		mg/Kg		88	70 - 130		
m-Xylene & p-Xylene	<0.00402	U	0.202	0.1774		mg/Kg		88	70 - 130		
o-Xylene	<0.00201	U	0.101	0.08912		mg/Kg		88	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
4-Bromofluorobenzene (Surr)	107		70 - 130								
1,4-Difluorobenzene (Surr)	110		70 - 130								

Lab Sample ID: 880-29502-19 MSD

Matrix: Solid

Analysis Batch: 55461

Client Sample ID: SW-7 (6')

Prep Type: Total/NA

Prep Batch: 55511

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0996	0.07872		mg/Kg		79	70 - 130	17	35
Toluene	<0.00201	U	0.0996	0.07544		mg/Kg		76	70 - 130	12	35
Ethylbenzene	<0.00201	U	0.0996	0.08142		mg/Kg		82	70 - 130	9	35
m-Xylene & p-Xylene	<0.00402	U	0.199	0.1621		mg/Kg		81	70 - 130	9	35
o-Xylene	<0.00201	U	0.0996	0.08154		mg/Kg		82	70 - 130	9	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	109		70 - 130								
1,4-Difluorobenzene (Surr)	89		70 - 130								

Lab Sample ID: MB 880-55514/5-A

Matrix: Solid

Analysis Batch: 55462

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 55514

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/14/23 12:54	06/14/23 23:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/14/23 12:54	06/14/23 23:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/14/23 12:54	06/14/23 23:58	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/14/23 12:54	06/14/23 23:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/14/23 12:54	06/14/23 23:58	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/14/23 12:54	06/14/23 23:58	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-29502-1
SDG: Lea Co. NM

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	06/14/23 12:54	06/14/23 23:58	1
1,4-Difluorobenzene (Surr)	131	S1+	70 - 130	06/14/23 12:54	06/14/23 23:58	1

Lab Sample ID: LCS 880-55514/1-A

Matrix: Solid

Analysis Batch: 55462

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 55514

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1230		mg/Kg		123	70 - 130
Toluene	0.100	0.1162		mg/Kg		116	70 - 130
Ethylbenzene	0.100	0.09289		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	0.200	0.1829		mg/Kg		91	70 - 130
o-Xylene	0.100	0.09067		mg/Kg		91	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: LCSD 880-55514/2-A

Matrix: Solid

Analysis Batch: 55462

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 55514

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1166		mg/Kg		117	70 - 130	5	35
Toluene	0.100	0.1203		mg/Kg		120	70 - 130	3	35
Ethylbenzene	0.100	0.09401		mg/Kg		94	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1849		mg/Kg		92	70 - 130	1	35
o-Xylene	0.100	0.09189		mg/Kg		92	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: 880-29503-A-11-A MS

Matrix: Solid

Analysis Batch: 55462

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 55514

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00198	U	0.100	0.1161		mg/Kg		116	70 - 130
Toluene	<0.00198	U	0.100	0.1107		mg/Kg		110	70 - 130
Ethylbenzene	<0.00198	U	0.100	0.09029		mg/Kg		90	70 - 130
m-Xylene & p-Xylene	<0.00396	U	0.200	0.1760		mg/Kg		88	70 - 130
o-Xylene	<0.00198	U	0.100	0.08764		mg/Kg		87	70 - 130

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

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QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-29502-1
SDG: Lea Co. NM

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

Lab Sample ID: 880-29503-A-11-B MSD

Matrix: Solid

Analysis Batch: 55462

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 55514

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.101	0.1205		mg/Kg		119	70 - 130	4	35
Toluene	<0.00198	U	0.101	0.1121		mg/Kg		111	70 - 130	1	35
Ethylbenzene	<0.00198	U	0.101	0.09255		mg/Kg		92	70 - 130	2	35
m-Xylene & p-Xylene	<0.00396	U	0.202	0.1875		mg/Kg		93	70 - 130	6	35
o-Xylene	<0.00198	U	0.101	0.09445		mg/Kg		94	70 - 130	7	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

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

Lab Sample ID: MB 880-55508/1-A

Matrix: Solid

Analysis Batch: 55457

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 55508

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		06/14/23 11:36	06/14/23 08:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/14/23 11:36	06/14/23 08:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/14/23 11:36	06/14/23 08:05	1
Total TPH	<50.0	U	50.0		mg/Kg		06/14/23 11:36	06/14/23 08:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	61	S1-	70 - 130	06/14/23 11:36	06/14/23 08:05	1
o-Terphenyl	52	S1-	70 - 130	06/14/23 11:36	06/14/23 08:05	1

Lab Sample ID: LCS 880-55508/2-A

Matrix: Solid

Analysis Batch: 55457

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 55508

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	842.2		mg/Kg		84	70 - 130
Diesel Range Organics (Over C10-C28)	1000	942.0		mg/Kg		94	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	123		70 - 130
o-Terphenyl	106		70 - 130

Lab Sample ID: LCSD 880-55508/3-A

Matrix: Solid

Analysis Batch: 55457

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 55508

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	777.4		mg/Kg		78	70 - 130	8	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-29502-1
SDG: Lea Co. NM

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

Lab Sample ID: LCSD 880-55508/3-A

Matrix: Solid

Analysis Batch: 55457

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 55508

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics (Over C10-C28)	1000	851.6		mg/Kg		85	70 - 130	10	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	104		70 - 130						
o-Terphenyl	88		70 - 130						

Lab Sample ID: 880-29502-21 MS

Matrix: Solid

Analysis Batch: 55457

Client Sample ID: SW-9 (6')

Prep Type: Total/NA

Prep Batch: 55508

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	997	1706	F1	mg/Kg		169	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U F1	997	1634	F1	mg/Kg		161	70 - 130		
Surrogate	%Recovery	MS Qualifier	Limits								
1-Chlorooctane	115		70 - 130								
o-Terphenyl	83		70 - 130								

Lab Sample ID: 880-29502-21 MSD

Matrix: Solid

Analysis Batch: 55457

Client Sample ID: SW-9 (6')

Prep Type: Total/NA

Prep Batch: 55508

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	997	1707	F1	mg/Kg		169	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1	997	1690	F1	mg/Kg		167	70 - 130	3	20
Surrogate	%Recovery	MSD Qualifier	Limits								
1-Chlorooctane	116		70 - 130								
o-Terphenyl	86		70 - 130								

Lab Sample ID: MB 880-55509/1-A

Matrix: Solid

Analysis Batch: 55459

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 55509

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		06/14/23 11:41	06/14/23 08:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/14/23 11:41	06/14/23 08:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/14/23 11:41	06/14/23 08:05	1
Total TPH	<50.0	U	50.0		mg/Kg		06/14/23 11:41	06/14/23 08:05	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				06/14/23 11:41	06/14/23 08:05	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-29502-1
SDG: Lea Co. NM

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

Lab Sample ID: MB 880-55509/1-A
Matrix: Solid
Analysis Batch: 55459

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 55509

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac			
<i>o</i> -Terphenyl	148	S1+	70 - 130	06/14/23 11:41	06/14/23 08:05	1				

Lab Sample ID: LCS 880-55509/2-A
Matrix: Solid
Analysis Batch: 55459

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 55509

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	932.6		mg/Kg		93	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1024		mg/Kg		102	70 - 130		
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	113		70 - 130								
<i>o</i> -Terphenyl	139	S1+	70 - 130								

Lab Sample ID: LCSD 880-55509/3-A
Matrix: Solid
Analysis Batch: 55459

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 55509

			Spike	LCSD	LCSD				%Rec		RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	1071		mg/Kg		107	70 - 130	14	20	
Diesel Range Organics (Over C10-C28)			1000	1073		mg/Kg		107	70 - 130	5	20	
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	111		70 - 130									
<i>o</i> -Terphenyl	134	S1+	70 - 130									

Lab Sample ID: 880-29502-1 MS
Matrix: Solid
Analysis Batch: 55459

Client Sample ID: CS-1 (1.5')
Prep Type: Total/NA
Prep Batch: 55509

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	996	1957	F1	mg/Kg		193	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U F1	996	1976	F1	mg/Kg		196	70 - 130		
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	124		70 - 130								
<i>o</i> -Terphenyl	122		70 - 130								

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QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-29502-1
SDG: Lea Co. NM

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

Lab Sample ID: 880-29502-1 MSD

Matrix: Solid

Analysis Batch: 55459

Client Sample ID: CS-1 (1.5')

Prep Type: Total/NA

Prep Batch: 55509

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	996	1733	F1	mg/Kg		171	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	996	1962	F1	mg/Kg		195	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	123		70 - 130								
o-Terphenyl	124		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-55470/1-A

Matrix: Solid

Analysis Batch: 55510

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			06/14/23 12:16	1

Lab Sample ID: LCS 880-55470/2-A

Matrix: Solid

Analysis Batch: 55510

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	250.4		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-55470/3-A

Matrix: Solid

Analysis Batch: 55510

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	250.4		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 890-4814-A-3-B MS

Matrix: Solid

Analysis Batch: 55510

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	71.6		252	302.4		mg/Kg		92	90 - 110

Lab Sample ID: 890-4814-A-3-C MSD

Matrix: Solid

Analysis Batch: 55510

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	71.6		252	302.5		mg/Kg		92	90 - 110	0	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-29502-1
SDG: Lea Co. NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-55504/1-A

Matrix: Solid

Analysis Batch: 55512

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			06/14/23 13:18	1

Lab Sample ID: LCS 880-55504/2-A

Matrix: Solid

Analysis Batch: 55512

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	252.1		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-55504/3-A

Matrix: Solid

Analysis Batch: 55512

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	243.5		mg/Kg		97	90 - 110	3	20

Lab Sample ID: 880-29502-1 MS

Matrix: Solid

Analysis Batch: 55512

Client Sample ID: CS-1 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	37.9		251	290.6		mg/Kg		101	90 - 110

Lab Sample ID: 880-29502-1 MSD

Matrix: Solid

Analysis Batch: 55512

Client Sample ID: CS-1 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	37.9		251	293.9		mg/Kg		102	90 - 110	1	20

Lab Sample ID: 880-29502-11 MS

Matrix: Solid

Analysis Batch: 55512

Client Sample ID: CS-11 (6')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	5040		2490	7691		mg/Kg		106	90 - 110

Lab Sample ID: 880-29502-11 MSD

Matrix: Solid

Analysis Batch: 55512

Client Sample ID: CS-11 (6')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	5040		2490	7687		mg/Kg		106	90 - 110	0	20

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QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-29502-1
SDG: Lea Co. NM

GC VOA

Analysis Batch: 55461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29502-1	CS-1 (1.5')	Total/NA	Solid	8021B	55502
880-29502-2	CS-2 (1.5')	Total/NA	Solid	8021B	55502
880-29502-3	CS-3 (1.5')	Total/NA	Solid	8021B	55502
880-29502-4	CS-4 (6')	Total/NA	Solid	8021B	55502
880-29502-5	CS-5 (6')	Total/NA	Solid	8021B	55502
880-29502-6	CS-6 (6')	Total/NA	Solid	8021B	55502
880-29502-9	CS-9 (6')	Total/NA	Solid	8021B	55502
880-29502-10	CS-10 (6')	Total/NA	Solid	8021B	55502
880-29502-11	CS-11 (6')	Total/NA	Solid	8021B	55502
880-29502-12	CS-12 (6')	Total/NA	Solid	8021B	55502
880-29502-13	SW-1 (1.5')	Total/NA	Solid	8021B	55502
880-29502-14	SW-2 (1.5')	Total/NA	Solid	8021B	55502
880-29502-15	SW-3 (1.5')	Total/NA	Solid	8021B	55502
880-29502-16	SW-4 (6')	Total/NA	Solid	8021B	55502
880-29502-17	SW-5 (6')	Total/NA	Solid	8021B	55502
880-29502-18	SW-6 (6')	Total/NA	Solid	8021B	55502
880-29502-19	SW-7 (6')	Total/NA	Solid	8021B	55511
880-29502-20	SW-8 (6')	Total/NA	Solid	8021B	55511
880-29502-21	SW-9 (6')	Total/NA	Solid	8021B	55511
880-29502-22	SW-10 (6')	Total/NA	Solid	8021B	55511
880-29502-23	SW-11 (6')	Total/NA	Solid	8021B	55511
880-29502-24	SW-12 (6')	Total/NA	Solid	8021B	55511
880-29502-25	SW-13 (6')	Total/NA	Solid	8021B	55511
880-29502-26	SW-14 (6')	Total/NA	Solid	8021B	55511
880-29502-27	SW-15 (4.5')	Total/NA	Solid	8021B	55511
880-29502-28	SW-16 (1.5')	Total/NA	Solid	8021B	55511
MB 880-55502/5-A	Method Blank	Total/NA	Solid	8021B	55502
MB 880-55511/5-A	Method Blank	Total/NA	Solid	8021B	55511
LCS 880-55502/1-A	Lab Control Sample	Total/NA	Solid	8021B	55502
LCS 880-55511/1-A	Lab Control Sample	Total/NA	Solid	8021B	55511
LCSD 880-55502/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	55502
LCSD 880-55511/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	55511
880-29502-19 MS	SW-7 (6')	Total/NA	Solid	8021B	55511
880-29502-19 MSD	SW-7 (6')	Total/NA	Solid	8021B	55511

Analysis Batch: 55462

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29502-7	CS-7 (6')	Total/NA	Solid	8021B	55514
880-29502-8	CS-8 (6')	Total/NA	Solid	8021B	55514
MB 880-55462/8	Method Blank	Total/NA	Solid	8021B	
MB 880-55514/5-A	Method Blank	Total/NA	Solid	8021B	55514
LCS 880-55514/1-A	Lab Control Sample	Total/NA	Solid	8021B	55514
LCSD 880-55514/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	55514
880-29503-A-11-A MS	Matrix Spike	Total/NA	Solid	8021B	55514
880-29503-A-11-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	55514

Prep Batch: 55502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29502-1	CS-1 (1.5')	Total/NA	Solid	5035	
880-29502-2	CS-2 (1.5')	Total/NA	Solid	5035	
880-29502-3	CS-3 (1.5')	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-29502-1
SDG: Lea Co. NM

GC VOA (Continued)

Prep Batch: 55502 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29502-4	CS-4 (6')	Total/NA	Solid	5035	
880-29502-5	CS-5 (6')	Total/NA	Solid	5035	
880-29502-6	CS-6 (6')	Total/NA	Solid	5035	
880-29502-9	CS-9 (6')	Total/NA	Solid	5035	
880-29502-10	CS-10 (6')	Total/NA	Solid	5035	
880-29502-11	CS-11 (6')	Total/NA	Solid	5035	
880-29502-12	CS-12 (6')	Total/NA	Solid	5035	
880-29502-13	SW-1 (1.5')	Total/NA	Solid	5035	
880-29502-14	SW-2 (1.5')	Total/NA	Solid	5035	
880-29502-15	SW-3 (1.5')	Total/NA	Solid	5035	
880-29502-16	SW-4 (6')	Total/NA	Solid	5035	
880-29502-17	SW-5 (6')	Total/NA	Solid	5035	
880-29502-18	SW-6 (6')	Total/NA	Solid	5035	
MB 880-55502/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-55502/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-55502/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 55511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29502-19	SW-7 (6')	Total/NA	Solid	5035	
880-29502-20	SW-8 (6')	Total/NA	Solid	5035	
880-29502-21	SW-9 (6')	Total/NA	Solid	5035	
880-29502-22	SW-10 (6')	Total/NA	Solid	5035	
880-29502-23	SW-11 (6')	Total/NA	Solid	5035	
880-29502-24	SW-12 (6')	Total/NA	Solid	5035	
880-29502-25	SW-13 (6')	Total/NA	Solid	5035	
880-29502-26	SW-14 (6')	Total/NA	Solid	5035	
880-29502-27	SW-15 (4.5')	Total/NA	Solid	5035	
880-29502-28	SW-16 (1.5')	Total/NA	Solid	5035	
MB 880-55511/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-55511/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-55511/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-29502-19 MS	SW-7 (6')	Total/NA	Solid	5035	
880-29502-19 MSD	SW-7 (6')	Total/NA	Solid	5035	

Prep Batch: 55514

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29502-7	CS-7 (6')	Total/NA	Solid	5035	
880-29502-8	CS-8 (6')	Total/NA	Solid	5035	
MB 880-55514/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-55514/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-55514/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-29503-A-11-A MS	Matrix Spike	Total/NA	Solid	5035	
880-29503-A-11-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 55541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29502-1	CS-1 (1.5')	Total/NA	Solid	Total BTEX	
880-29502-2	CS-2 (1.5')	Total/NA	Solid	Total BTEX	
880-29502-3	CS-3 (1.5')	Total/NA	Solid	Total BTEX	
880-29502-4	CS-4 (6')	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-29502-1
 SDG: Lea Co. NM

GC VOA (Continued)

Analysis Batch: 55541 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29502-5	CS-5 (6')	Total/NA	Solid	Total BTEX	
880-29502-6	CS-6 (6')	Total/NA	Solid	Total BTEX	
880-29502-7	CS-7 (6')	Total/NA	Solid	Total BTEX	
880-29502-8	CS-8 (6')	Total/NA	Solid	Total BTEX	
880-29502-9	CS-9 (6')	Total/NA	Solid	Total BTEX	
880-29502-10	CS-10 (6')	Total/NA	Solid	Total BTEX	
880-29502-11	CS-11 (6')	Total/NA	Solid	Total BTEX	
880-29502-12	CS-12 (6')	Total/NA	Solid	Total BTEX	
880-29502-13	SW-1 (1.5')	Total/NA	Solid	Total BTEX	
880-29502-14	SW-2 (1.5')	Total/NA	Solid	Total BTEX	
880-29502-15	SW-3 (1.5')	Total/NA	Solid	Total BTEX	
880-29502-16	SW-4 (6')	Total/NA	Solid	Total BTEX	
880-29502-17	SW-5 (6')	Total/NA	Solid	Total BTEX	
880-29502-18	SW-6 (6')	Total/NA	Solid	Total BTEX	
880-29502-19	SW-7 (6')	Total/NA	Solid	Total BTEX	
880-29502-20	SW-8 (6')	Total/NA	Solid	Total BTEX	
880-29502-21	SW-9 (6')	Total/NA	Solid	Total BTEX	
880-29502-22	SW-10 (6')	Total/NA	Solid	Total BTEX	
880-29502-23	SW-11 (6')	Total/NA	Solid	Total BTEX	
880-29502-24	SW-12 (6')	Total/NA	Solid	Total BTEX	
880-29502-25	SW-13 (6')	Total/NA	Solid	Total BTEX	
880-29502-26	SW-14 (6')	Total/NA	Solid	Total BTEX	
880-29502-27	SW-15 (4.5')	Total/NA	Solid	Total BTEX	
880-29502-28	SW-16 (1.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 55457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29502-21	SW-9 (6')	Total/NA	Solid	8015B NM	55508
880-29502-22	SW-10 (6')	Total/NA	Solid	8015B NM	55508
880-29502-23	SW-11 (6')	Total/NA	Solid	8015B NM	55508
880-29502-24	SW-12 (6')	Total/NA	Solid	8015B NM	55508
880-29502-25	SW-13 (6')	Total/NA	Solid	8015B NM	55508
880-29502-26	SW-14 (6')	Total/NA	Solid	8015B NM	55508
880-29502-27	SW-15 (4.5')	Total/NA	Solid	8015B NM	55508
880-29502-28	SW-16 (1.5')	Total/NA	Solid	8015B NM	55508
MB 880-55508/1-A	Method Blank	Total/NA	Solid	8015B NM	55508
LCS 880-55508/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	55508
LCSD 880-55508/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	55508
880-29502-21 MS	SW-9 (6')	Total/NA	Solid	8015B NM	55508
880-29502-21 MSD	SW-9 (6')	Total/NA	Solid	8015B NM	55508

Analysis Batch: 55459

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29502-1	CS-1 (1.5')	Total/NA	Solid	8015B NM	55509
880-29502-2	CS-2 (1.5')	Total/NA	Solid	8015B NM	55509
880-29502-3	CS-3 (1.5')	Total/NA	Solid	8015B NM	55509
880-29502-4	CS-4 (6')	Total/NA	Solid	8015B NM	55509
880-29502-5	CS-5 (6')	Total/NA	Solid	8015B NM	55509
880-29502-6	CS-6 (6')	Total/NA	Solid	8015B NM	55509

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-29502-1
SDG: Lea Co. NM

GC Semi VOA (Continued)

Analysis Batch: 55459 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29502-7	CS-7 (6')	Total/NA	Solid	8015B NM	55509
880-29502-8	CS-8 (6')	Total/NA	Solid	8015B NM	55509
880-29502-9	CS-9 (6')	Total/NA	Solid	8015B NM	55509
880-29502-10	CS-10 (6')	Total/NA	Solid	8015B NM	55509
880-29502-11	CS-11 (6')	Total/NA	Solid	8015B NM	55509
880-29502-12	CS-12 (6')	Total/NA	Solid	8015B NM	55509
880-29502-13	SW-1 (1.5')	Total/NA	Solid	8015B NM	55509
880-29502-14	SW-2 (1.5')	Total/NA	Solid	8015B NM	55509
880-29502-15	SW-3 (1.5')	Total/NA	Solid	8015B NM	55509
880-29502-16	SW-4 (6')	Total/NA	Solid	8015B NM	55509
880-29502-17	SW-5 (6')	Total/NA	Solid	8015B NM	55509
880-29502-18	SW-6 (6')	Total/NA	Solid	8015B NM	55509
880-29502-19	SW-7 (6')	Total/NA	Solid	8015B NM	55509
880-29502-20	SW-8 (6')	Total/NA	Solid	8015B NM	55509
MB 880-55509/1-A	Method Blank	Total/NA	Solid	8015B NM	55509
LCS 880-55509/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	55509
LCSD 880-55509/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	55509
880-29502-1 MS	CS-1 (1.5')	Total/NA	Solid	8015B NM	55509
880-29502-1 MSD	CS-1 (1.5')	Total/NA	Solid	8015B NM	55509

Prep Batch: 55508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29502-21	SW-9 (6')	Total/NA	Solid	8015NM Prep	
880-29502-22	SW-10 (6')	Total/NA	Solid	8015NM Prep	
880-29502-23	SW-11 (6')	Total/NA	Solid	8015NM Prep	
880-29502-24	SW-12 (6')	Total/NA	Solid	8015NM Prep	
880-29502-25	SW-13 (6')	Total/NA	Solid	8015NM Prep	
880-29502-26	SW-14 (6')	Total/NA	Solid	8015NM Prep	
880-29502-27	SW-15 (4.5')	Total/NA	Solid	8015NM Prep	
880-29502-28	SW-16 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-55508/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-55508/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-55508/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-29502-21 MS	SW-9 (6')	Total/NA	Solid	8015NM Prep	
880-29502-21 MSD	SW-9 (6')	Total/NA	Solid	8015NM Prep	

Prep Batch: 55509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29502-1	CS-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-29502-2	CS-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-29502-3	CS-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-29502-4	CS-4 (6')	Total/NA	Solid	8015NM Prep	
880-29502-5	CS-5 (6')	Total/NA	Solid	8015NM Prep	
880-29502-6	CS-6 (6')	Total/NA	Solid	8015NM Prep	
880-29502-7	CS-7 (6')	Total/NA	Solid	8015NM Prep	
880-29502-8	CS-8 (6')	Total/NA	Solid	8015NM Prep	
880-29502-9	CS-9 (6')	Total/NA	Solid	8015NM Prep	
880-29502-10	CS-10 (6')	Total/NA	Solid	8015NM Prep	
880-29502-11	CS-11 (6')	Total/NA	Solid	8015NM Prep	
880-29502-12	CS-12 (6')	Total/NA	Solid	8015NM Prep	
880-29502-13	SW-1 (1.5')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-29502-1
SDG: Lea Co. NM

GC Semi VOA (Continued)

Prep Batch: 55509 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29502-14	SW-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-29502-15	SW-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-29502-16	SW-4 (6')	Total/NA	Solid	8015NM Prep	
880-29502-17	SW-5 (6')	Total/NA	Solid	8015NM Prep	
880-29502-18	SW-6 (6')	Total/NA	Solid	8015NM Prep	
880-29502-19	SW-7 (6')	Total/NA	Solid	8015NM Prep	
880-29502-20	SW-8 (6')	Total/NA	Solid	8015NM Prep	
MB 880-55509/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-55509/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-55509/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-29502-1 MS	CS-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-29502-1 MSD	CS-1 (1.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 55533

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29502-1	CS-1 (1.5')	Total/NA	Solid	8015 NM	
880-29502-2	CS-2 (1.5')	Total/NA	Solid	8015 NM	
880-29502-3	CS-3 (1.5')	Total/NA	Solid	8015 NM	
880-29502-4	CS-4 (6')	Total/NA	Solid	8015 NM	
880-29502-5	CS-5 (6')	Total/NA	Solid	8015 NM	
880-29502-6	CS-6 (6')	Total/NA	Solid	8015 NM	
880-29502-7	CS-7 (6')	Total/NA	Solid	8015 NM	
880-29502-8	CS-8 (6')	Total/NA	Solid	8015 NM	
880-29502-9	CS-9 (6')	Total/NA	Solid	8015 NM	
880-29502-10	CS-10 (6')	Total/NA	Solid	8015 NM	
880-29502-11	CS-11 (6')	Total/NA	Solid	8015 NM	
880-29502-12	CS-12 (6')	Total/NA	Solid	8015 NM	
880-29502-13	SW-1 (1.5')	Total/NA	Solid	8015 NM	
880-29502-14	SW-2 (1.5')	Total/NA	Solid	8015 NM	
880-29502-15	SW-3 (1.5')	Total/NA	Solid	8015 NM	
880-29502-16	SW-4 (6')	Total/NA	Solid	8015 NM	
880-29502-17	SW-5 (6')	Total/NA	Solid	8015 NM	
880-29502-18	SW-6 (6')	Total/NA	Solid	8015 NM	
880-29502-19	SW-7 (6')	Total/NA	Solid	8015 NM	
880-29502-20	SW-8 (6')	Total/NA	Solid	8015 NM	
880-29502-21	SW-9 (6')	Total/NA	Solid	8015 NM	
880-29502-22	SW-10 (6')	Total/NA	Solid	8015 NM	
880-29502-23	SW-11 (6')	Total/NA	Solid	8015 NM	
880-29502-24	SW-12 (6')	Total/NA	Solid	8015 NM	
880-29502-25	SW-13 (6')	Total/NA	Solid	8015 NM	
880-29502-26	SW-14 (6')	Total/NA	Solid	8015 NM	
880-29502-27	SW-15 (4.5')	Total/NA	Solid	8015 NM	
880-29502-28	SW-16 (1.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 55470

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29502-21	SW-9 (6')	Soluble	Solid	DI Leach	
880-29502-22	SW-10 (6')	Soluble	Solid	DI Leach	
880-29502-23	SW-11 (6')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-29502-1
SDG: Lea Co. NM

HPLC/IC (Continued)

Leach Batch: 55470 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29502-24	SW-12 (6')	Soluble	Solid	DI Leach	
880-29502-25	SW-13 (6')	Soluble	Solid	DI Leach	
880-29502-26	SW-14 (6')	Soluble	Solid	DI Leach	
880-29502-27	SW-15 (4.5')	Soluble	Solid	DI Leach	
880-29502-28	SW-16 (1.5')	Soluble	Solid	DI Leach	
MB 880-55470/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-55470/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-55470/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-4814-A-3-B MS	Matrix Spike	Soluble	Solid	DI Leach	
890-4814-A-3-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 55504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29502-1	CS-1 (1.5')	Soluble	Solid	DI Leach	
880-29502-2	CS-2 (1.5')	Soluble	Solid	DI Leach	
880-29502-3	CS-3 (1.5')	Soluble	Solid	DI Leach	
880-29502-4	CS-4 (6')	Soluble	Solid	DI Leach	
880-29502-5	CS-5 (6')	Soluble	Solid	DI Leach	
880-29502-6	CS-6 (6')	Soluble	Solid	DI Leach	
880-29502-7	CS-7 (6')	Soluble	Solid	DI Leach	
880-29502-8	CS-8 (6')	Soluble	Solid	DI Leach	
880-29502-9	CS-9 (6')	Soluble	Solid	DI Leach	
880-29502-10	CS-10 (6')	Soluble	Solid	DI Leach	
880-29502-11	CS-11 (6')	Soluble	Solid	DI Leach	
880-29502-12	CS-12 (6')	Soluble	Solid	DI Leach	
880-29502-13	SW-1 (1.5')	Soluble	Solid	DI Leach	
880-29502-14	SW-2 (1.5')	Soluble	Solid	DI Leach	
880-29502-15	SW-3 (1.5')	Soluble	Solid	DI Leach	
880-29502-16	SW-4 (6')	Soluble	Solid	DI Leach	
880-29502-17	SW-5 (6')	Soluble	Solid	DI Leach	
880-29502-18	SW-6 (6')	Soluble	Solid	DI Leach	
880-29502-19	SW-7 (6')	Soluble	Solid	DI Leach	
880-29502-20	SW-8 (6')	Soluble	Solid	DI Leach	
MB 880-55504/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-55504/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-55504/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-29502-1 MS	CS-1 (1.5')	Soluble	Solid	DI Leach	
880-29502-1 MSD	CS-1 (1.5')	Soluble	Solid	DI Leach	
880-29502-11 MS	CS-11 (6')	Soluble	Solid	DI Leach	
880-29502-11 MSD	CS-11 (6')	Soluble	Solid	DI Leach	

Analysis Batch: 55510

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29502-21	SW-9 (6')	Soluble	Solid	300.0	55470
880-29502-22	SW-10 (6')	Soluble	Solid	300.0	55470
880-29502-23	SW-11 (6')	Soluble	Solid	300.0	55470
880-29502-24	SW-12 (6')	Soluble	Solid	300.0	55470
880-29502-25	SW-13 (6')	Soluble	Solid	300.0	55470
880-29502-26	SW-14 (6')	Soluble	Solid	300.0	55470
880-29502-27	SW-15 (4.5')	Soluble	Solid	300.0	55470
880-29502-28	SW-16 (1.5')	Soluble	Solid	300.0	55470

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-29502-1
SDG: Lea Co. NM

HPLC/IC (Continued)

Analysis Batch: 55510 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-55470/1-A	Method Blank	Soluble	Solid	300.0	55470
LCS 880-55470/2-A	Lab Control Sample	Soluble	Solid	300.0	55470
LCSD 880-55470/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	55470
890-4814-A-3-B MS	Matrix Spike	Soluble	Solid	300.0	55470
890-4814-A-3-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	55470

Analysis Batch: 55512

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29502-1	CS-1 (1.5')	Soluble	Solid	300.0	55504
880-29502-2	CS-2 (1.5')	Soluble	Solid	300.0	55504
880-29502-3	CS-3 (1.5')	Soluble	Solid	300.0	55504
880-29502-4	CS-4 (6')	Soluble	Solid	300.0	55504
880-29502-5	CS-5 (6')	Soluble	Solid	300.0	55504
880-29502-6	CS-6 (6')	Soluble	Solid	300.0	55504
880-29502-7	CS-7 (6')	Soluble	Solid	300.0	55504
880-29502-8	CS-8 (6')	Soluble	Solid	300.0	55504
880-29502-9	CS-9 (6')	Soluble	Solid	300.0	55504
880-29502-10	CS-10 (6')	Soluble	Solid	300.0	55504
880-29502-11	CS-11 (6')	Soluble	Solid	300.0	55504
880-29502-12	CS-12 (6')	Soluble	Solid	300.0	55504
880-29502-13	SW-1 (1.5')	Soluble	Solid	300.0	55504
880-29502-14	SW-2 (1.5')	Soluble	Solid	300.0	55504
880-29502-15	SW-3 (1.5')	Soluble	Solid	300.0	55504
880-29502-16	SW-4 (6')	Soluble	Solid	300.0	55504
880-29502-17	SW-5 (6')	Soluble	Solid	300.0	55504
880-29502-18	SW-6 (6')	Soluble	Solid	300.0	55504
880-29502-19	SW-7 (6')	Soluble	Solid	300.0	55504
880-29502-20	SW-8 (6')	Soluble	Solid	300.0	55504
MB 880-55504/1-A	Method Blank	Soluble	Solid	300.0	55504
LCS 880-55504/2-A	Lab Control Sample	Soluble	Solid	300.0	55504
LCSD 880-55504/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	55504
880-29502-1 MS	CS-1 (1.5')	Soluble	Solid	300.0	55504
880-29502-1 MSD	CS-1 (1.5')	Soluble	Solid	300.0	55504
880-29502-11 MS	CS-11 (6')	Soluble	Solid	300.0	55504
880-29502-11 MSD	CS-11 (6')	Soluble	Solid	300.0	55504

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-29502-1
SDG: Lea Co. NM

Client Sample ID: CS-1 (1.5')

Lab Sample ID: 880-29502-1

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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	55502	06/14/23 10:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55461	06/14/23 12:31	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55541	06/14/23 17:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55533	06/15/23 13:23	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	55509	06/14/23 11:41	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55459	06/14/23 12:18	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	55504	06/14/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	55512	06/14/23 13:35	CH	EET MID

Client Sample ID: CS-2 (1.5')

Lab Sample ID: 880-29502-2

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

Prep 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	55502	06/14/23 10:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55461	06/14/23 12:51	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55541	06/14/23 17:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55533	06/15/23 13:23	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	55509	06/14/23 11:41	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55459	06/14/23 13:23	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	55504	06/14/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	55512	06/14/23 13:52	CH	EET MID

Client Sample ID: CS-3 (1.5')

Lab Sample ID: 880-29502-3

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

Prep 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	55502	06/14/23 10:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55461	06/14/23 13:12	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55541	06/14/23 17:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55533	06/15/23 13:23	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	55509	06/14/23 11:41	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55459	06/14/23 13:45	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	55504	06/14/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	55512	06/14/23 13:57	CH	EET MID

Client Sample ID: CS-4 (6')

Lab Sample ID: 880-29502-4

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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	55502	06/14/23 10:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55461	06/14/23 13:32	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55541	06/14/23 17:08	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-29502-1
SDG: Lea Co. NM

Client Sample ID: CS-4 (6')

Lab Sample ID: 880-29502-4

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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			55533	06/15/23 13:23	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	55509	06/14/23 11:41	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55459	06/14/23 14:07	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	55504	06/14/23 10:17	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	55512	06/14/23 14:03	CH	EET MID

Client Sample ID: CS-5 (6')

Lab Sample ID: 880-29502-5

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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	55502	06/14/23 10:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55461	06/14/23 13:52	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55541	06/14/23 17:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55533	06/15/23 13:23	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	55509	06/14/23 11:41	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55459	06/14/23 14:30	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	55504	06/14/23 10:17	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	55512	06/14/23 14:08	CH	EET MID

Client Sample ID: CS-6 (6')

Lab Sample ID: 880-29502-6

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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	55502	06/14/23 10:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55461	06/14/23 14:13	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55541	06/14/23 17:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55533	06/15/23 13:23	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	55509	06/14/23 11:41	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55459	06/14/23 14:52	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	55504	06/14/23 10:17	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	55512	06/14/23 14:25	CH	EET MID

Client Sample ID: CS-7 (6')

Lab Sample ID: 880-29502-7

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

Prep 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	55514	06/14/23 12:54	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55462	06/15/23 02:09	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55541	06/15/23 10:36	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55533	06/15/23 13:23	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	55509	06/14/23 11:41	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55459	06/14/23 15:14	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-29502-1
SDG: Lea Co. NM

Client Sample ID: CS-7 (6')

Lab Sample ID: 880-29502-7

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	55504	06/14/23 10:17	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	55512	06/14/23 14:30	CH	EET MID

Client Sample ID: CS-8 (6')

Lab Sample ID: 880-29502-8

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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	55514	06/14/23 12:54	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55462	06/15/23 02:29	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55541	06/15/23 10:36	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55533	06/15/23 13:23	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	55509	06/14/23 11:41	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55459	06/14/23 15:37	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	55504	06/14/23 10:17	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	55512	06/14/23 14:36	CH	EET MID

Client Sample ID: CS-9 (6')

Lab Sample ID: 880-29502-9

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

Prep 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	55502	06/14/23 10:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55461	06/14/23 16:39	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55541	06/15/23 10:39	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55533	06/15/23 13:23	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	55509	06/14/23 11:41	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55459	06/14/23 16:00	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	55504	06/14/23 10:17	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	55512	06/14/23 14:42	CH	EET MID

Client Sample ID: CS-10 (6')

Lab Sample ID: 880-29502-10

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

Prep 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	55502	06/14/23 10:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55461	06/14/23 16:59	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55541	06/15/23 10:39	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55533	06/15/23 13:23	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	55509	06/14/23 11:41	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55459	06/14/23 16:23	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	55504	06/14/23 10:17	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	55512	06/14/23 14:47	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-29502-1
SDG: Lea Co. NM

Client Sample ID: CS-11 (6')

Lab Sample ID: 880-29502-11

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

Prep 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	55502	06/14/23 10:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55461	06/14/23 17:20	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55541	06/15/23 10:39	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55533	06/15/23 13:23	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	55509	06/14/23 11:41	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55459	06/14/23 17:08	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	55504	06/14/23 10:17	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	55512	06/14/23 14:53	CH	EET MID

Client Sample ID: CS-12 (6')

Lab Sample ID: 880-29502-12

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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	55502	06/14/23 10:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55461	06/14/23 17:40	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55541	06/15/23 10:39	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55533	06/15/23 13:23	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	55509	06/14/23 11:41	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55459	06/14/23 17:31	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	55504	06/14/23 10:17	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	55512	06/14/23 15:09	CH	EET MID

Client Sample ID: SW-1 (1.5')

Lab Sample ID: 880-29502-13

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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	55502	06/14/23 10:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55461	06/14/23 18:01	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55541	06/15/23 10:39	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55533	06/15/23 13:23	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	55509	06/14/23 11:41	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55459	06/14/23 17:54	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	55504	06/14/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	55512	06/14/23 15:15	CH	EET MID

Client Sample ID: SW-2 (1.5')

Lab Sample ID: 880-29502-14

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

Prep 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	55502	06/14/23 10:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55461	06/14/23 18:22	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55541	06/15/23 10:39	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-29502-1
SDG: Lea Co. NM

Client Sample ID: SW-2 (1.5')

Date Collected: 06/13/23 00:00

Date Received: 06/14/23 09:37

Lab Sample ID: 880-29502-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			55533	06/15/23 13:23	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	55509	06/14/23 11:41	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55459	06/14/23 18:17	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	55504	06/14/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	55512	06/14/23 15:32	CH	EET MID

Client Sample ID: SW-3 (1.5')

Date Collected: 06/13/23 00:00

Date Received: 06/14/23 09:37

Lab Sample ID: 880-29502-15

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	55502	06/14/23 10:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55461	06/14/23 18:42	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55541	06/15/23 10:39	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55533	06/15/23 13:23	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	55509	06/14/23 11:41	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55459	06/14/23 18:40	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	55504	06/14/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	55512	06/14/23 15:37	CH	EET MID

Client Sample ID: SW-4 (6')

Date Collected: 06/13/23 00:00

Date Received: 06/14/23 09:37

Lab Sample ID: 880-29502-16

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	55502	06/14/23 10:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55461	06/14/23 19:03	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55541	06/15/23 10:39	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55533	06/15/23 13:23	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	55509	06/14/23 11:41	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55459	06/14/23 19:02	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	55504	06/14/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	55512	06/14/23 15:43	CH	EET MID

Client Sample ID: SW-5 (6')

Date Collected: 06/13/23 00:00

Date Received: 06/14/23 09:37

Lab Sample ID: 880-29502-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	55502	06/14/23 10:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55461	06/14/23 19:23	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55541	06/15/23 10:39	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55533	06/15/23 13:23	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	55509	06/14/23 11:41	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55459	06/14/23 19:25	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-29502-1
SDG: Lea Co. NM

Client Sample ID: SW-5 (6')

Date Collected: 06/13/23 00:00

Date Received: 06/14/23 09:37

Lab Sample ID: 880-29502-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	55504	06/14/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	55512	06/14/23 15:48	CH	EET MID

Client Sample ID: SW-6 (6')

Date Collected: 06/13/23 00:00

Date Received: 06/14/23 09:37

Lab Sample ID: 880-29502-18

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	55502	06/14/23 10:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55461	06/14/23 19:44	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55541	06/15/23 10:39	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55533	06/15/23 13:23	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	55509	06/14/23 11:41	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55459	06/14/23 19:48	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	55504	06/14/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	55512	06/14/23 15:54	CH	EET MID

Client Sample ID: SW-7 (6')

Date Collected: 06/13/23 00:00

Date Received: 06/14/23 09:37

Lab Sample ID: 880-29502-19

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	55511	06/14/23 12:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55461	06/14/23 22:48	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55541	06/15/23 10:39	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55533	06/15/23 13:23	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	55509	06/14/23 11:41	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55459	06/14/23 20:11	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	55504	06/14/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	55512	06/14/23 15:59	CH	EET MID

Client Sample ID: SW-8 (6')

Date Collected: 06/13/23 00:00

Date Received: 06/14/23 09:37

Lab Sample ID: 880-29502-20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	55511	06/14/23 12:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55461	06/14/23 23:09	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55541	06/15/23 10:39	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55533	06/15/23 13:23	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	55509	06/14/23 11:41	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55459	06/14/23 20:34	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	55504	06/14/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	55512	06/14/23 16:05	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-29502-1
SDG: Lea Co. NM

Client Sample ID: SW-9 (6')

Lab Sample ID: 880-29502-21

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

Prep 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	55511	06/14/23 12:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55461	06/14/23 23:29	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55541	06/15/23 10:39	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55533	06/14/23 16:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	55508	06/14/23 11:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55457	06/14/23 12:18	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	55470	06/14/23 11:00	KS	EET MID
Soluble	Analysis	300.0		1			55510	06/14/23 14:15	CH	EET MID

Client Sample ID: SW-10 (6')

Lab Sample ID: 880-29502-22

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			50.1 g	5 mL	55511	06/14/23 12:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55461	06/14/23 23:50	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55541	06/15/23 10:39	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55533	06/14/23 16:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	55508	06/14/23 11:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55457	06/14/23 14:07	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	55470	06/14/23 11:00	KS	EET MID
Soluble	Analysis	300.0		1			55510	06/14/23 14:32	CH	EET MID

Client Sample ID: SW-11 (6')

Lab Sample ID: 880-29502-23

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

Prep 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	55511	06/14/23 12:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55461	06/15/23 00:10	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55541	06/15/23 10:39	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55533	06/14/23 16:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	55508	06/14/23 11:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55457	06/14/23 14:30	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	55470	06/14/23 11:00	KS	EET MID
Soluble	Analysis	300.0		1			55510	06/14/23 14:37	CH	EET MID

Client Sample ID: SW-12 (6')

Lab Sample ID: 880-29502-24

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

Prep 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	55511	06/14/23 12:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55461	06/15/23 00:31	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55541	06/15/23 10:39	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-29502-1
SDG: Lea Co. NM

Client Sample ID: SW-12 (6')

Lab Sample ID: 880-29502-24

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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			55533	06/14/23 16:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	55508	06/14/23 11:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55457	06/14/23 14:52	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	55470	06/14/23 11:00	KS	EET MID
Soluble	Analysis	300.0		1			55510	06/14/23 14:43	CH	EET MID

Client Sample ID: SW-13 (6')

Lab Sample ID: 880-29502-25

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

Prep 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	55511	06/14/23 12:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55461	06/15/23 00:51	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55541	06/15/23 10:39	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55533	06/14/23 16:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	55508	06/14/23 11:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55457	06/14/23 15:14	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	55470	06/14/23 11:00	KS	EET MID
Soluble	Analysis	300.0		1			55510	06/14/23 14:48	CH	EET MID

Client Sample ID: SW-14 (6')

Lab Sample ID: 880-29502-26

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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	55511	06/14/23 12:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55461	06/15/23 01:12	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55541	06/15/23 10:39	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55533	06/14/23 16:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	55508	06/14/23 11:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55457	06/14/23 15:37	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	55470	06/14/23 11:00	KS	EET MID
Soluble	Analysis	300.0		1			55510	06/14/23 14:54	CH	EET MID

Client Sample ID: SW-15 (4.5')

Lab Sample ID: 880-29502-27

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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	55511	06/14/23 12:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55461	06/15/23 01:32	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55541	06/15/23 10:39	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55533	06/14/23 16:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	55508	06/14/23 11:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55457	06/14/23 16:00	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-29502-1
SDG: Lea Co. NM

Client Sample ID: SW-15 (4.5')

Lab Sample ID: 880-29502-27

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

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 g	50 mL	55470	06/14/23 11:00	KS	EET MID
Soluble	Analysis	300.0		1			55510	06/14/23 15:00	CH	EET MID

Client Sample ID: SW-16 (1.5')

Lab Sample ID: 880-29502-28

Date Collected: 06/13/23 00:00

Matrix: Solid

Date Received: 06/14/23 09:37

Prep 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	55511	06/14/23 12:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55461	06/15/23 01:53	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55541	06/15/23 10:39	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55533	06/15/23 12:35	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	55508	06/14/23 11:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55457	06/14/23 16:23	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	55470	06/14/23 11:00	KS	EET MID
Soluble	Analysis	300.0		1			55510	06/14/23 15:05	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: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-29502-1
SDG: Lea Co. NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
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)
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-29502-1
SDG: Lea Co. NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-29502-1
SDG: Lea Co. NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-29502-1	CS-1 (1.5')	Solid	06/13/23 00:00	06/14/23 09:37
880-29502-2	CS-2 (1.5')	Solid	06/13/23 00:00	06/14/23 09:37
880-29502-3	CS-3 (1.5')	Solid	06/13/23 00:00	06/14/23 09:37
880-29502-4	CS-4 (6')	Solid	06/13/23 00:00	06/14/23 09:37
880-29502-5	CS-5 (6')	Solid	06/13/23 00:00	06/14/23 09:37
880-29502-6	CS-6 (6')	Solid	06/13/23 00:00	06/14/23 09:37
880-29502-7	CS-7 (6')	Solid	06/13/23 00:00	06/14/23 09:37
880-29502-8	CS-8 (6')	Solid	06/13/23 00:00	06/14/23 09:37
880-29502-9	CS-9 (6')	Solid	06/13/23 00:00	06/14/23 09:37
880-29502-10	CS-10 (6')	Solid	06/13/23 00:00	06/14/23 09:37
880-29502-11	CS-11 (6')	Solid	06/13/23 00:00	06/14/23 09:37
880-29502-12	CS-12 (6')	Solid	06/13/23 00:00	06/14/23 09:37
880-29502-13	SW-1 (1.5')	Solid	06/13/23 00:00	06/14/23 09:37
880-29502-14	SW-2 (1.5')	Solid	06/13/23 00:00	06/14/23 09:37
880-29502-15	SW-3 (1.5')	Solid	06/13/23 00:00	06/14/23 09:37
880-29502-16	SW-4 (6')	Solid	06/13/23 00:00	06/14/23 09:37
880-29502-17	SW-5 (6')	Solid	06/13/23 00:00	06/14/23 09:37
880-29502-18	SW-6 (6')	Solid	06/13/23 00:00	06/14/23 09:37
880-29502-19	SW-7 (6')	Solid	06/13/23 00:00	06/14/23 09:37
880-29502-20	SW-8 (6')	Solid	06/13/23 00:00	06/14/23 09:37
880-29502-21	SW-9 (6')	Solid	06/13/23 00:00	06/14/23 09:37
880-29502-22	SW-10 (6')	Solid	06/13/23 00:00	06/14/23 09:37
880-29502-23	SW-11 (6')	Solid	06/13/23 00:00	06/14/23 09:37
880-29502-24	SW-12 (6')	Solid	06/13/23 00:00	06/14/23 09:37
880-29502-25	SW-13 (6')	Solid	06/13/23 00:00	06/14/23 09:37
880-29502-26	SW-14 (6')	Solid	06/13/23 00:00	06/14/23 09:37
880-29502-27	SW-15 (4.5')	Solid	06/13/23 00:00	06/14/23 09:37
880-29502-28	SW-16 (1.5')	Solid	06/13/23 00:00	06/14/23 09:37

Project Manager		Connor Moehring		Bill to: (if different)		Joseph Vargo	
Company Name		Carmona Resources		Company Name		NGL Water Solutions Permian	
Address		310 W Wall St Ste 500		Address		865 N Albino Street Suite 400	
City/State ZIP		Midland TX 79701		City, State ZIP		Denver CO 80220	
Phone		(432) 813-6823		Email		Joseph.Vargo@nlgp.com	

Work Order Comments		Program UST/PST ☐ PRP ☐ ROWfields ☐ RC ☐ \$ ☐ perfund ☐		State of Project:		Reporting Level I ☐ Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐		Deliverables EDD ☐ ADAPT ☐ Other ☐	
Page 1 of 3									

[illegible]

Comments Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com	
Relinquished by (Signature)	Received by (Signature)
6-14-23	6-14-23
937	937

Work Order No: 29562

Project Manager	Connor Moehring	Bill to: (if different)	Joseph Vargo
Company Name	Carmona Resources	Company Name	NGL Water Solutions Permian
Address	310 W Wall St Ste 500	Address	865 N Albino Street Suite 400
City State ZIP	Midland TX 79701	City, State ZIP	Denver CO 80220
Phone:	(432) 813-6823	Email	Joseph.Vargo@nlgplp.com

Work Order Comments	
Program, UST/PST ☐ PRP ☐ ROWfields ☐ RC ☐ perfund ☐ State of Project: Reporting Level I ☐ Level II ☐ ST/UST ☐ RRP ☐ Level IV ☐ Deliverables EDD ☐ ADAPT ☐ Other ☐	

Page 2 of 3

[illegible]

Comments Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com	
Relinquished by (Signature)	Received by (Signature)
Date/Time	Date/Time
6-14-23	6-14-23

Work Order No: 29502

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

29502

Work Order No:

Work Order Comments

Program ☐UST/PST ☐PRP ☐rownfields ☐RC ☐perfund ☐

State of Project

Reporting Level II ☐Level III ☐ST/UST ☐RPP ☐-level IV ☐

Deliverables EDD ☐ ADAPT ☐ Other ☐

Project Manager	Connor Moehring	Bill to (if different)	Joseph Vargo
Company Name	Carmona Resources	Company Name	NGL Water Solutions Permian
Address	310 W Wall St Ste 500	Address	865 N Albino Street Suite 400
City, State ZIP	Midland TX 79701	City, State ZIP	Denver CO 80220
Phone	(432) 813-6823	Email	Joseph.Vargo@nglep.com

Project Name	Vaca Draw Federal SWD (12 09 22)	Turn Around	☐ Routine ☒ Rush	Pres. Code		
Project Location	Lea Co NM	Due Date	24 Hrs	Parameters		
Sampler's Name	CRM			BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 300.0		
Received Intact:	Yes No	Temp Blank	Yes No			
Thermometer ID	Yes No	Wet Ice	Yes No			
Correction Factor	Yes No N/A	Corrected Temperature				
Cooler Custody Seals	Yes No N/A	Temperature Reading		# of Cont		
Sample Custody Seals	Yes No N/A					
Total Containers						
SW-9 (6)	6/13/2023	X	C		1	
SW-10 (6)	6/13/2023	X	C		1	
SW-11 (6)	6/13/2023	X	C		1	
SW-12 (6)	6/13/2023	X	C		1	
SW-13 (6)	6/13/2023	X	C		1	
SW-14 (6)	6/13/2023	X	C		1	
SW-15 (4 5)	6/13/2023	X	C		1	
SW-16 (1 5)	6/13/2023	X	C		1	
Sample Comments	Loc: 880 29502					
Preservative Codes	None NO DI Water H ₂ O MeOH Me HNO ₃ HN H ₂ SO ₄ H ₂ H ₃ PO ₄ HP NaHSO ₄ NABIS Na ₂ S O ₃ NaSO Zn Acetate+NaOH Zn NaOH+Ascorbic Acid SAPC					

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

Relinquished by (Signature)	<i>Connor Moehring</i>	Date/Time	6-14-23 9:37
Received by (Signature)	<i>[Signature]</i>	Date/Time	

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-29502-1

SDG Number: Lea Co. NM

Login Number: 29502

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	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/5/2023 12:23:56 PM

JOB DESCRIPTION

Vaca Draw Federal SWD (12.09.22)
SDG NUMBER Lea Co NM

JOB NUMBER

880-30281-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



Generated
7/5/2023 12:23:56 PM

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

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Laboratory Job ID: 880-30281-1
SDG: Lea Co NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-30281-1
SDG: Lea Co NM

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
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
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
SQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-30281-1
SDG: Lea Co NM

Job ID: 880-30281-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-30281-1****Receipt**

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

Receipt Exceptions

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

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: CS-14 (4.5') (880-30281-2) and (880-30281-A-1-A MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: CS-20 (4.5') (880-30281-8). 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-18 (4.5') (880-30281-10), SW-20 (4.5') (880-30281-12), SW-21 (4.5') (880-30281-13), SW-22 (4.5') (880-30281-14), SW-23 (4.5') (880-30281-15) and SW-24 (4.5') (880-30281-16). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-56819 and analytical batch 880-56814 was outside the upper control limits.

Method 8015MOD_NM: The matrix spike (MS) recoveries for preparation batch 880-56819 and analytical batch 880-56814 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: An incorrect volume of spiking solution was inadvertently added to the laboratory control sample (LCS), matrix spike (MS), AND/OR matrix spike duplicate (MSD) associated with preparation batch 880-56784 and analytical batch 880-56832. Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-56784 and analytical batch 880-56832 was outside control limits. Sample matrix interference and/or non-homogeneity is suspected.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS-13 (4.5') (880-30281-1), CS-14 (4.5') (880-30281-2), CS-15 (4.5') (880-30281-3), CS-16 (4.5') (880-30281-4), CS-17 (4.5') (880-30281-5), CS-18 (4.5') (880-30281-6), CS-19 (4.5') (880-30281-7), CS-20 (4.5') (880-30281-8), SW-17 (1.5') (880-30281-9), SW-18 (4.5') (880-30281-10), (CCV 880-56832/20), (CCV 880-56832/31), (CCV 880-56832/5), (LCS 880-56784/2-A), (LCSD 880-56784/3-A), (890-4877-A-1-F), (890-4877-A-1-G MS) and (890-4877-A-1-H MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SW-22 (4.5') (880-30281-14), SW-23 (4.5') (880-30281-15) and SW-24 (4.5') (880-30281-16). 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: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-30281-1
SDG: Lea Co NM

Job ID: 880-30281-1 (Continued)

Laboratory: Eurofins Midland (Continued)

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-30281-1
SDG: Lea Co NM

Client Sample ID: CS-13 (4.5')

Lab Sample ID: 880-30281-1

Date Collected: 06/30/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/03/23 09:35	07/03/23 12:34	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/03/23 09:35	07/03/23 12:34	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/03/23 09:35	07/03/23 12:34	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		07/03/23 09:35	07/03/23 12:34	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/03/23 09:35	07/03/23 12:34	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		07/03/23 09:35	07/03/23 12:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	07/03/23 09:35	07/03/23 12:34	1
1,4-Difluorobenzene (Surr)	88		70 - 130	07/03/23 09:35	07/03/23 12:34	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			07/03/23 17:11	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		49.8		mg/Kg			07/05/23 11:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U **	49.8		mg/Kg		07/03/23 09:15	07/03/23 17:28	1
Diesel Range Organics (Over C10-C28)	92.2	*+	49.8		mg/Kg		07/03/23 09:15	07/03/23 17:28	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/03/23 09:15	07/03/23 17:28	1
Total TPH	92.2		49.8		mg/Kg		07/03/23 09:15	07/03/23 17:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	291	S1+	70 - 130	07/03/23 09:15	07/03/23 17:28	1
o-Terphenyl	259	S1+	70 - 130	07/03/23 09:15	07/03/23 17:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	34.5		4.98		mg/Kg			07/03/23 22:59	1

Client Sample ID: CS-14 (4.5')

Lab Sample ID: 880-30281-2

Date Collected: 06/30/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/03/23 09:35	07/03/23 13:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/03/23 09:35	07/03/23 13:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/03/23 09:35	07/03/23 13:01	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/03/23 09:35	07/03/23 13:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/03/23 09:35	07/03/23 13:01	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/03/23 09:35	07/03/23 13:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130	07/03/23 09:35	07/03/23 13:01	1
1,4-Difluorobenzene (Surr)	82		70 - 130	07/03/23 09:35	07/03/23 13:01	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-30281-1
SDG: Lea Co NM

Client Sample ID: CS-14 (4.5')

Lab Sample ID: 880-30281-2

Date Collected: 06/30/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/03/23 17:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	96.4		50.0		mg/Kg			07/05/23 11:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U **	50.0		mg/Kg		07/03/23 09:15	07/03/23 17:56	1
Diesel Range Organics (Over C10-C28)	96.4	**	50.0		mg/Kg		07/03/23 09:15	07/03/23 17:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/03/23 09:15	07/03/23 17:56	1
Total TPH	96.4		50.0		mg/Kg		07/03/23 09:15	07/03/23 17:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	290	S1+	70 - 130				07/03/23 09:15	07/03/23 17:56	1
o-Terphenyl	259	S1+	70 - 130				07/03/23 09:15	07/03/23 17:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41.6		5.00		mg/Kg			07/03/23 23:17	1

Client Sample ID: CS-15 (4.5')

Lab Sample ID: 880-30281-3

Date Collected: 06/30/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/03/23 09:35	07/03/23 13:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/03/23 09:35	07/03/23 13:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/03/23 09:35	07/03/23 13:27	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/03/23 09:35	07/03/23 13:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/03/23 09:35	07/03/23 13:27	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/03/23 09:35	07/03/23 13:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				07/03/23 09:35	07/03/23 13:27	1
1,4-Difluorobenzene (Surr)	76		70 - 130				07/03/23 09:35	07/03/23 13:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/03/23 17:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	99.9		50.0		mg/Kg			07/05/23 11:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U **	50.0		mg/Kg		07/03/23 09:15	07/03/23 18:21	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-30281-1
SDG: Lea Co NM

Client Sample ID: CS-15 (4.5')

Lab Sample ID: 880-30281-3

Date Collected: 06/30/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	99.9	*+	50.0		mg/Kg		07/03/23 09:15	07/03/23 18:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/03/23 09:15	07/03/23 18:21	1
Total TPH	99.9		50.0		mg/Kg		07/03/23 09:15	07/03/23 18:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	296	S1+	70 - 130				07/03/23 09:15	07/03/23 18:21	1
o-Terphenyl	262	S1+	70 - 130				07/03/23 09:15	07/03/23 18:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.6		4.99		mg/Kg			07/03/23 23:23	1

Client Sample ID: CS-16 (4.5')

Lab Sample ID: 880-30281-4

Date Collected: 06/30/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/03/23 09:35	07/03/23 13:54	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/03/23 09:35	07/03/23 13:54	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/03/23 09:35	07/03/23 13:54	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/03/23 09:35	07/03/23 13:54	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/03/23 09:35	07/03/23 13:54	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/03/23 09:35	07/03/23 13:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				07/03/23 09:35	07/03/23 13:54	1
1,4-Difluorobenzene (Surr)	77		70 - 130				07/03/23 09:35	07/03/23 13:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/03/23 17:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	91.6		49.9		mg/Kg			07/05/23 11:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+	49.9		mg/Kg		07/03/23 09:15	07/03/23 18:46	1
Diesel Range Organics (Over C10-C28)	91.6	*+	49.9		mg/Kg		07/03/23 09:15	07/03/23 18:46	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/03/23 09:15	07/03/23 18:46	1
Total TPH	91.6		49.9		mg/Kg		07/03/23 09:15	07/03/23 18:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	294	S1+	70 - 130				07/03/23 09:15	07/03/23 18:46	1
o-Terphenyl	261	S1+	70 - 130				07/03/23 09:15	07/03/23 18:46	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-30281-1
SDG: Lea Co NM

Client Sample ID: CS-16 (4.5')

Lab Sample ID: 880-30281-4

Date Collected: 06/30/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	52.4		5.02		mg/Kg			07/03/23 23:29	1

Client Sample ID: CS-17 (4.5')

Lab Sample ID: 880-30281-5

Date Collected: 06/30/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/03/23 09:35	07/03/23 14:21	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/03/23 09:35	07/03/23 14:21	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/03/23 09:35	07/03/23 14:21	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		07/03/23 09:35	07/03/23 14:21	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/03/23 09:35	07/03/23 14:21	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		07/03/23 09:35	07/03/23 14:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130	07/03/23 09:35	07/03/23 14:21	1
1,4-Difluorobenzene (Surr)	79		70 - 130	07/03/23 09:35	07/03/23 14:21	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			07/03/23 17:11	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		49.8		mg/Kg			07/05/23 11:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *+	49.8		mg/Kg		07/03/23 09:15	07/03/23 19:10	1
Diesel Range Organics (Over C10-C28)	89.8	*+	49.8		mg/Kg		07/03/23 09:15	07/03/23 19:10	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/03/23 09:15	07/03/23 19:10	1
Total TPH	89.8		49.8		mg/Kg		07/03/23 09:15	07/03/23 19:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	296	S1+	70 - 130	07/03/23 09:15	07/03/23 19:10	1
o-Terphenyl	259	S1+	70 - 130	07/03/23 09:15	07/03/23 19:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	32.4		5.03		mg/Kg			07/03/23 23:34	1

Client Sample ID: CS-18 (4.5')

Lab Sample ID: 880-30281-6

Date Collected: 06/30/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/03/23 09:35	07/03/23 14:47	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/03/23 09:35	07/03/23 14:47	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-30281-1
SDG: Lea Co NM

Client Sample ID: CS-18 (4.5')

Lab Sample ID: 880-30281-6

Date Collected: 06/30/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/03/23 09:35	07/03/23 14:47	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/03/23 09:35	07/03/23 14:47	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/03/23 09:35	07/03/23 14:47	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/03/23 09:35	07/03/23 14:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				07/03/23 09:35	07/03/23 14:47	1
1,4-Difluorobenzene (Surr)	75		70 - 130				07/03/23 09:35	07/03/23 14:47	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/03/23 17:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	79.5		49.9		mg/Kg			07/05/23 11:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U **	49.9		mg/Kg		07/03/23 09:15	07/03/23 19:35	1
Diesel Range Organics (Over C10-C28)	79.5	**	49.9		mg/Kg		07/03/23 09:15	07/03/23 19:35	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/03/23 09:15	07/03/23 19:35	1
Total TPH	79.5		49.9		mg/Kg		07/03/23 09:15	07/03/23 19:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	295	S1+	70 - 130				07/03/23 09:15	07/03/23 19:35	1
o-Terphenyl	259	S1+	70 - 130				07/03/23 09:15	07/03/23 19:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24.1		4.97		mg/Kg			07/03/23 23:52	1

Client Sample ID: CS-19 (4.5')

Lab Sample ID: 880-30281-7

Date Collected: 06/30/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/03/23 09:35	07/03/23 15:14	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/03/23 09:35	07/03/23 15:14	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/03/23 09:35	07/03/23 15:14	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		07/03/23 09:35	07/03/23 15:14	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/03/23 09:35	07/03/23 15:14	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/03/23 09:35	07/03/23 15:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				07/03/23 09:35	07/03/23 15:14	1
1,4-Difluorobenzene (Surr)	75		70 - 130				07/03/23 09:35	07/03/23 15:14	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-30281-1
SDG: Lea Co NM

Client Sample ID: CS-19 (4.5')

Lab Sample ID: 880-30281-7

Date Collected: 06/30/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			07/03/23 17:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	66.3		49.9		mg/Kg			07/05/23 11:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U **	49.9		mg/Kg		07/03/23 09:15	07/03/23 19:59	1
Diesel Range Organics (Over C10-C28)	66.3	**	49.9		mg/Kg		07/03/23 09:15	07/03/23 19:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/03/23 09:15	07/03/23 19:59	1
Total TPH	66.3		49.9		mg/Kg		07/03/23 09:15	07/03/23 19:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	290	S1+	70 - 130				07/03/23 09:15	07/03/23 19:59	1
o-Terphenyl	256	S1+	70 - 130				07/03/23 09:15	07/03/23 19:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25.3		4.96		mg/Kg			07/03/23 23:58	1

Client Sample ID: CS-20 (4.5')

Lab Sample ID: 880-30281-8

Date Collected: 06/30/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/03/23 09:35	07/03/23 15:41	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/03/23 09:35	07/03/23 15:41	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/03/23 09:35	07/03/23 15:41	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/03/23 09:35	07/03/23 15:41	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/03/23 09:35	07/03/23 15:41	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/03/23 09:35	07/03/23 15:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130				07/03/23 09:35	07/03/23 15:41	1
1,4-Difluorobenzene (Surr)	79		70 - 130				07/03/23 09:35	07/03/23 15:41	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/03/23 17:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	136		50.0		mg/Kg			07/05/23 11:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U **	50.0		mg/Kg		07/03/23 09:15	07/03/23 20:23	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-30281-1
SDG: Lea Co NM

Client Sample ID: CS-20 (4.5')

Lab Sample ID: 880-30281-8

Date Collected: 06/30/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	136	*+	50.0		mg/Kg		07/03/23 09:15	07/03/23 20:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/03/23 09:15	07/03/23 20:23	1
Total TPH	136		50.0		mg/Kg		07/03/23 09:15	07/03/23 20:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	321	S1+	70 - 130				07/03/23 09:15	07/03/23 20:23	1
o-Terphenyl	283	S1+	70 - 130				07/03/23 09:15	07/03/23 20:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	32.3		5.03		mg/Kg			07/04/23 00:04	1

Client Sample ID: SW-17 (1.5')

Lab Sample ID: 880-30281-9

Date Collected: 06/30/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/03/23 09:35	07/03/23 18:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/03/23 09:35	07/03/23 18:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/03/23 09:35	07/03/23 18:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/03/23 09:35	07/03/23 18:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/03/23 09:35	07/03/23 18:22	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/03/23 09:35	07/03/23 18:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130				07/03/23 09:35	07/03/23 18:22	1
1,4-Difluorobenzene (Surr)	80		70 - 130				07/03/23 09:35	07/03/23 18:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	111		50.0		mg/Kg			07/05/23 11:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0		mg/Kg		07/03/23 09:15	07/03/23 20:46	1
Diesel Range Organics (Over C10-C28)	11.1	*+	50.0		mg/Kg		07/03/23 09:15	07/03/23 20:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/03/23 09:15	07/03/23 20:46	1
Total TPH	11.1		50.0		mg/Kg		07/03/23 09:15	07/03/23 20:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	297	S1+	70 - 130				07/03/23 09:15	07/03/23 20:46	1
o-Terphenyl	262	S1+	70 - 130				07/03/23 09:15	07/03/23 20:46	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-30281-1
SDG: Lea Co NM

Client Sample ID: SW-17 (1.5')

Lab Sample ID: 880-30281-9

Date Collected: 06/30/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	26.6		5.04		mg/Kg			07/04/23 00:09	1

Client Sample ID: SW-18 (4.5')

Lab Sample ID: 880-30281-10

Date Collected: 06/30/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/03/23 09:35	07/03/23 18:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/03/23 09:35	07/03/23 18:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/03/23 09:35	07/03/23 18:49	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/03/23 09:35	07/03/23 18:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/03/23 09:35	07/03/23 18:49	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/03/23 09:35	07/03/23 18:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	07/03/23 09:35	07/03/23 18:49	1
1,4-Difluorobenzene (Surr)	66	S1-	70 - 130	07/03/23 09:35	07/03/23 18:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/05/23 12:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	84.4		49.9		mg/Kg			07/05/23 11:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+	49.9		mg/Kg		07/03/23 09:15	07/03/23 21:09	1
Diesel Range Organics (Over C10-C28)	84.4	*+	49.9		mg/Kg		07/03/23 09:15	07/03/23 21:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/03/23 09:15	07/03/23 21:09	1
Total TPH	84.4		49.9		mg/Kg		07/03/23 09:15	07/03/23 21:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	289	S1+	70 - 130	07/03/23 09:15	07/03/23 21:09	1
o-Terphenyl	254	S1+	70 - 130	07/03/23 09:15	07/03/23 21:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.2		5.04		mg/Kg			07/04/23 00:15	1

Client Sample ID: SW-19 (4.5')

Lab Sample ID: 880-30281-11

Date Collected: 06/30/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/03/23 09:35	07/03/23 19:16	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/03/23 09:35	07/03/23 19:16	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-30281-1
SDG: Lea Co NM

Client Sample ID: SW-19 (4.5')

Lab Sample ID: 880-30281-11

Date Collected: 06/30/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/03/23 09:35	07/03/23 19:16	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		07/03/23 09:35	07/03/23 19:16	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/03/23 09:35	07/03/23 19:16	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		07/03/23 09:35	07/03/23 19:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130				07/03/23 09:35	07/03/23 19:16	1
1,4-Difluorobenzene (Surr)	74		70 - 130				07/03/23 09:35	07/03/23 19:16	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/03/23 16:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/03/23 09:15	07/03/23 15:52	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/03/23 09:15	07/03/23 15:52	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/03/23 09:15	07/03/23 15:52	1
Total TPH	<49.8	U	49.8		mg/Kg		07/03/23 09:15	07/03/23 15:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				07/03/23 09:15	07/03/23 15:52	1
o-Terphenyl	70		70 - 130				07/03/23 09:15	07/03/23 15:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	32.2		4.99		mg/Kg			07/04/23 00:21	1

Client Sample ID: SW-20 (4.5')

Lab Sample ID: 880-30281-12

Date Collected: 06/30/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/03/23 09:35	07/03/23 19:43	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/03/23 09:35	07/03/23 19:43	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/03/23 09:35	07/03/23 19:43	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/03/23 09:35	07/03/23 19:43	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/03/23 09:35	07/03/23 19:43	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/03/23 09:35	07/03/23 19:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	149	S1+	70 - 130				07/03/23 09:35	07/03/23 19:43	1
1,4-Difluorobenzene (Surr)	73		70 - 130				07/03/23 09:35	07/03/23 19:43	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-30281-1
SDG: Lea Co NM

Client Sample ID: SW-20 (4.5')

Lab Sample ID: 880-30281-12

Date Collected: 06/30/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			07/05/23 12:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/05/23 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/03/23 09:15	07/03/23 16:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/03/23 09:15	07/03/23 16:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/03/23 09:15	07/03/23 16:16	1
Total TPH	<49.9	U	49.9		mg/Kg		07/03/23 09:15	07/03/23 16:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130	07/03/23 09:15	07/03/23 16:16	1
o-Terphenyl	70		70 - 130	07/03/23 09:15	07/03/23 16:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	30.1		5.04		mg/Kg			07/04/23 00:39	1

Client Sample ID: SW-21 (4.5')

Lab Sample ID: 880-30281-13

Date Collected: 06/30/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/03/23 09:35	07/03/23 20:09	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/03/23 09:35	07/03/23 20:09	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/03/23 09:35	07/03/23 20:09	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/03/23 09:35	07/03/23 20:09	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/03/23 09:35	07/03/23 20:09	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/03/23 09:35	07/03/23 20:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130	07/03/23 09:35	07/03/23 20:09	1
1,4-Difluorobenzene (Surr)	75		70 - 130	07/03/23 09:35	07/03/23 20:09	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			07/05/23 12:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/05/23 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/03/23 09:15	07/03/23 16:40	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-30281-1
SDG: Lea Co NM

Client Sample ID: SW-21 (4.5')

Lab Sample ID: 880-30281-13

Date Collected: 06/30/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/03/23 09:15	07/03/23 16:40	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/03/23 09:15	07/03/23 16:40	1
Total TPH	<49.8	U	49.8		mg/Kg		07/03/23 09:15	07/03/23 16:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				07/03/23 09:15	07/03/23 16:40	1
o-Terphenyl	71		70 - 130				07/03/23 09:15	07/03/23 16:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	30.1		5.05		mg/Kg			07/04/23 00:44	1

Client Sample ID: SW-22 (4.5')

Lab Sample ID: 880-30281-14

Date Collected: 06/30/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/03/23 09:35	07/03/23 20:36	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/03/23 09:35	07/03/23 20:36	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/03/23 09:35	07/03/23 20:36	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/03/23 09:35	07/03/23 20:36	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/03/23 09:35	07/03/23 20:36	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/03/23 09:35	07/03/23 20:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	142	S1+	70 - 130				07/03/23 09:35	07/03/23 20:36	1
1,4-Difluorobenzene (Surr)	86		70 - 130				07/03/23 09:35	07/03/23 20:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/05/23 12:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/05/23 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/03/23 09:15	07/03/23 17:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/03/23 09:15	07/03/23 17:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/03/23 09:15	07/03/23 17:04	1
Total TPH	<50.0	U	50.0		mg/Kg		07/03/23 09:15	07/03/23 17:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	71		70 - 130				07/03/23 09:15	07/03/23 17:04	1
o-Terphenyl	57	S1-	70 - 130				07/03/23 09:15	07/03/23 17:04	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-30281-1
SDG: Lea Co NM

Client Sample ID: SW-22 (4.5')

Lab Sample ID: 880-30281-14

Date Collected: 06/30/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	35.1		4.98		mg/Kg			07/04/23 01:02	1

Client Sample ID: SW-23 (4.5')

Lab Sample ID: 880-30281-15

Date Collected: 06/30/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/03/23 09:35	07/03/23 21:03	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/03/23 09:35	07/03/23 21:03	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/03/23 09:35	07/03/23 21:03	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		07/03/23 09:35	07/03/23 21:03	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/03/23 09:35	07/03/23 21:03	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/03/23 09:35	07/03/23 21:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130	07/03/23 09:35	07/03/23 21:03	1
1,4-Difluorobenzene (Surr)	78		70 - 130	07/03/23 09:35	07/03/23 21:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			07/05/23 12:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/05/23 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/03/23 09:15	07/03/23 17:30	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/03/23 09:15	07/03/23 17:30	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/03/23 09:15	07/03/23 17:30	1
Total TPH	<49.8	U	49.8		mg/Kg		07/03/23 09:15	07/03/23 17:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	68	S1-	70 - 130	07/03/23 09:15	07/03/23 17:30	1
o-Terphenyl	51	S1-	70 - 130	07/03/23 09:15	07/03/23 17:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	27.6		4.95		mg/Kg			07/04/23 01:08	1

Client Sample ID: SW-24 (4.5')

Lab Sample ID: 880-30281-16

Date Collected: 06/30/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/03/23 09:35	07/03/23 21:30	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/03/23 09:35	07/03/23 21:30	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-30281-1
SDG: Lea Co NM

Client Sample ID: SW-24 (4.5')

Lab Sample ID: 880-30281-16

Date Collected: 06/30/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/03/23 09:35	07/03/23 21:30	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/03/23 09:35	07/03/23 21:30	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/03/23 09:35	07/03/23 21:30	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/03/23 09:35	07/03/23 21:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130				07/03/23 09:35	07/03/23 21:30	1
1,4-Difluorobenzene (Surr)	67	S1-	70 - 130				07/03/23 09:35	07/03/23 21:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			07/05/23 12:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/05/23 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/03/23 09:15	07/03/23 17:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/03/23 09:15	07/03/23 17:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/03/23 09:15	07/03/23 17:55	1
Total TPH	<50.0	U	50.0		mg/Kg		07/03/23 09:15	07/03/23 17:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130				07/03/23 09:15	07/03/23 17:55	1
o-Terphenyl	59	S1-	70 - 130				07/03/23 09:15	07/03/23 17:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	30.6		5.04		mg/Kg			07/04/23 01:14	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-30281-1
SDG: Lea Co NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	BFB1	DFBZ1		
		(70-130)	(70-130)		
880-30281-1	CS-13 (4.5')	127	88		
880-30281-1 MS	CS-13 (4.5')	137 S1+	86		
880-30281-1 MSD	CS-13 (4.5')	128	89		
880-30281-2	CS-14 (4.5')	133 S1+	82		
880-30281-3	CS-15 (4.5')	126	76		
880-30281-4	CS-16 (4.5')	126	77		
880-30281-5	CS-17 (4.5')	126	79		
880-30281-6	CS-18 (4.5')	114	75		
880-30281-7	CS-19 (4.5')	124	75		
880-30281-8	CS-20 (4.5')	140 S1+	79		
880-30281-9	SW-17 (1.5')	129	80		
880-30281-10	SW-18 (4.5')	125	66 S1-		
880-30281-11	SW-19 (4.5')	130	74		
880-30281-12	SW-20 (4.5')	149 S1+	73		
880-30281-13	SW-21 (4.5')	135 S1+	75		
880-30281-14	SW-22 (4.5')	142 S1+	86		
880-30281-15	SW-23 (4.5')	139 S1+	78		
880-30281-16	SW-24 (4.5')	131 S1+	67 S1-		
LCS 880-56843/1-A	Lab Control Sample	121	89		
LCSD 880-56843/2-A	Lab Control Sample Dup	122	88		
MB 880-56843/5-A	Method Blank	76	81		
Surrogate Legend					
BFB = 4-Bromofluorobenzene (Surr)					
DFBZ = 1,4-Difluorobenzene (Surr)					

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	1CO1	OTPH1		
		(70-130)	(70-130)		
880-30281-1	CS-13 (4.5')	291 S1+	259 S1+		
880-30281-2	CS-14 (4.5')	290 S1+	259 S1+		
880-30281-3	CS-15 (4.5')	296 S1+	262 S1+		
880-30281-4	CS-16 (4.5')	294 S1+	261 S1+		
880-30281-5	CS-17 (4.5')	296 S1+	259 S1+		
880-30281-6	CS-18 (4.5')	295 S1+	259 S1+		
880-30281-7	CS-19 (4.5')	290 S1+	256 S1+		
880-30281-8	CS-20 (4.5')	321 S1+	283 S1+		
880-30281-9	SW-17 (1.5')	297 S1+	262 S1+		
880-30281-10	SW-18 (4.5')	289 S1+	254 S1+		
880-30281-11	SW-19 (4.5')	85	70		
880-30281-12	SW-20 (4.5')	86	70		
880-30281-13	SW-21 (4.5')	90	71		
880-30281-14	SW-22 (4.5')	71	57 S1-		
880-30281-15	SW-23 (4.5')	68 S1-	51 S1-		
880-30281-16	SW-24 (4.5')	76	59 S1-		
890-4875-A-2-H MS	Matrix Spike	125	98		
890-4875-A-2-I MSD	Matrix Spike Duplicate	108	85		

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Surrogate Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-30281-1
SDG: Lea Co NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-4877-A-1-G MS	Matrix Spike	343 S1+	262 S1+
890-4877-A-1-H MSD	Matrix Spike Duplicate	294 S1+	225 S1+
LCS 880-56784/2-A	Lab Control Sample	313 S1+	274 S1+
LCS 880-56819/2-A	Lab Control Sample	85	73
LCSD 880-56784/3-A	Lab Control Sample Dup	305 S1+	256 S1+
LCSD 880-56819/3-A	Lab Control Sample Dup	90	82
MB 880-56784/1-A	Method Blank	128	123
MB 880-56819/1-A	Method Blank	137 S1+	124
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-30281-1
SDG: Lea Co NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-56843/5-A

Matrix: Solid

Analysis Batch: 56821

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56843

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/03/23 09:35	07/03/23 12:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/03/23 09:35	07/03/23 12:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/03/23 09:35	07/03/23 12:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/03/23 09:35	07/03/23 12:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/03/23 09:35	07/03/23 12:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/03/23 09:35	07/03/23 12:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130	07/03/23 09:35	07/03/23 12:08	1
1,4-Difluorobenzene (Surr)	81		70 - 130	07/03/23 09:35	07/03/23 12:08	1

Lab Sample ID: LCS 880-56843/1-A

Matrix: Solid

Analysis Batch: 56821

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 56843

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1263		mg/Kg		126	70 - 130
Toluene	0.100	0.1228		mg/Kg		123	70 - 130
Ethylbenzene	0.100	0.1155		mg/Kg		116	70 - 130
m-Xylene & p-Xylene	0.200	0.2249		mg/Kg		112	70 - 130
o-Xylene	0.100	0.1199		mg/Kg		120	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	121		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: LCSD 880-56843/2-A

Matrix: Solid

Analysis Batch: 56821

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 56843

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1271		mg/Kg		127	70 - 130	1	35
Toluene	0.100	0.1268		mg/Kg		127	70 - 130	3	35
Ethylbenzene	0.100	0.1223		mg/Kg		122	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.2381		mg/Kg		119	70 - 130	6	35
o-Xylene	0.100	0.1247		mg/Kg		125	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	122		70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

Lab Sample ID: 880-30281-1 MS

Matrix: Solid

Analysis Batch: 56821

Client Sample ID: CS-13 (4.5')

Prep Type: Total/NA

Prep Batch: 56843

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.0996	0.1113		mg/Kg		112	70 - 130
Toluene	<0.00202	U	0.0996	0.1052		mg/Kg		106	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-30281-1
SDG: Lea Co NM

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

Lab Sample ID: 880-30281-1 MS

Matrix: Solid

Analysis Batch: 56821

Client Sample ID: CS-13 (4.5')

Prep Type: Total/NA

Prep Batch: 56843

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00202	U	0.0996	0.09166		mg/Kg		92	70 - 130
m-Xylene & p-Xylene	<0.00403	U	0.199	0.1764		mg/Kg		89	70 - 130
o-Xylene	<0.00202	U	0.0996	0.08884		mg/Kg		89	70 - 130

Surrogate	MS %Recovery	MS Qualifier	MS Limits
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130
1,4-Difluorobenzene (Surr)	86		70 - 130

Lab Sample ID: 880-30281-1 MSD

Matrix: Solid

Analysis Batch: 56821

Client Sample ID: CS-13 (4.5')

Prep Type: Total/NA

Prep Batch: 56843

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	0.1227		mg/Kg		123	70 - 130	10	35
Toluene	<0.00202	U	0.0998	0.1141		mg/Kg		114	70 - 130	8	35
Ethylbenzene	<0.00202	U	0.0998	0.1040		mg/Kg		104	70 - 130	13	35
m-Xylene & p-Xylene	<0.00403	U	0.200	0.2022		mg/Kg		101	70 - 130	14	35
o-Xylene	<0.00202	U	0.0998	0.1049		mg/Kg		105	70 - 130	17	35

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
4-Bromofluorobenzene (Surr)	128		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

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

Lab Sample ID: MB 880-56784/1-A

Matrix: Solid

Analysis Batch: 56832

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56784

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/02/23 12:23	07/03/23 09:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/02/23 12:23	07/03/23 09:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/02/23 12:23	07/03/23 09:25	1
Total TPH	<50.0	U	50.0		mg/Kg		07/02/23 12:23	07/03/23 09:25	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130	07/02/23 12:23	07/03/23 09:25	1
o-Terphenyl	123		70 - 130	07/02/23 12:23	07/03/23 09:25	1

Lab Sample ID: LCS 880-56784/2-A

Matrix: Solid

Analysis Batch: 56832

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 56784

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	2915	*+	mg/Kg		292	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-30281-1
SDG: Lea Co NM

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

Lab Sample ID: LCS 880-56784/2-A

Matrix: Solid

Analysis Batch: 56832

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 56784

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	1000	3193	*+	mg/Kg		319	70 - 130

	LCS %Recovery	LCS Qualifier	Limits
Surrogate			
1-Chlorooctane	313	S1+	70 - 130
o-Terphenyl	274	S1+	70 - 130

Lab Sample ID: LCSD 880-56784/3-A

Matrix: Solid

Analysis Batch: 56832

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 56784

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	2835	*+	mg/Kg		284	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	3198	*+	mg/Kg		320	70 - 130	0	20

	LCSD %Recovery	LCSD Qualifier	Limits
Surrogate			
1-Chlorooctane	305	S1+	70 - 130
o-Terphenyl	256	S1+	70 - 130

Lab Sample ID: 890-4877-A-1-G MS

Matrix: Solid

Analysis Batch: 56832

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 56784

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+ F1	998	2691	F1	mg/Kg		266	70 - 130
Diesel Range Organics (Over C10-C28)	67.8	*+ F1	998	3592	F1	mg/Kg		353	70 - 130

	MS %Recovery	MS Qualifier	Limits
Surrogate			
1-Chlorooctane	343	S1+	70 - 130
o-Terphenyl	262	S1+	70 - 130

Lab Sample ID: 890-4877-A-1-H MSD

Matrix: Solid

Analysis Batch: 56832

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 56784

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+ F1	998	2132	F1 F2	mg/Kg		210	70 - 130	23	20
Diesel Range Organics (Over C10-C28)	67.8	*+ F1	998	3040	F1	mg/Kg		298	70 - 130	17	20

	MSD %Recovery	MSD Qualifier	Limits
Surrogate			
1-Chlorooctane	294	S1+	70 - 130
o-Terphenyl	225	S1+	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-30281-1
SDG: Lea Co NM

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

Lab Sample ID: MB 880-56819/1-A

Matrix: Solid

Analysis Batch: 56814

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56819

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/03/23 08:00	07/03/23 08:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/03/23 08:00	07/03/23 08:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/03/23 08:00	07/03/23 08:16	1
Total TPH	<50.0	U	50.0		mg/Kg		07/03/23 08:00	07/03/23 08:16	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	137	S1+	70 - 130	07/03/23 08:00	07/03/23 08:16	1
o-Terphenyl	124		70 - 130	07/03/23 08:00	07/03/23 08:16	1

Lab Sample ID: LCS 880-56819/2-A

Matrix: Solid

Analysis Batch: 56814

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 56819

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	901.2		mg/Kg		90	70 - 130
Diesel Range Organics (Over C10-C28)	1000	824.2		mg/Kg		82	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	85		70 - 130
o-Terphenyl	73		70 - 130

Lab Sample ID: LCSD 880-56819/3-A

Matrix: Solid

Analysis Batch: 56814

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 56819

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	875.3		mg/Kg		88	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	841.2		mg/Kg		84	70 - 130	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	90		70 - 130
o-Terphenyl	82		70 - 130

Lab Sample ID: 890-4875-A-2-H MS

Matrix: Solid

Analysis Batch: 56814

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 56819

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	1010		mg/Kg		99	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U F1	999	1353	F1	mg/Kg		131	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-30281-1
SDG: Lea Co NM

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

Lab Sample ID: 890-4875-A-2-H MS

Matrix: Solid

Analysis Batch: 56814

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 56819

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	125		70 - 130
o-Terphenyl	98		70 - 130

Lab Sample ID: 890-4875-A-2-I MSD

Matrix: Solid

Analysis Batch: 56814

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 56819

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	886.9		mg/Kg		87	70 - 130	13	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1	997	1171		mg/Kg		113	70 - 130	14	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	108		70 - 130
o-Terphenyl	85		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-56895/1-A

Matrix: Solid

Analysis Batch: 56936

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			07/03/23 22:42	1

Lab Sample ID: LCS 880-56895/2-A

Matrix: Solid

Analysis Batch: 56936

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	239.7		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-56895/3-A

Matrix: Solid

Analysis Batch: 56936

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	240.5		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 880-30281-1 MS

Matrix: Solid

Analysis Batch: 56936

Client Sample ID: CS-13 (4.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	34.5		249	267.0		mg/Kg		93	90 - 110

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QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-30281-1
SDG: Lea Co NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-30281-1 MSD					Client Sample ID: CS-13 (4.5')							
Matrix: Solid					Prep Type: Soluble							
Analysis Batch: 56936												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	34.5		249	265.7		mg/Kg		93	90 - 110	0	20	

Lab Sample ID: 880-30281-11 MS					Client Sample ID: SW-19 (4.5')							
Matrix: Solid					Prep Type: Soluble							
Analysis Batch: 56936												
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits			
Chloride	32.2		250	268.8		mg/Kg		95	90 - 110			

Lab Sample ID: 880-30281-11 MSD					Client Sample ID: SW-19 (4.5')							
Matrix: Solid					Prep Type: Soluble							
Analysis Batch: 56936												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	32.2		250	268.4		mg/Kg		95	90 - 110	0	20	

QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-30281-1
SDG: Lea Co NM

GC VOA

Analysis Batch: 56821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30281-1	CS-13 (4.5')	Total/NA	Solid	8021B	56843
880-30281-2	CS-14 (4.5')	Total/NA	Solid	8021B	56843
880-30281-3	CS-15 (4.5')	Total/NA	Solid	8021B	56843
880-30281-4	CS-16 (4.5')	Total/NA	Solid	8021B	56843
880-30281-5	CS-17 (4.5')	Total/NA	Solid	8021B	56843
880-30281-6	CS-18 (4.5')	Total/NA	Solid	8021B	56843
880-30281-7	CS-19 (4.5')	Total/NA	Solid	8021B	56843
880-30281-8	CS-20 (4.5')	Total/NA	Solid	8021B	56843
880-30281-9	SW-17 (1.5')	Total/NA	Solid	8021B	56843
880-30281-10	SW-18 (4.5')	Total/NA	Solid	8021B	56843
880-30281-11	SW-19 (4.5')	Total/NA	Solid	8021B	56843
880-30281-12	SW-20 (4.5')	Total/NA	Solid	8021B	56843
880-30281-13	SW-21 (4.5')	Total/NA	Solid	8021B	56843
880-30281-14	SW-22 (4.5')	Total/NA	Solid	8021B	56843
880-30281-15	SW-23 (4.5')	Total/NA	Solid	8021B	56843
880-30281-16	SW-24 (4.5')	Total/NA	Solid	8021B	56843
MB 880-56843/5-A	Method Blank	Total/NA	Solid	8021B	56843
LCS 880-56843/1-A	Lab Control Sample	Total/NA	Solid	8021B	56843
LCSD 880-56843/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	56843
880-30281-1 MS	CS-13 (4.5')	Total/NA	Solid	8021B	56843
880-30281-1 MSD	CS-13 (4.5')	Total/NA	Solid	8021B	56843

Prep Batch: 56843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30281-1	CS-13 (4.5')	Total/NA	Solid	5035	
880-30281-2	CS-14 (4.5')	Total/NA	Solid	5035	
880-30281-3	CS-15 (4.5')	Total/NA	Solid	5035	
880-30281-4	CS-16 (4.5')	Total/NA	Solid	5035	
880-30281-5	CS-17 (4.5')	Total/NA	Solid	5035	
880-30281-6	CS-18 (4.5')	Total/NA	Solid	5035	
880-30281-7	CS-19 (4.5')	Total/NA	Solid	5035	
880-30281-8	CS-20 (4.5')	Total/NA	Solid	5035	
880-30281-9	SW-17 (1.5')	Total/NA	Solid	5035	
880-30281-10	SW-18 (4.5')	Total/NA	Solid	5035	
880-30281-11	SW-19 (4.5')	Total/NA	Solid	5035	
880-30281-12	SW-20 (4.5')	Total/NA	Solid	5035	
880-30281-13	SW-21 (4.5')	Total/NA	Solid	5035	
880-30281-14	SW-22 (4.5')	Total/NA	Solid	5035	
880-30281-15	SW-23 (4.5')	Total/NA	Solid	5035	
880-30281-16	SW-24 (4.5')	Total/NA	Solid	5035	
MB 880-56843/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-56843/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-56843/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-30281-1 MS	CS-13 (4.5')	Total/NA	Solid	5035	
880-30281-1 MSD	CS-13 (4.5')	Total/NA	Solid	5035	

Analysis Batch: 56932

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30281-1	CS-13 (4.5')	Total/NA	Solid	Total BTEX	
880-30281-2	CS-14 (4.5')	Total/NA	Solid	Total BTEX	
880-30281-3	CS-15 (4.5')	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-30281-1
SDG: Lea Co NM

GC VOA (Continued)

Analysis Batch: 56932 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30281-4	CS-16 (4.5')	Total/NA	Solid	Total BTEX	
880-30281-5	CS-17 (4.5')	Total/NA	Solid	Total BTEX	
880-30281-6	CS-18 (4.5')	Total/NA	Solid	Total BTEX	
880-30281-7	CS-19 (4.5')	Total/NA	Solid	Total BTEX	
880-30281-8	CS-20 (4.5')	Total/NA	Solid	Total BTEX	
880-30281-9	SW-17 (1.5')	Total/NA	Solid	Total BTEX	
880-30281-10	SW-18 (4.5')	Total/NA	Solid	Total BTEX	
880-30281-11	SW-19 (4.5')	Total/NA	Solid	Total BTEX	
880-30281-12	SW-20 (4.5')	Total/NA	Solid	Total BTEX	
880-30281-13	SW-21 (4.5')	Total/NA	Solid	Total BTEX	
880-30281-14	SW-22 (4.5')	Total/NA	Solid	Total BTEX	
880-30281-15	SW-23 (4.5')	Total/NA	Solid	Total BTEX	
880-30281-16	SW-24 (4.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 56784

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30281-1	CS-13 (4.5')	Total/NA	Solid	8015NM Prep	
880-30281-2	CS-14 (4.5')	Total/NA	Solid	8015NM Prep	
880-30281-3	CS-15 (4.5')	Total/NA	Solid	8015NM Prep	
880-30281-4	CS-16 (4.5')	Total/NA	Solid	8015NM Prep	
880-30281-5	CS-17 (4.5')	Total/NA	Solid	8015NM Prep	
880-30281-6	CS-18 (4.5')	Total/NA	Solid	8015NM Prep	
880-30281-7	CS-19 (4.5')	Total/NA	Solid	8015NM Prep	
880-30281-8	CS-20 (4.5')	Total/NA	Solid	8015NM Prep	
880-30281-9	SW-17 (1.5')	Total/NA	Solid	8015NM Prep	
880-30281-10	SW-18 (4.5')	Total/NA	Solid	8015NM Prep	
MB 880-56784/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-56784/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-56784/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4877-A-1-G MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-4877-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 56814

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30281-11	SW-19 (4.5')	Total/NA	Solid	8015B NM	56819
880-30281-12	SW-20 (4.5')	Total/NA	Solid	8015B NM	56819
880-30281-13	SW-21 (4.5')	Total/NA	Solid	8015B NM	56819
880-30281-14	SW-22 (4.5')	Total/NA	Solid	8015B NM	56819
880-30281-15	SW-23 (4.5')	Total/NA	Solid	8015B NM	56819
880-30281-16	SW-24 (4.5')	Total/NA	Solid	8015B NM	56819
MB 880-56819/1-A	Method Blank	Total/NA	Solid	8015B NM	56819
LCS 880-56819/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	56819
LCSD 880-56819/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	56819
890-4875-A-2-H MS	Matrix Spike	Total/NA	Solid	8015B NM	56819
890-4875-A-2-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	56819

Prep Batch: 56819

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30281-11	SW-19 (4.5')	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-30281-1
SDG: Lea Co NM

GC Semi VOA (Continued)

Prep Batch: 56819 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30281-12	SW-20 (4.5')	Total/NA	Solid	8015NM Prep	
880-30281-13	SW-21 (4.5')	Total/NA	Solid	8015NM Prep	
880-30281-14	SW-22 (4.5')	Total/NA	Solid	8015NM Prep	
880-30281-15	SW-23 (4.5')	Total/NA	Solid	8015NM Prep	
880-30281-16	SW-24 (4.5')	Total/NA	Solid	8015NM Prep	
MB 880-56819/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-56819/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-56819/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4875-A-2-H MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-4875-A-2-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 56832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30281-1	CS-13 (4.5')	Total/NA	Solid	8015B NM	56784
880-30281-2	CS-14 (4.5')	Total/NA	Solid	8015B NM	56784
880-30281-3	CS-15 (4.5')	Total/NA	Solid	8015B NM	56784
880-30281-4	CS-16 (4.5')	Total/NA	Solid	8015B NM	56784
880-30281-5	CS-17 (4.5')	Total/NA	Solid	8015B NM	56784
880-30281-6	CS-18 (4.5')	Total/NA	Solid	8015B NM	56784
880-30281-7	CS-19 (4.5')	Total/NA	Solid	8015B NM	56784
880-30281-8	CS-20 (4.5')	Total/NA	Solid	8015B NM	56784
880-30281-9	SW-17 (1.5')	Total/NA	Solid	8015B NM	56784
880-30281-10	SW-18 (4.5')	Total/NA	Solid	8015B NM	56784
MB 880-56784/1-A	Method Blank	Total/NA	Solid	8015B NM	56784
LCS 880-56784/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	56784
LCSD 880-56784/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	56784
890-4877-A-1-G MS	Matrix Spike	Total/NA	Solid	8015B NM	56784
890-4877-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	56784

Analysis Batch: 56925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30281-1	CS-13 (4.5')	Total/NA	Solid	8015 NM	
880-30281-2	CS-14 (4.5')	Total/NA	Solid	8015 NM	
880-30281-3	CS-15 (4.5')	Total/NA	Solid	8015 NM	
880-30281-4	CS-16 (4.5')	Total/NA	Solid	8015 NM	
880-30281-5	CS-17 (4.5')	Total/NA	Solid	8015 NM	
880-30281-6	CS-18 (4.5')	Total/NA	Solid	8015 NM	
880-30281-7	CS-19 (4.5')	Total/NA	Solid	8015 NM	
880-30281-8	CS-20 (4.5')	Total/NA	Solid	8015 NM	
880-30281-9	SW-17 (1.5')	Total/NA	Solid	8015 NM	
880-30281-10	SW-18 (4.5')	Total/NA	Solid	8015 NM	
880-30281-11	SW-19 (4.5')	Total/NA	Solid	8015 NM	
880-30281-12	SW-20 (4.5')	Total/NA	Solid	8015 NM	
880-30281-13	SW-21 (4.5')	Total/NA	Solid	8015 NM	
880-30281-14	SW-22 (4.5')	Total/NA	Solid	8015 NM	
880-30281-15	SW-23 (4.5')	Total/NA	Solid	8015 NM	
880-30281-16	SW-24 (4.5')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources

Job ID: 880-30281-1

Project/Site: Vaca Draw Federal SWD (12.09.22)

SDG: Lea Co NM

HPLC/IC

Leach Batch: 56895

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30281-1	CS-13 (4.5')	Soluble	Solid	DI Leach	
880-30281-2	CS-14 (4.5')	Soluble	Solid	DI Leach	
880-30281-3	CS-15 (4.5')	Soluble	Solid	DI Leach	
880-30281-4	CS-16 (4.5')	Soluble	Solid	DI Leach	
880-30281-5	CS-17 (4.5')	Soluble	Solid	DI Leach	
880-30281-6	CS-18 (4.5')	Soluble	Solid	DI Leach	
880-30281-7	CS-19 (4.5')	Soluble	Solid	DI Leach	
880-30281-8	CS-20 (4.5')	Soluble	Solid	DI Leach	
880-30281-9	SW-17 (1.5')	Soluble	Solid	DI Leach	
880-30281-10	SW-18 (4.5')	Soluble	Solid	DI Leach	
880-30281-11	SW-19 (4.5')	Soluble	Solid	DI Leach	
880-30281-12	SW-20 (4.5')	Soluble	Solid	DI Leach	
880-30281-13	SW-21 (4.5')	Soluble	Solid	DI Leach	
880-30281-14	SW-22 (4.5')	Soluble	Solid	DI Leach	
880-30281-15	SW-23 (4.5')	Soluble	Solid	DI Leach	
880-30281-16	SW-24 (4.5')	Soluble	Solid	DI Leach	
MB 880-56895/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-56895/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-56895/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-30281-1 MS	CS-13 (4.5')	Soluble	Solid	DI Leach	
880-30281-1 MSD	CS-13 (4.5')	Soluble	Solid	DI Leach	
880-30281-11 MS	SW-19 (4.5')	Soluble	Solid	DI Leach	
880-30281-11 MSD	SW-19 (4.5')	Soluble	Solid	DI Leach	

Analysis Batch: 56936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30281-1	CS-13 (4.5')	Soluble	Solid	300.0	56895
880-30281-2	CS-14 (4.5')	Soluble	Solid	300.0	56895
880-30281-3	CS-15 (4.5')	Soluble	Solid	300.0	56895
880-30281-4	CS-16 (4.5')	Soluble	Solid	300.0	56895
880-30281-5	CS-17 (4.5')	Soluble	Solid	300.0	56895
880-30281-6	CS-18 (4.5')	Soluble	Solid	300.0	56895
880-30281-7	CS-19 (4.5')	Soluble	Solid	300.0	56895
880-30281-8	CS-20 (4.5')	Soluble	Solid	300.0	56895
880-30281-9	SW-17 (1.5')	Soluble	Solid	300.0	56895
880-30281-10	SW-18 (4.5')	Soluble	Solid	300.0	56895
880-30281-11	SW-19 (4.5')	Soluble	Solid	300.0	56895
880-30281-12	SW-20 (4.5')	Soluble	Solid	300.0	56895
880-30281-13	SW-21 (4.5')	Soluble	Solid	300.0	56895
880-30281-14	SW-22 (4.5')	Soluble	Solid	300.0	56895
880-30281-15	SW-23 (4.5')	Soluble	Solid	300.0	56895
880-30281-16	SW-24 (4.5')	Soluble	Solid	300.0	56895
MB 880-56895/1-A	Method Blank	Soluble	Solid	300.0	56895
LCS 880-56895/2-A	Lab Control Sample	Soluble	Solid	300.0	56895
LCSD 880-56895/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	56895
880-30281-1 MS	CS-13 (4.5')	Soluble	Solid	300.0	56895
880-30281-1 MSD	CS-13 (4.5')	Soluble	Solid	300.0	56895
880-30281-11 MS	SW-19 (4.5')	Soluble	Solid	300.0	56895
880-30281-11 MSD	SW-19 (4.5')	Soluble	Solid	300.0	56895

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-30281-1
SDG: Lea Co NM

Client Sample ID: CS-13 (4.5')

Lab Sample ID: 880-30281-1

Date Collected: 06/30/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	56843	07/03/23 09:35	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56821	07/03/23 12:34	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56932	07/03/23 17:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			56925	07/05/23 11:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	56784	07/03/23 09:15	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56832	07/03/23 17:28	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	56895	07/03/23 11:54	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56936	07/03/23 22:59	CH	EET MID

Client Sample ID: CS-14 (4.5')

Lab Sample ID: 880-30281-2

Date Collected: 06/30/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	56843	07/03/23 09:35	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56821	07/03/23 13:01	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56932	07/03/23 17:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			56925	07/05/23 11:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	56784	07/03/23 09:15	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56832	07/03/23 17:56	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	56895	07/03/23 11:54	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56936	07/03/23 23:17	CH	EET MID

Client Sample ID: CS-15 (4.5')

Lab Sample ID: 880-30281-3

Date Collected: 06/30/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	56843	07/03/23 09:35	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56821	07/03/23 13:27	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56932	07/03/23 17:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			56925	07/05/23 11:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	56784	07/03/23 09:15	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56832	07/03/23 18:21	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	56895	07/03/23 11:54	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56936	07/03/23 23:23	CH	EET MID

Client Sample ID: CS-16 (4.5')

Lab Sample ID: 880-30281-4

Date Collected: 06/30/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	56843	07/03/23 09:35	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56821	07/03/23 13:54	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56932	07/03/23 17:11	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-30281-1
SDG: Lea Co NM

Client Sample ID: CS-16 (4.5')

Lab Sample ID: 880-30281-4

Date Collected: 06/30/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			56925	07/05/23 11:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	56784	07/03/23 09:15	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56832	07/03/23 18:46	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	56895	07/03/23 11:54	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56936	07/03/23 23:29	CH	EET MID

Client Sample ID: CS-17 (4.5')

Lab Sample ID: 880-30281-5

Date Collected: 06/30/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	56843	07/03/23 09:35	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56821	07/03/23 14:21	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56932	07/03/23 17:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			56925	07/05/23 11:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	56784	07/03/23 09:15	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56832	07/03/23 19:10	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	56895	07/03/23 11:54	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56936	07/03/23 23:34	CH	EET MID

Client Sample ID: CS-18 (4.5')

Lab Sample ID: 880-30281-6

Date Collected: 06/30/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	56843	07/03/23 09:35	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56821	07/03/23 14:47	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56932	07/03/23 17:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			56925	07/05/23 11:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	56784	07/03/23 09:15	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56832	07/03/23 19:35	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	56895	07/03/23 11:54	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56936	07/03/23 23:52	CH	EET MID

Client Sample ID: CS-19 (4.5')

Lab Sample ID: 880-30281-7

Date Collected: 06/30/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	56843	07/03/23 09:35	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56821	07/03/23 15:14	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56932	07/03/23 17:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			56925	07/05/23 11:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	56784	07/03/23 09:15	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56832	07/03/23 19:59	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-30281-1
SDG: Lea Co NM

Client Sample ID: CS-19 (4.5')

Date Collected: 06/30/23 00:00

Date Received: 07/03/23 09:04

Lab Sample ID: 880-30281-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	56895	07/03/23 11:54	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56936	07/03/23 23:58	CH	EET MID

Client Sample ID: CS-20 (4.5')

Date Collected: 06/30/23 00:00

Date Received: 07/03/23 09:04

Lab Sample ID: 880-30281-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	56843	07/03/23 09:35	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56821	07/03/23 15:41	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56932	07/03/23 17:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			56925	07/05/23 11:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	56784	07/03/23 09:15	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56832	07/03/23 20:23	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	56895	07/03/23 11:54	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56936	07/04/23 00:04	CH	EET MID

Client Sample ID: SW-17 (1.5')

Date Collected: 06/30/23 00:00

Date Received: 07/03/23 09:04

Lab Sample ID: 880-30281-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	56843	07/03/23 09:35	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56821	07/03/23 18:22	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56932	07/05/23 12:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			56925	07/05/23 11:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	56784	07/03/23 09:15	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56832	07/03/23 20:46	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	56895	07/03/23 11:54	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56936	07/04/23 00:09	CH	EET MID

Client Sample ID: SW-18 (4.5')

Date Collected: 06/30/23 00:00

Date Received: 07/03/23 09:04

Lab Sample ID: 880-30281-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	56843	07/03/23 09:35	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56821	07/03/23 18:49	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56932	07/05/23 12:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			56925	07/05/23 11:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	56784	07/03/23 09:15	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56832	07/03/23 21:09	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	56895	07/03/23 11:54	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56936	07/04/23 00:15	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-30281-1
SDG: Lea Co NM

Client Sample ID: SW-19 (4.5')

Lab Sample ID: 880-30281-11

Date Collected: 06/30/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	56843	07/03/23 09:35	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56821	07/03/23 19:16	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56932	07/05/23 12:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			56925	07/03/23 16:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	56819	07/03/23 09:15	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56814	07/03/23 15:52	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	56895	07/03/23 11:54	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56936	07/04/23 00:21	CH	EET MID

Client Sample ID: SW-20 (4.5')

Lab Sample ID: 880-30281-12

Date Collected: 06/30/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	56843	07/03/23 09:35	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56821	07/03/23 19:43	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56932	07/05/23 12:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			56925	07/05/23 11:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	56819	07/03/23 09:15	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56814	07/03/23 16:16	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	56895	07/03/23 11:54	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56936	07/04/23 00:39	CH	EET MID

Client Sample ID: SW-21 (4.5')

Lab Sample ID: 880-30281-13

Date Collected: 06/30/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	56843	07/03/23 09:35	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56821	07/03/23 20:09	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56932	07/05/23 12:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			56925	07/05/23 11:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	56819	07/03/23 09:15	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56814	07/03/23 16:40	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	56895	07/03/23 11:54	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56936	07/04/23 00:44	CH	EET MID

Client Sample ID: SW-22 (4.5')

Lab Sample ID: 880-30281-14

Date Collected: 06/30/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	56843	07/03/23 09:35	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56821	07/03/23 20:36	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56932	07/05/23 12:58	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-30281-1
SDG: Lea Co NM

Client Sample ID: SW-22 (4.5')

Date Collected: 06/30/23 00:00

Date Received: 07/03/23 09:04

Lab Sample ID: 880-30281-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			56925	07/05/23 11:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	56819	07/03/23 09:15	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56814	07/03/23 17:04	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	56895	07/03/23 11:54	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56936	07/04/23 01:02	CH	EET MID

Client Sample ID: SW-23 (4.5')

Date Collected: 06/30/23 00:00

Date Received: 07/03/23 09:04

Lab Sample ID: 880-30281-15

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	56843	07/03/23 09:35	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56821	07/03/23 21:03	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56932	07/05/23 12:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			56925	07/05/23 11:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	56819	07/03/23 09:15	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56814	07/03/23 17:30	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	56895	07/03/23 11:54	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56936	07/04/23 01:08	CH	EET MID

Client Sample ID: SW-24 (4.5')

Date Collected: 06/30/23 00:00

Date Received: 07/03/23 09:04

Lab Sample ID: 880-30281-16

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	56843	07/03/23 09:35	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56821	07/03/23 21:30	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56932	07/05/23 12:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			56925	07/05/23 11:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	56819	07/03/23 09:15	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56814	07/03/23 17:55	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	56895	07/03/23 11:54	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56936	07/04/23 01:14	CH	EET MID

Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-30281-1
SDG: Lea Co NM

Laboratory: Eurofins Midland

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

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

Method Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-30281-1
SDG: Lea Co NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-30281-1
SDG: Lea Co NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-30281-1	CS-13 (4.5')	Solid	06/30/23 00:00	07/03/23 09:04
880-30281-2	CS-14 (4.5')	Solid	06/30/23 00:00	07/03/23 09:04
880-30281-3	CS-15 (4.5')	Solid	06/30/23 00:00	07/03/23 09:04
880-30281-4	CS-16 (4.5')	Solid	06/30/23 00:00	07/03/23 09:04
880-30281-5	CS-17 (4.5')	Solid	06/30/23 00:00	07/03/23 09:04
880-30281-6	CS-18 (4.5')	Solid	06/30/23 00:00	07/03/23 09:04
880-30281-7	CS-19 (4.5')	Solid	06/30/23 00:00	07/03/23 09:04
880-30281-8	CS-20 (4.5')	Solid	06/30/23 00:00	07/03/23 09:04
880-30281-9	SW-17 (1.5')	Solid	06/30/23 00:00	07/03/23 09:04
880-30281-10	SW-18 (4.5')	Solid	06/30/23 00:00	07/03/23 09:04
880-30281-11	SW-19 (4.5')	Solid	06/30/23 00:00	07/03/23 09:04
880-30281-12	SW-20 (4.5')	Solid	06/30/23 00:00	07/03/23 09:04
880-30281-13	SW-21 (4.5')	Solid	06/30/23 00:00	07/03/23 09:04
880-30281-14	SW-22 (4.5')	Solid	06/30/23 00:00	07/03/23 09:04
880-30281-15	SW-23 (4.5')	Solid	06/30/23 00:00	07/03/23 09:04
880-30281-16	SW-24 (4.5')	Solid	06/30/23 00:00	07/03/23 09:04



880-30281 Chain of Custody

7/5/2023

Page 1 of 2

Project Manager	Connor Moehring	Bill to (if different)	Joseph Vargo
Company Name	Carmona Resources	Company Name	NGL Water Solutions Permian
Address	310 W Wall St Ste 500	Address	865 N Albino Street, Suite 400
City, State ZIP	Midland, TX 79701	City, State ZIP	Denver, CO 80220
Phone	(432) 813-6823	Email	Joseph.Vargo@nnglep.com

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

Project Name		Vaca Draw Federal SWD (12 09 22)		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes								
Project Number		1207		☐ Routine ☒ Rush			Parameters	BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 300.0																None NO DI Water H ₂ O							
Project Location		Lea Co NM		Due Date																				24 Hrs		Cool Cool MeOH Me					
Sampler's Name		CRM		Wet Ice																				Yes No		HCL HC HNO ₃ HN					
PO #:																								H ₂ SO ₄ H ₂ NaOH Na							
SAMPLE RECEIPT		Temp Blank.		Yes No		Wet Ice		Yes No																		H ₃ PO ₄ HP					
Received Intact:		Yes No		Thermometer ID																				NaHSO ₄ NABIS							
Cooler Custody Seals.		Yes No N/A		Correction Factor																				Na ₂ S ₂ O ₃ NaSO ₃							
Sample Custody Seals		Yes No N/A		Temperature Reading																				Zn Acetate+NaOH Zn							
Total Containers				Corrected Temperature.																				NaOH+Ascorbic Acid SAPC							
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont																		Sample Comments	
CS-13 (4 5')		6/30/2023				X				C		1		X X X																	
CS-14 (4 5')		6/30/2023				X				C		1		X X X																	
CS-15 (4 5')		6/30/2023				X				C		1		X X X																	
CS-16 (4 5')		6/30/2023				X				C		1		X X X																	
CS-17 (4 5')		6/30/2023				X				C		1		X X X																	
CS-18 (4 5')		6/30/2023				X				C		1		X X X																	
CS-19 (4 5')		6/30/2023				X				C		1		X X X																	
CS-20 (4 5')		6/30/2023				X				C		1		X X X																	
SW-17 (1 5')		6/30/2023				X				C		1		X X X																	
SW-18 (4.5')		6/30/2023				X				C		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
	7/3/23		7/3/23
			604

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

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

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

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-30281-1

SDG Number: Lea Co NM

Login Number: 30281

List Number: 1

Creator: Teel, Brianna

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	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").	True	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/5/2023 12:29:09 PM

JOB DESCRIPTION

Vaca Draw Federal SWD (12.09.22)
SDG NUMBER Lea Co TX

JOB NUMBER

880-30286-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



Generated
7/5/2023 12:29:09 PM

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

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Laboratory Job ID: 880-30286-1
SDG: Lea Co TX

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Definitions/Glossary

Client: Carmona Resources
 Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-30286-1
 SDG: Lea Co TX

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
S1-	Surrogate recovery exceeds control limits, low 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: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-30286-1
SDG: Lea Co TX

Job ID: 880-30286-1

Laboratory: Eurofins Midland

Narrative

**Job Narrative
880-30286-1**

Receipt

The sample was received on 7/3/2023 9:04 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.0°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: (880-30281-A-1-A MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-56816/20), (CCV 880-56816/5) and (LCS 880-56820/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The method blank for preparation batch 880-56820 and analytical batch 880-56816 contained Gasoline Range Organics (GRO)-C6-C10 and Oil Range Organics (Over C28-C36) 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

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-56826 and 880-56826 and analytical batch 880-56933 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: H-6 (0-0.5') (880-30286-1), (880-30273-A-5-B), (880-30273-A-5-C MS) and (880-30273-A-5-D 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: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-30286-1
SDG: Lea Co TX

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

Lab Sample ID: 880-30286-1

Date Collected: 06/30/23 00:00

Matrix: Solid

Date Received: 07/03/23 09:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/03/23 09:35	07/03/23 21:56	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/03/23 09:35	07/03/23 21:56	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/03/23 09:35	07/03/23 21:56	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		07/03/23 09:35	07/03/23 21:56	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/03/23 09:35	07/03/23 21:56	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		07/03/23 09:35	07/03/23 21:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130	07/03/23 09:35	07/03/23 21:56	1
1,4-Difluorobenzene (Surr)	74		70 - 130	07/03/23 09:35	07/03/23 21:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/03/23 16:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/03/23 09:15	07/03/23 15:52	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/03/23 09:15	07/03/23 15:52	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/03/23 09:15	07/03/23 15:52	1
Total TPH	<49.8	U	49.8		mg/Kg		07/03/23 09:15	07/03/23 15:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	07/03/23 09:15	07/03/23 15:52	1
o-Terphenyl	92		70 - 130	07/03/23 09:15	07/03/23 15:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24.3		5.00		mg/Kg			07/03/23 18:09	1

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-30286-1
SDG: Lea Co TX

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-30281-A-1-A MS	Matrix Spike	137 S1+	86
880-30281-A-1-B MSD	Matrix Spike Duplicate	128	89
880-30286-1	H-6 (0-0.5')	130	74
LCS 880-56843/1-A	Lab Control Sample	121	89
LCSD 880-56843/2-A	Lab Control Sample Dup	122	88
MB 880-56843/5-A	Method Blank	76	81
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-30253-A-11-G MS	Matrix Spike	85	86
880-30253-A-11-H MSD	Matrix Spike Duplicate	87	89
880-30286-1	H-6 (0-0.5')	91	92
LCS 880-56820/2-A	Lab Control Sample	66 S1-	74
LCSD 880-56820/3-A	Lab Control Sample Dup	79	90
MB 880-56820/1-A	Method Blank	110	120
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-30286-1
SDG: Lea Co TX

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-56843/5-A

Matrix: Solid

Analysis Batch: 56821

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56843

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/03/23 09:35	07/03/23 12:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/03/23 09:35	07/03/23 12:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/03/23 09:35	07/03/23 12:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/03/23 09:35	07/03/23 12:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/03/23 09:35	07/03/23 12:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/03/23 09:35	07/03/23 12:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130	07/03/23 09:35	07/03/23 12:08	1
1,4-Difluorobenzene (Surr)	81		70 - 130	07/03/23 09:35	07/03/23 12:08	1

Lab Sample ID: LCS 880-56843/1-A

Matrix: Solid

Analysis Batch: 56821

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 56843

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1263		mg/Kg		126	70 - 130
Toluene	0.100	0.1228		mg/Kg		123	70 - 130
Ethylbenzene	0.100	0.1155		mg/Kg		116	70 - 130
m-Xylene & p-Xylene	0.200	0.2249		mg/Kg		112	70 - 130
o-Xylene	0.100	0.1199		mg/Kg		120	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	121		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: LCSD 880-56843/2-A

Matrix: Solid

Analysis Batch: 56821

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 56843

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1271		mg/Kg		127	70 - 130	1	35
Toluene	0.100	0.1268		mg/Kg		127	70 - 130	3	35
Ethylbenzene	0.100	0.1223		mg/Kg		122	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.2381		mg/Kg		119	70 - 130	6	35
o-Xylene	0.100	0.1247		mg/Kg		125	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	122		70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

Lab Sample ID: 880-30281-A-1-A MS

Matrix: Solid

Analysis Batch: 56821

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 56843

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.0996	0.1113		mg/Kg		112	70 - 130
Toluene	<0.00202	U	0.0996	0.1052		mg/Kg		106	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-30286-1
SDG: Lea Co TX

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

Lab Sample ID: 880-30281-A-1-A MS

Matrix: Solid

Analysis Batch: 56821

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 56843

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00202	U	0.0996	0.09166		mg/Kg		92	70 - 130
m-Xylene & p-Xylene	<0.00403	U	0.199	0.1764		mg/Kg		89	70 - 130
o-Xylene	<0.00202	U	0.0996	0.08884		mg/Kg		89	70 - 130

Surrogate	MS %Recovery	MS Qualifier	MS Limits
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130
1,4-Difluorobenzene (Surr)	86		70 - 130

Lab Sample ID: 880-30281-A-1-B MSD

Matrix: Solid

Analysis Batch: 56821

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 56843

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	0.1227		mg/Kg		123	70 - 130	10	35
Toluene	<0.00202	U	0.0998	0.1141		mg/Kg		114	70 - 130	8	35
Ethylbenzene	<0.00202	U	0.0998	0.1040		mg/Kg		104	70 - 130	13	35
m-Xylene & p-Xylene	<0.00403	U	0.200	0.2022		mg/Kg		101	70 - 130	14	35
o-Xylene	<0.00202	U	0.0998	0.1049		mg/Kg		105	70 - 130	17	35

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
4-Bromofluorobenzene (Surr)	128		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

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

Lab Sample ID: MB 880-56820/1-A

Matrix: Solid

Analysis Batch: 56816

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56820

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/03/23 08:00	07/03/23 08:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/03/23 08:00	07/03/23 08:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/03/23 08:00	07/03/23 08:16	1
Total TPH	<50.0	U	50.0		mg/Kg		07/03/23 08:00	07/03/23 08:16	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	07/03/23 08:00	07/03/23 08:16	1
o-Terphenyl	120		70 - 130	07/03/23 08:00	07/03/23 08:16	1

Lab Sample ID: LCS 880-56820/2-A

Matrix: Solid

Analysis Batch: 56816

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 56820

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	820.5		mg/Kg		82	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-30286-1
SDG: Lea Co TX

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

Lab Sample ID: LCS 880-56820/2-A

Matrix: Solid

Analysis Batch: 56816

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 56820

Analyte				Spike	LCS	LCS				%Rec
				Added	Result	Qualifier	Unit	D	%Rec	Limits
Diesel Range Organics (Over C10-C28)				1000	895.9		mg/Kg		90	70 - 130
Surrogate	LCS		LCS							
	%Recovery	Qualifier	Limits							
1-Chlorooctane	66	S1-	70 - 130							
o-Terphenyl	74		70 - 130							

Lab Sample ID: LCSD 880-56820/3-A

Matrix: Solid

Analysis Batch: 56816

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 56820

			Spike	LCSD	LCSD				%Rec	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10			1000	821.8		mg/Kg		82	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	951.4		mg/Kg		95	70 - 130	6	20

Lab Sample ID: 880-30253-A-11-G MS

Matrix: Solid

Analysis Batch: 56816

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 56820

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	860.1		mg/Kg		84	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	997	825.6		mg/Kg		81	70 - 130		

Lab Sample ID: 880-30253-A-11-H MSD

Matrix: Solid

Analysis Batch: 56816

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 56820

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	894.3		mg/Kg		88	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	854.2		mg/Kg		84	70 - 130	3	20
					</						

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-30286-1
SDG: Lea Co TX

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-56826/1-A

Matrix: Solid

Analysis Batch: 56933

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			07/03/23 15:44	1

Lab Sample ID: LCS 880-56826/2-A

Matrix: Solid

Analysis Batch: 56933

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	242.0		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-56826/3-A

Matrix: Solid

Analysis Batch: 56933

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	242.2		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-30273-A-5-C MS

Matrix: Solid

Analysis Batch: 56933

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	967	F1	252	1148	F1	mg/Kg		72	90 - 110

Lab Sample ID: 880-30273-A-5-D MSD

Matrix: Solid

Analysis Batch: 56933

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	967	F1	252	1148	F1	mg/Kg		72	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-30286-1
SDG: Lea Co TX

GC VOA

Analysis Batch: 56821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30286-1	H-6 (0-0.5')	Total/NA	Solid	8021B	56843
MB 880-56843/5-A	Method Blank	Total/NA	Solid	8021B	56843
LCS 880-56843/1-A	Lab Control Sample	Total/NA	Solid	8021B	56843
LCSD 880-56843/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	56843
880-30281-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	56843
880-30281-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	56843

Prep Batch: 56843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30286-1	H-6 (0-0.5')	Total/NA	Solid	5035	
MB 880-56843/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-56843/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-56843/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-30281-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-30281-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 57002

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30286-1	H-6 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 56816

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30286-1	H-6 (0-0.5')	Total/NA	Solid	8015B NM	56820
MB 880-56820/1-A	Method Blank	Total/NA	Solid	8015B NM	56820
LCS 880-56820/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	56820
LCSD 880-56820/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	56820
880-30253-A-11-G MS	Matrix Spike	Total/NA	Solid	8015B NM	56820
880-30253-A-11-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	56820

Prep Batch: 56820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30286-1	H-6 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-56820/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-56820/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-56820/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-30253-A-11-G MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-30253-A-11-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 56926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30286-1	H-6 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 56826

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30286-1	H-6 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-56826/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-56826/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-56826/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-30286-1
SDG: Lea Co TX

HPLC/IC (Continued)

Leach Batch: 56826 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30273-A-5-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-30273-A-5-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 56933

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30286-1	H-6 (0-0.5')	Soluble	Solid	300.0	56826
MB 880-56826/1-A	Method Blank	Soluble	Solid	300.0	56826
LCS 880-56826/2-A	Lab Control Sample	Soluble	Solid	300.0	56826
LCSD 880-56826/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	56826
880-30273-A-5-C MS	Matrix Spike	Soluble	Solid	300.0	56826
880-30273-A-5-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	56826

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-30286-1
SDG: Lea Co TX

Client Sample ID: H-6 (0-0.5')
Date Collected: 06/30/23 00:00
Date Received: 07/03/23 09:04

Lab Sample ID: 880-30286-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	56843	07/03/23 09:35	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56821	07/03/23 21:56	SM	EET MID
Total/NA	Analysis	Total BTEX		1			57002	07/05/23 12:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			56926	07/03/23 16:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	56820	07/03/23 09:15	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56816	07/03/23 15:52	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	56826	07/03/23 11:00	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56933	07/03/23 18:09	SMC	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-30286-1
SDG: Lea Co TX

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)
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-30286-1
SDG: Lea Co TX

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: Vaca Draw Federal SWD (12.09.22)

Job ID: 880-30286-1
SDG: Lea Co TX

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-30286-1	H-6 (0-0.5')	Solid	06/30/23 00:00	07/03/23 09:04

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

Project Manager	Connor Moehring	Bill to. (if different)	Joseph Vargo
Company Name	Carmona Resources	Company Name	NGL Water Solutions Permian
Address	310 W Wall St Ste 500	Address	865 N Albino Street, Suite 400
City, State ZIP	Midland, TX 79701	City, State ZIP	Denver, CO 80220
Phone	(432) 813-6823	Email	Joseph.Vargo@nglep.com

880-30286 Chain of Custody					
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ Superfund ☐					
State of Project:					
Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐					
Deliverables EDD ☐ ADaPT ☐ Other ☐					

[illegible]

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

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

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-30286-1

SDG Number: Lea Co TX

Login Number: 30286

List Number: 1

Creator: Teel, Brianna

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	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").	True	

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 237143

CONDITIONS

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 237143
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Remediation has met 19.15.29 NMAC requirements. Soil impacts exceeding the reclamation standards have been left in place and are required to meet 19.15.29.13D (1) NMAC once the site is no longer reasonably needed for production or subsequent drilling operations.	9/29/2023