

Volume calculation was performed by looking at the line fill lost.



SITE INFORMATION

Closure Report
Berry 2 (11.27.2023)
Incident ID: NAPP2333829905
Lea County, New Mexico
Unit A Sec 22 T20S R34E
32.5637601°, -103.540771°

Point of Release:
Human error, release from filter pot
Release Date: 11.27.2023
Volume Released: 30 Barrels of Produced Water
Volume Recovered: 2 Barrels of Produced Water

CARMONA RESOURCES



Prepared for:
Delek Logistics Company
305 N. Washington
El Dorado, Arkansas 71730

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

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May 2, 2024

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

Re: Closure Report
Berry 2 (11.27.2023)
Incident ID: NAPP2333829905
Delek Logistics Companies
Site Location: Unit A, S22, T20S, R34E
(Lat 32.5637601°, Long -103.540771°)
Lea County, New Mexico

To whom it may concern:

On behalf of Delek Logistics Companies (Delek), Carmona Resources, LLC has prepared this letter to document site activities for the Berry 2 SWD. The site is located at 32.5637601°, -103.540771° within Unit A, S22, T20S, R34E, in Lea County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on November 27, 2023, caused by a human error at the filter pot. It resulted in approximately thirty (30) barrels of produced water with two (2) barrels of produced water recovered. The release originated on the Delek, Berry 2 SWD well pad and traveled north, terminating on the Cimarex Energy, Perry 22 Federal Com #001H well pad. The release was contained to both well pads. Refer to Figure 3 for a spill overview. The initial C-141 form is attached 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, two known water sources are within a 0.50-mile radius of the location. The nearest identified well was found to be a decommissioned well and windmill and is approximately 0.07 miles Northwest of the site in S22, T20S, R34E. On April 15, 2024, depth to water was gauged and measured to be at a depth of 128' below the ground surface (ft bgs). A copy of the associated photolog and documentation is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 2,500 mg/kg (GRO + DRO + MRO).
- TPH: 1,000 mg/kg (GRO + DRO).
- Chloride: 20,000 mg/kg.



4.0 Remediation Activities

Between December 2023 and March 2024, Delek dirt contractors began excavating chloride impact on both the Cimarex and Delek well pads. During this time, Cimarex and Delek communicated between each other, and Cimarex will be requiring Delek to remediate all areas affected from this release to comply with NMAC 19.15.29.13 so that there is no more impact and environmental liability left onsite. Per normal operation, Cimarex will reclaim and revegetate this affected area as well as the entire well pad during P/A operations.

Following these conversations, a formal closure extension and sampling variance was requested and approved by the NMOCD on April 15, 2024. A sampling frequency was requested to increase from one (1) 5-point composite sample every 200 square feet to every 500 square feet. See NMOCD correspondence in Appendix C.

Carmona Resources personnel were onsite to supervise the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via web portal on April 17, 2024, per Subsection D of 19.15.29.12 NMAC. See Appendix C. A total of one hundred five (105) confirmation floor samples (CS-1 through CS-105) and forty-three (43) sidewall samples (SW-1 through SW-43) were collected every 500 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 4A/4B/4C/4D.

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 to surface grade. Approximately 46,910 square feet and 3,804 cubic yards of material were excavated and transported offsite for proper disposal.

5.0 Conclusions

Based on the remediation results and the analytical data, no further actions are required at the site. The final C-141 is attached, and Delek formally requests 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

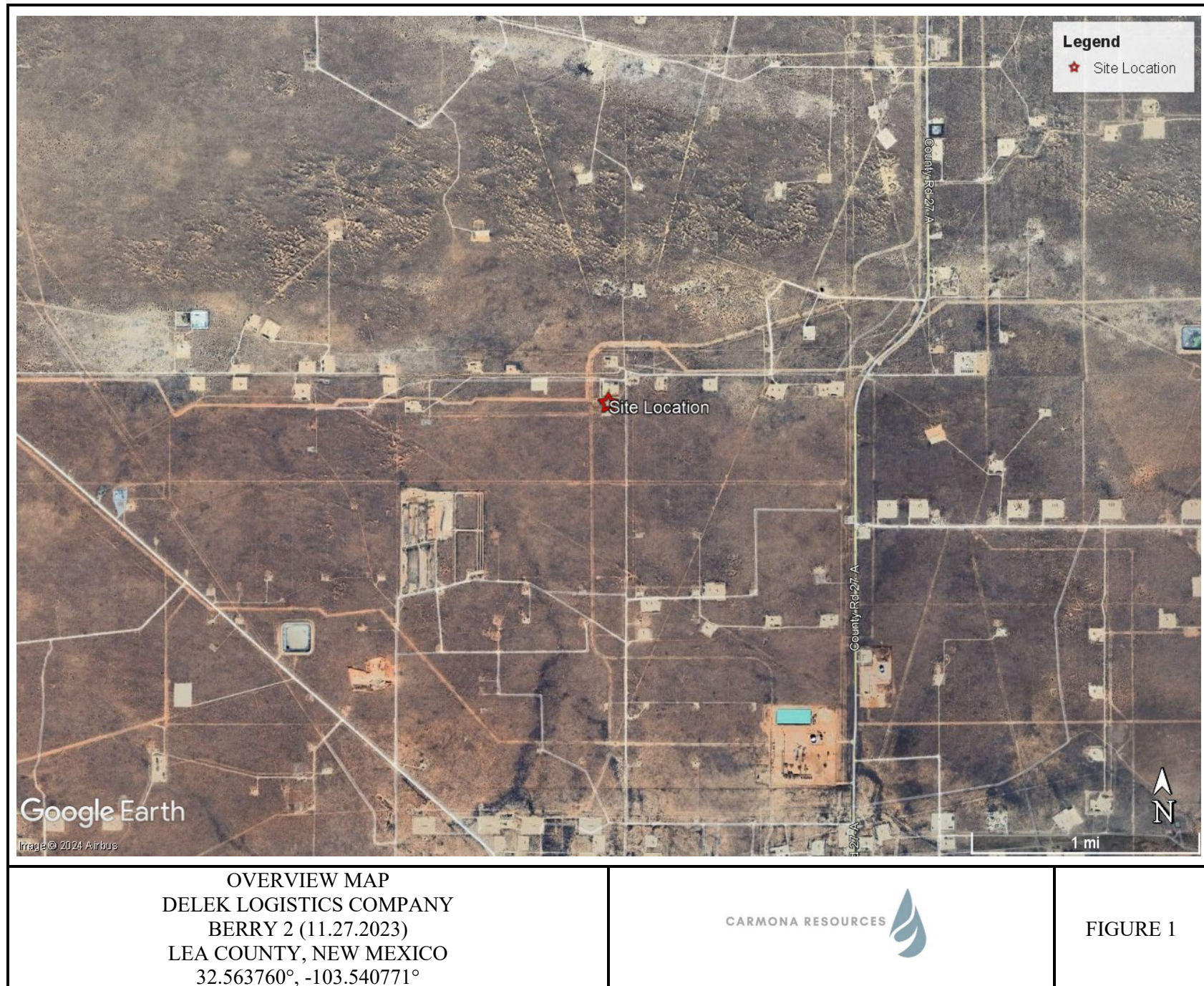
Ashton Thielke
Sr. Project Manager

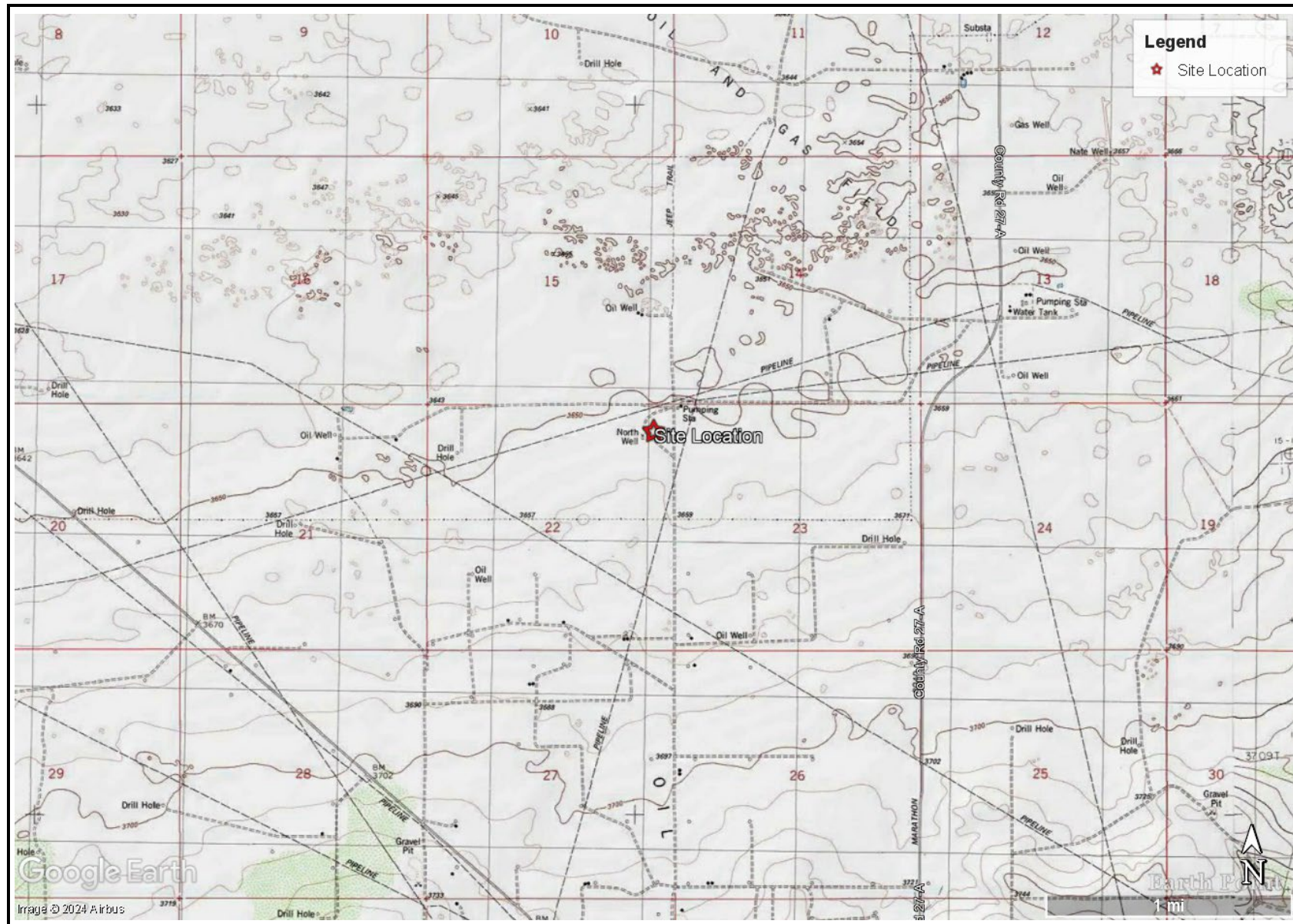
Gilbert Priego Jr.
Project Manager

FIGURES

CARMONA RESOURCES



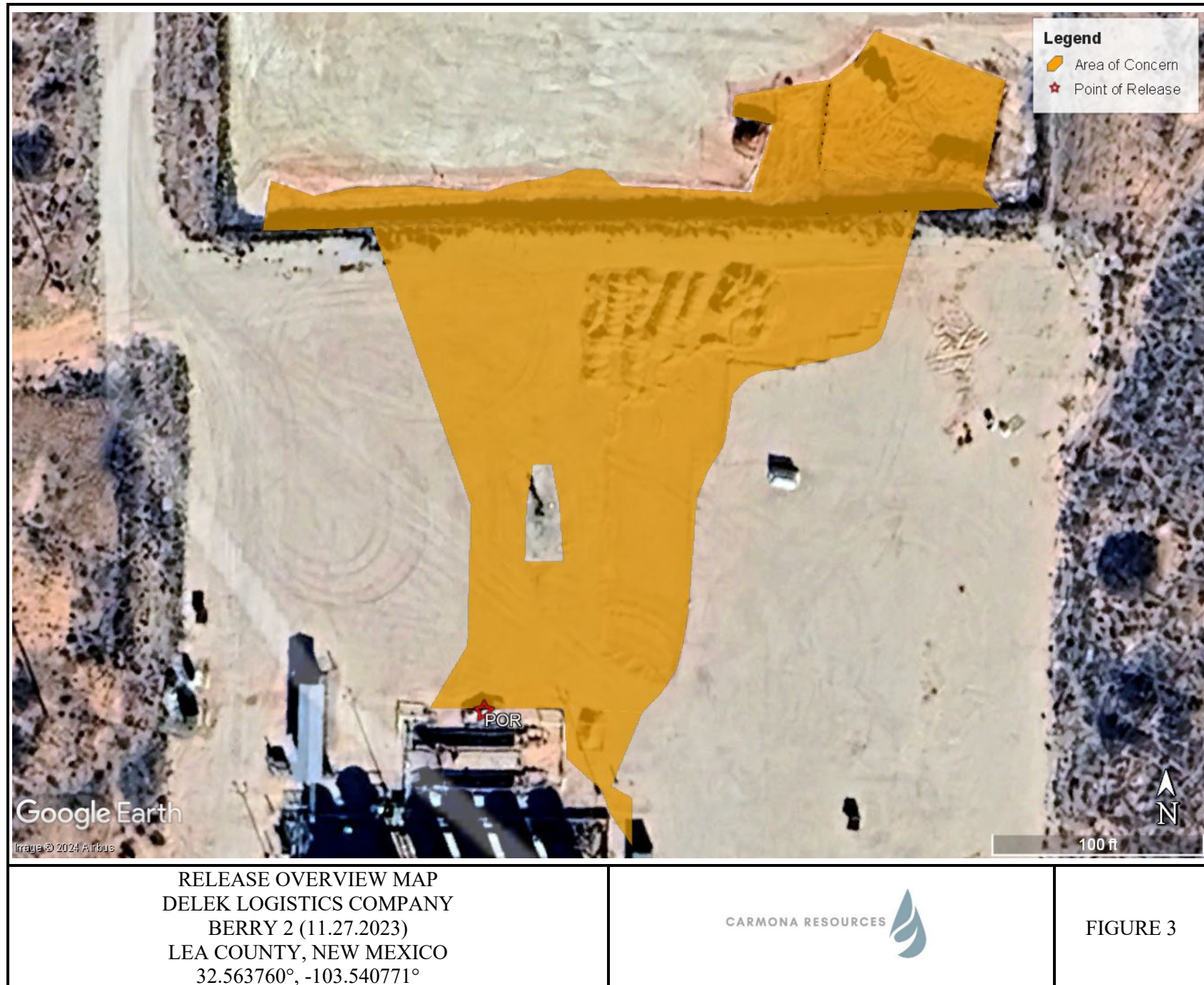


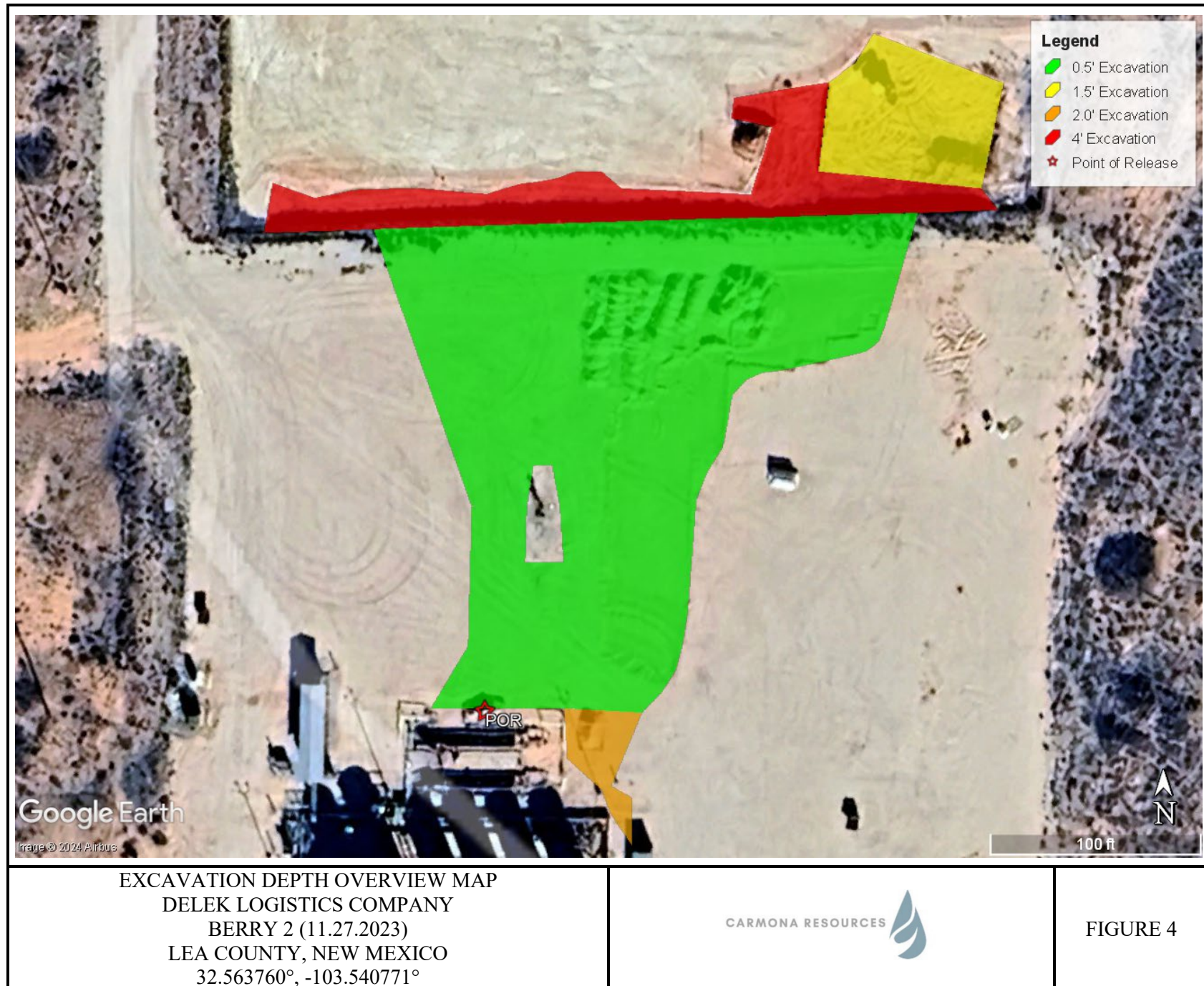


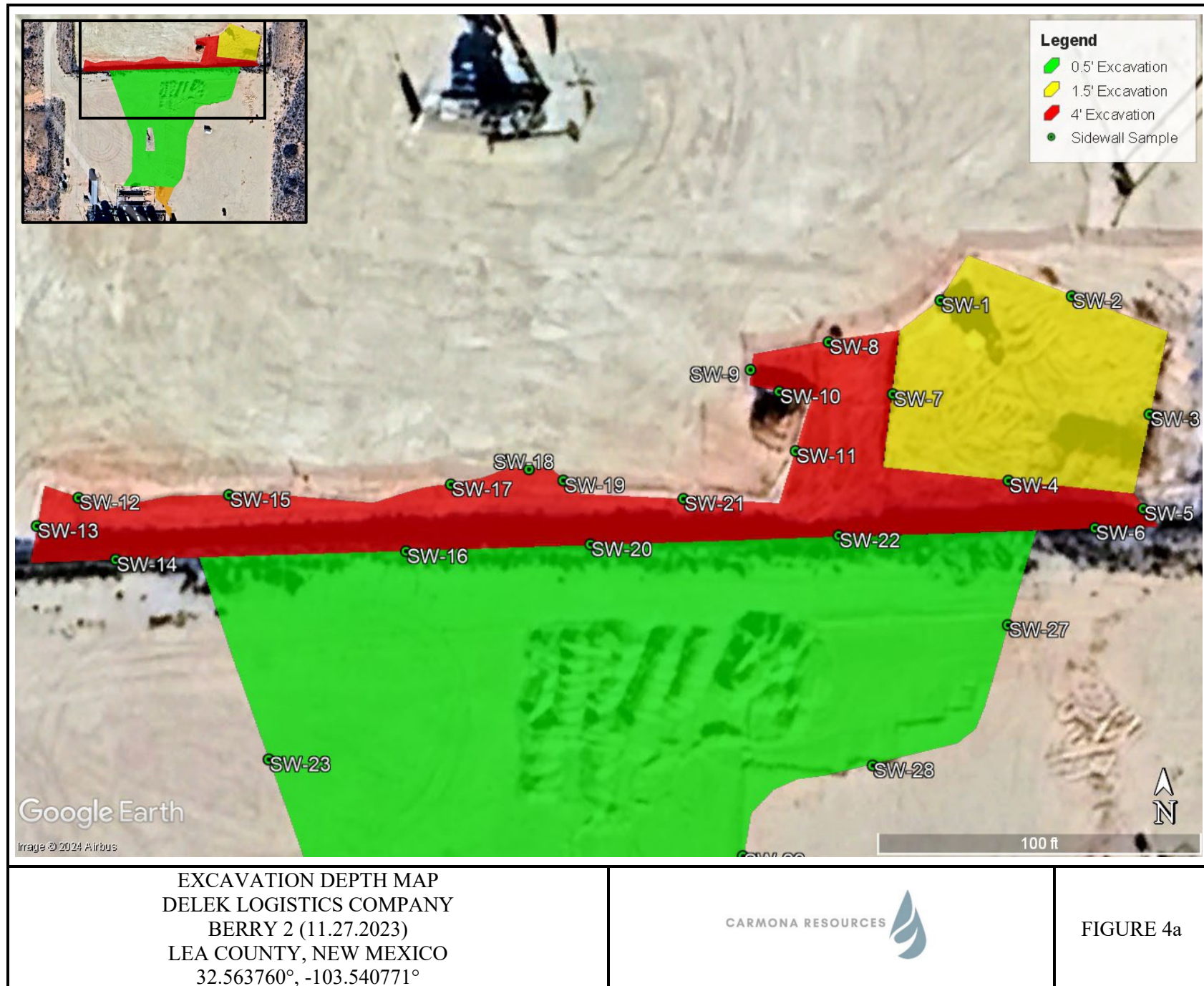
TOPOGRAPHIC MAP
DELEK LOGISTICS COMPANY
BERRY 2 (11.27.2023)
LEA COUNTY, NEW MEXICO
32.563760°, -103.540771°

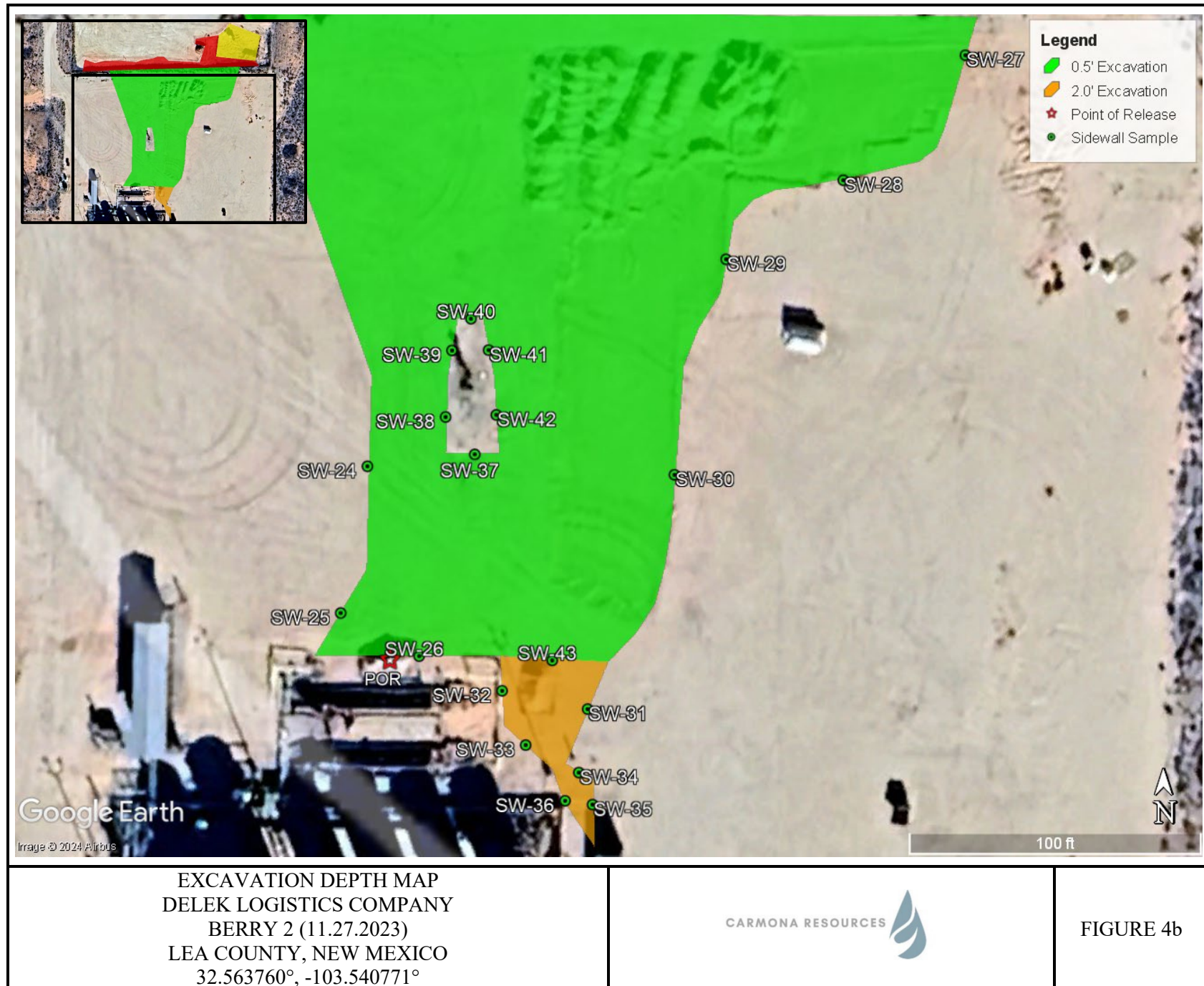


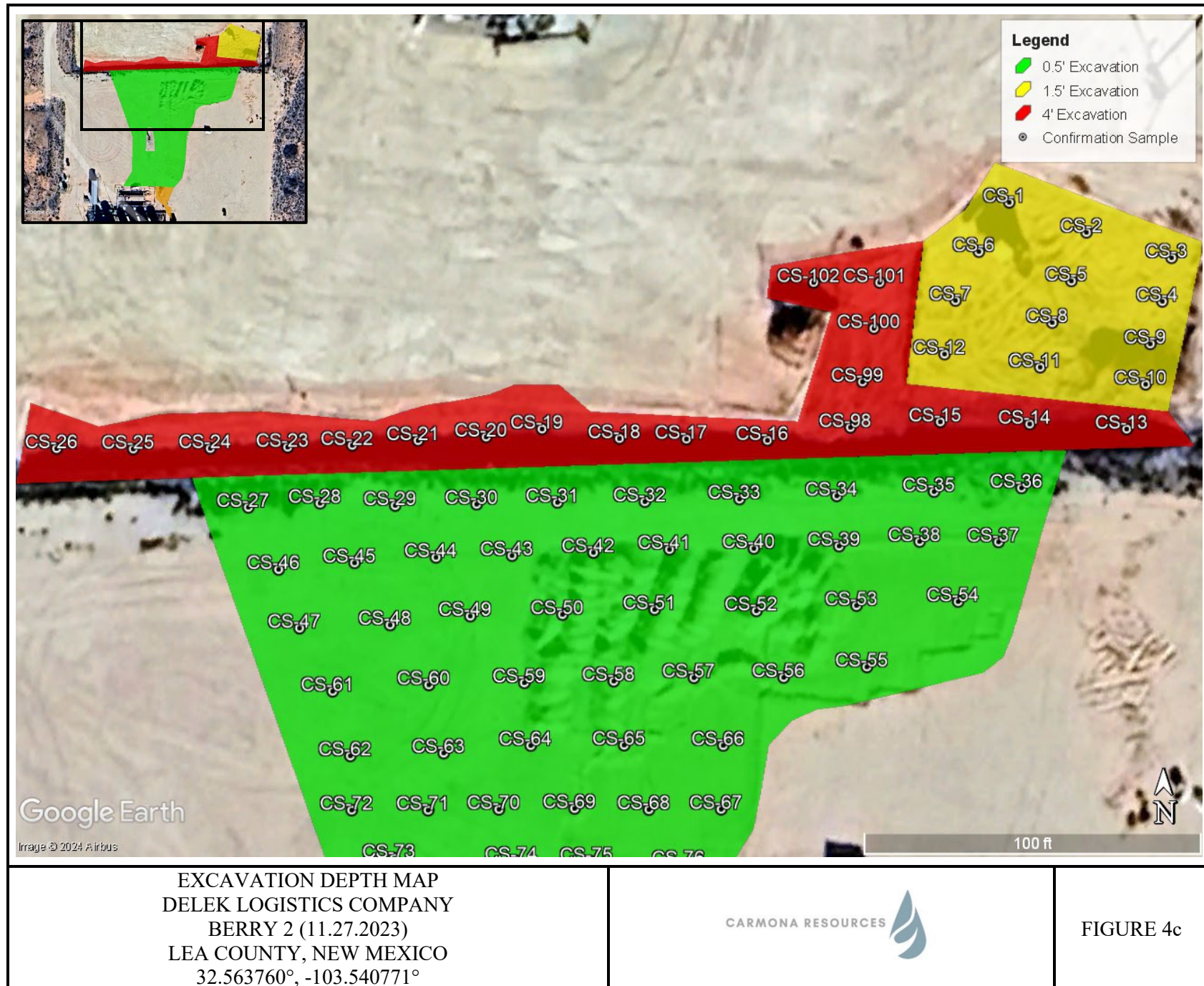
FIGURE 2

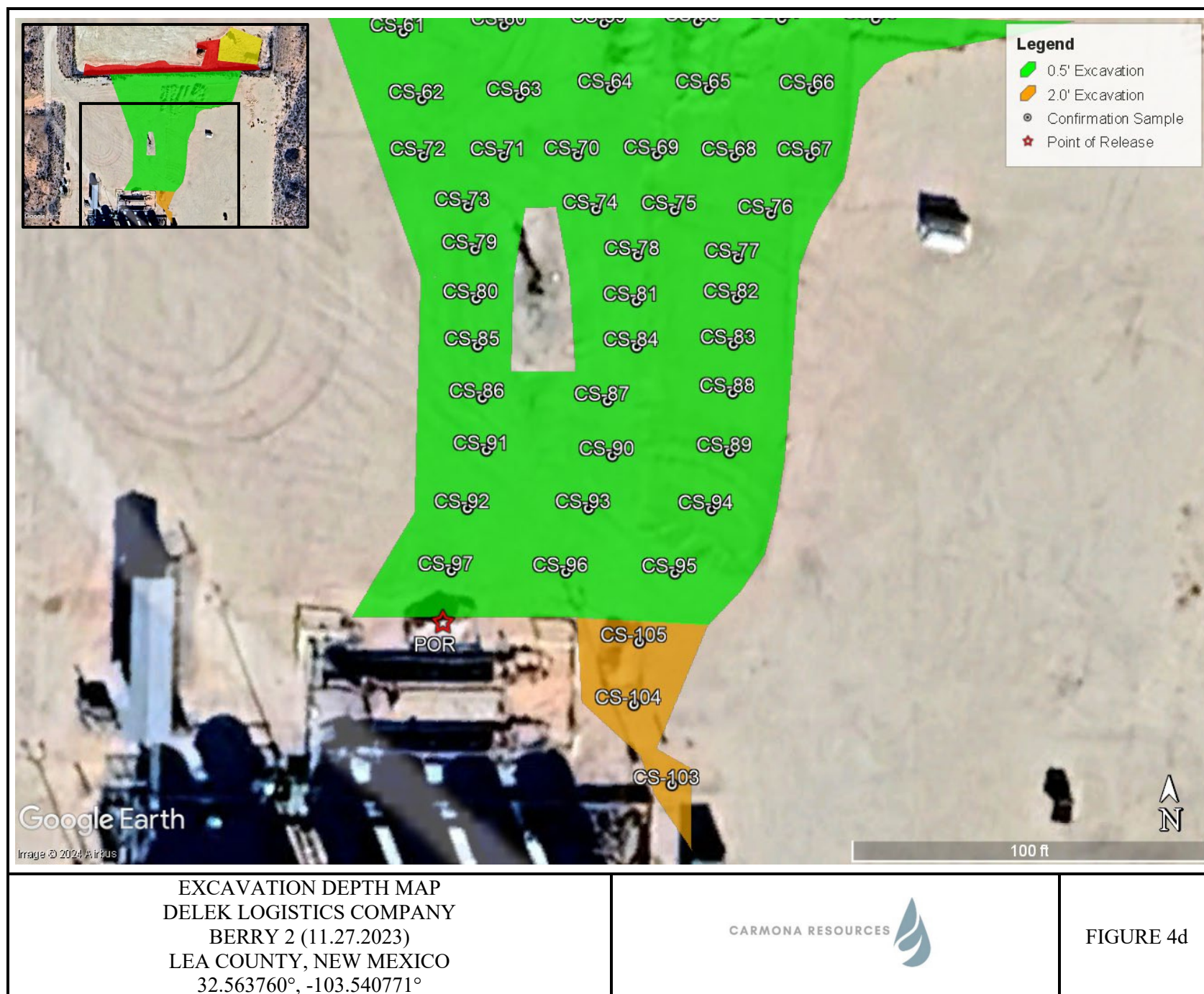












APPENDIX A

CARMONA RESOURCES



Table 1
Delek Logistics Companies
Berry 2 (11.27.2023)
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						
CS-1	4/19/2024	1.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	135
CS-2	4/19/2024	1.5	<50.3	<50.3	<50.3	<50.3	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	15.6
CS-3	4/19/2024	1.5	<50.1	<50.1	<50.1	<50.1	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	6.34
CS-4	4/19/2024	1.5	<50.4	<50.4	<50.4	<50.4	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	7.08
CS-5	4/19/2024	1.5	<50.5	<50.5	<50.5	<50.5	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	5.96
CS-6	4/19/2024	1.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	10.3
CS-7	4/19/2024	1.5	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	16.8
CS-8	4/19/2024	1.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	29.7
CS-9	4/19/2024	1.5	<50.4	<50.4	<50.4	<50.4	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	9.03
CS-10	4/19/2024	1.5	<50.5	<50.5	<50.5	<50.5	<0.00198	0.00331	<0.00198	0.00552	0.00883	8.40
CS-11	4/19/2024	1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	9.63
CS-12	4/19/2024	1.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	13.7
CS-13	4/19/2024	4.0	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	244
CS-14	4/19/2024	4.0	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	76.0
CS-15	4/19/2024	4.0	<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	314
CS-16	4/19/2024	4.0	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	227
CS-17	4/19/2024	4.0	<50.4	<50.4	<50.4	<50.4	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	150
CS-18	4/19/2024	4.0	<50.5	<50.5	<50.5	<50.5	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	1,820
CS-19	4/19/2024	4.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,030
CS-20	4/19/2024	4.0	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	1,520
CS-21	4/19/2024	4.0	<50.3	<50.3	<50.3	<50.3	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,040
CS-22	4/19/2024	4.0	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1,500
CS-23	4/19/2024	4.0	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	1,310
CS-24	4/19/2024	4.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	3,570
CS-25	4/19/2024	4.0	<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	3,170
CS-26	4/19/2024	4.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	162
CS-27	4/19/2024	0.5	<50.4	113	<50.4	113	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	4,150
CS-28	4/19/2024	0.5	<50.5	<50.5	<50.5	<50.5	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	1,830
CS-29	4/19/2024	0.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	0.00407	<0.00398	0.00407	2,110
CS-30	4/19/2024	0.5	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	65.1
Regulatory Criteria ^A			1,000 mg/kg		-	2,500 mg/kg	10 mg/kg	-	-	-	50 mg/kg	20,000 mg/kg

(-) Not Analyzed

^A - Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(CS) Confirmation Floor Sample

Table 1
Delek Logistics Companies
Berry 2 (11.27.2023)
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						
CS-31	4/19/2024	0.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	0.00411	0.00411	183
CS-32	4/19/2024	0.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	519
CS-33	4/19/2024	0.5	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	62.2
CS-34	4/19/2024	0.5	<50.3	<50.3	<50.3	<50.3	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	77.9
CS-35	4/19/2024	0.5	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	58.6
CS-36	4/19/2024	0.5	<50.4	<50.4	<50.4	<50.4	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	101
CS-37	4/19/2024	0.5	<50.5	<50.5	<50.5	<50.5	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	32.9
CS-38	4/19/2024	0.5	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	66.5
CS-39	4/19/2024	0.5	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	60.7
CS-40	4/19/2024	0.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	18.5
CS-41	4/19/2024	0.5	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	594
CS-42	4/19/2024	0.5	<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	959
CS-43	4/19/2024	0.5	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	933
CS-44	4/19/2024	0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	534
CS-45	4/19/2024	0.5	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	131
CS-46	4/19/2024	0.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	28.1
CS-47	4/19/2024	0.5	<50.3	<50.3	<50.3	<50.3	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	394
CS-48	4/19/2024	0.5	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	60.3
CS-49	4/19/2024	0.5	<50.4	<50.4	<50.4	<50.4	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	93.5
CS-50	4/19/2024	0.5	<50.5	<50.5	<50.5	<50.5	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	347
CS-51	4/19/2024	0.5	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1,270
CS-52	4/19/2024	0.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	494
CS-53	4/19/2024	0.5	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	678
CS-54	4/19/2024	0.5	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	395
CS-55	4/19/2024	0.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	924
CS-56	4/19/2024	0.5	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	894
CS-57	4/19/2024	0.5	<49.6	<49.6	<49.6	<49.6	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	389
CS-58	4/19/2024	0.5	<50.3	<50.3	<50.3	<50.3	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	190
CS-59	4/19/2024	0.5	<50.4	<50.4	<50.4	<50.4	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	887
CS-60	4/19/2024	0.5	<50.5	<50.5	<50.5	<50.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	299
Regulatory Criteria^A			1,000 mg/kg				10 mg/kg	-	-	-	50 mg/kg	20,000 mg/kg

(-) Not Analyzed

^A - Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(CS) Confirmation Floor Sample

Table 1
Delek Logistics Companies
Berry 2 (11.27.2023)
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						
CS-61	4/19/2024	0.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,250
CS-62	4/19/2024	0.5	<50.4	<50.4	<50.4	<50.4	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1,740
CS-63	4/19/2024	0.5	<50.5	<50.5	<50.5	<50.5	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	1,070
CS-64	4/19/2024	0.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	400
CS-65	4/19/2024	0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	145
CS-66	4/19/2024	0.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	42.5
CS-67	4/19/2024	0.5	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	85.3
CS-68	4/19/2024	0.5	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	117
CS-69	4/19/2024	0.5	<50.3	<50.3	<50.3	<50.3	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	146
CS-70	4/19/2024	0.5	<50.4	<50.4	<50.4	<50.4	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	242
CS-71	4/19/2024	0.5	<50.5	<50.5	<50.5	<50.5	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	362
CS-72	4/19/2024	0.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	662
CS-73	4/19/2024	0.5	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	760
CS-74	4/19/2024	0.5	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	374
CS-75	4/19/2024	0.5	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	340
CS-76	4/19/2024	0.5	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	54.7
CS-77	4/19/2024	0.5	<50.5	<50.5	<50.5	<50.5	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	181
CS-78	4/19/2024	0.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	65.7
CS-79	4/19/2024	0.5	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	93.1
CS-80	4/19/2024	0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	220
CS-81	4/19/2024	0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	181
CS-82	4/19/2024	0.5	<50.5	<50.5	<50.5	<50.5	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	353
CS-83	4/19/2024	0.5	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	851
CS-84	4/19/2024	0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	281
CS-85	4/19/2024	0.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	306
CS-86	4/19/2024	0.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	57.1
CS-87	4/19/2024	0.5	<50.3	<50.3	<50.3	<50.3	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	486
CS-88	4/19/2024	0.5	<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	136
CS-89	4/19/2024	0.5	<50.4	<50.4	<50.4	<50.4	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	244
CS-90	4/19/2024	0.5	<50.5	<50.5	<50.5	<50.5	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	972
Regulatory Criteria^A			1,000 mg/kg				10 mg/kg	-	-	-	50 mg/kg	20,000 mg/kg

(-) Not Analyzed

^A - Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(CS) Confirmation Floor Sample

Table 1
Delek Logistics Companies
Berry 2 (11.27.2023)
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						
CS-91	4/19/2024	0.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	188
CS-92	4/19/2024	0.5	<49.9	129	<49.9	129	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	344
CS-93	4/19/2024	0.5	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	626
CS-94	4/19/2024	0.5	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	65.3
CS-95	4/19/2024	0.5	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	2,690
CS-96	4/19/2024	0.5	<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	738
CS-97	4/19/2024	0.5	<50.3	<50.3	<50.3	<50.3	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	78.2
CS-98	4/22/2024	4.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	30.4
CS-99	4/22/2024	4.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	267
CS-100	4/22/2024	4.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	503
CS-101	4/22/2024	4.0	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	18.8
CS-102	4/22/2024	4.0	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	77.8
CS-103	4/23/2024	2.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	29.4
CS-104	4/23/2024	2.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	22.0
CS-105	4/23/2024	2.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	15.6
Regulatory Criteria ^A			1,000 mg/kg		-	2,500 mg/kg	10 mg/kg	-	-	-	50 mg/kg	20,000 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(CS) Confirmation Floor Sample

Table 1
Delek Logistics Companies
Berry 2 (11.27.2023)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-1	4/19/2024	1.5	<50.5	<50.5	<50.5	<50.5	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	7.00
SW-2	4/19/2024	1.5	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	<5.05
SW-3	4/19/2024	1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	15.7
SW-4	4/19/2024	2.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	74.2
SW-5	4/19/2024	4.0	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	99.3
SW-6	4/19/2024	4.0	<49.7	<49.7	<49.7	<49.7	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	131
SW-7	4/19/2024	2.5	<49.6	<49.6	<49.6	<49.6	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	71.6
SW-8	4/22/2024	4.0	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	94.8
SW-9	4/23/2024	4.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	110
SW-10	4/23/2024	4.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	230
SW-11	4/22/2024	4.0	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	153
SW-12	4/22/2024	4.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	54.3
SW-13	4/22/2024	4.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	12.6
SW-14	4/22/2024	4.0	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	18.7
SW-15	4/22/2024	4.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	20.4
SW-16	4/22/2024	4.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	26.0
SW-17	4/22/2024	4.0	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	52.4
SW-18	4/23/2024	4.0	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	94.7
SW-19	4/23/2024	4.0	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	136
SW-20	4/23/2024	3.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	83.1
SW-21	4/23/2024	4.0	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	207
SW-22	4/23/2024	3.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	15.5
SW-23	4/23/2024	0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	337
SW-24	4/23/2024	0.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	209
SW-25	4/23/2024	0.5	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	402
SW-26	4/23/2024	0.5	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	127
SW-27	4/23/2024	0.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	185
SW-28	4/23/2024	0.5	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	147
SW-29	4/23/2024	0.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	13.9
SW-30	4/23/2024	0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	125
Regulatory Criteria ^A			1,000 mg/kg		-	2,500 mg/kg	10 mg/kg	-	-	-	50 mg/kg	20,000 mg/kg
(-) Not Analyzed												

^A - Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(SW) Confirmation Sidewall Sample

Table 1
Delek Logistics Companies
Berry 2 (11.27.2023)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-31	4/23/2024	2.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	114
SW-32	4/23/2024	2.0	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	25.3
SW-33	4/23/2024	2.0	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	163
SW-34	4/23/2024	2.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	156
SW-35	4/23/2024	2.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	134
SW-36	4/23/2024	2.0	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	135
SW-37	4/23/2024	0.5	<49.9	99.4	<49.9	99.4	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	201
SW-38	4/23/2024	0.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	271
SW-39	4/23/2024	0.5	<49.7	52.6	<49.7	52.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	259
SW-40	4/23/2024	0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	73.5
SW-41	4/23/2024	0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	180
SW-42	4/23/2024	0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	167
SW-43	4/23/2024	1.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	58.6
Regulatory Criteria^A			1,000 mg/kg		-	2,500 mg/kg	10 mg/kg	-	-	-	50 mg/kg	20,000 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(SW) Confirmation Sidewall Sample

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Delek Logistics Company

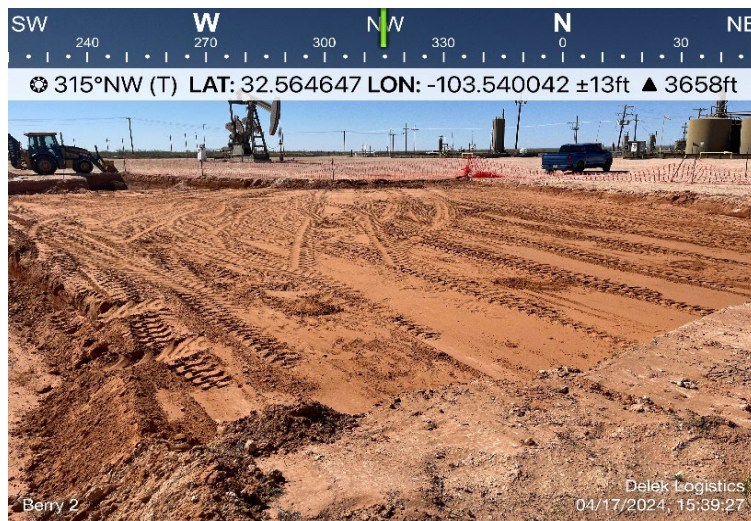
Photograph No. 1

Facility: Berry 2 (11.27.2023)

County: Lea County, New Mexico

Description:

View Northwest, area of CS-1 through CS-12.



Photograph No. 2

Facility: Berry 2 (11.27.2023)

County: Lea County, New Mexico

Description:

View Southeast, area of CS-13 through CS-15.



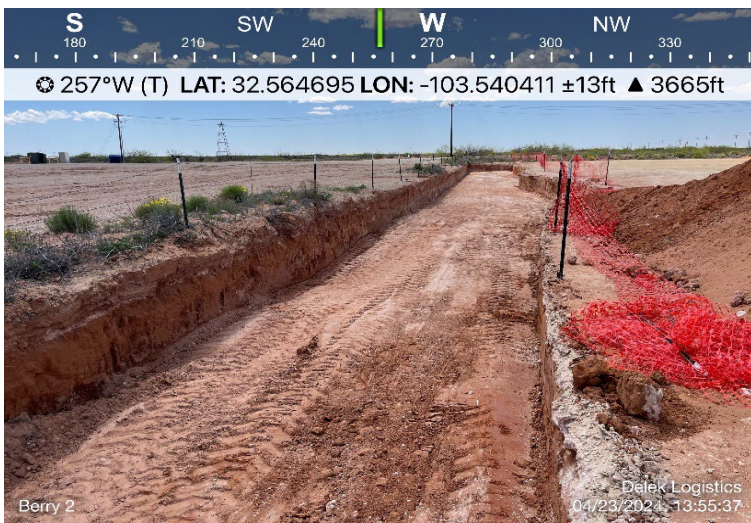
Photograph No. 3

Facility: Berry 2 (11.27.2023)

County: Lea County, New Mexico

Description:

View West, area of CS-16 through CS-26.



PHOTOGRAPHIC LOG

Delek Logistics Company

Photograph No. 4

Facility: Berry 2 (11.27.2023)

County: Lea County, New Mexico

Description:

View East, area of CS-16 through CS-26.



Photograph No. 5

Facility: Berry 2 (11.27.2023)

County: Lea County, New Mexico

Description:

View Southeast, area of CS-27 through CS-76.



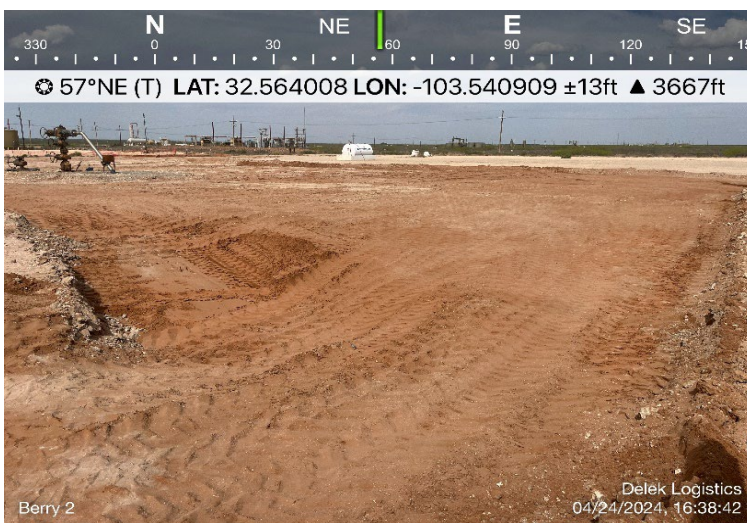
Photograph No. 6

Facility: Berry 2 (11.27.2023)

County: Lea County, New Mexico

Description:

View Northeast, area of CS-77 through CS-97.



PHOTOGRAPHIC LOG

Delek Logistics Company

Photograph No. 7

Facility: Berry 2 (11.27.2023)

County: Lea County, New Mexico

Description:

View Northeast, area of CS-98 through CS-101.



Photograph No. 8

Facility: Berry 2 (11.27.2023)

County: Lea County, New Mexico

Description:

View East, area of CS-100 through CS-102.



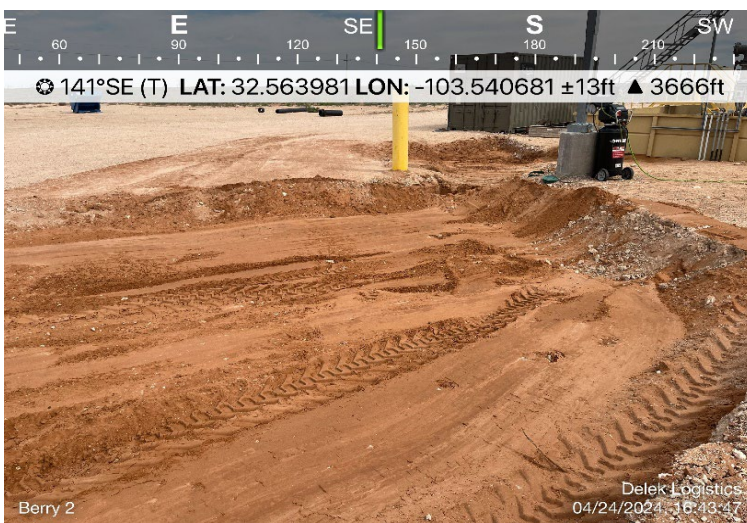
Photograph No. 9

Facility: Berry 2 (11.27.2023)

County: Lea County, New Mexico

Description:

View Southeast, area of CS-103 through CS-105.



APPENDIX C

CARMONA RESOURCES



District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 290573

QUESTIONS

Operator: DKL Energy - Cottonwood, LLC 7102 Commerce Way Brentwood, TN 37027	OGRID: 330291
	Action Number: 290573
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source <i>Please answer all the questions in this group.</i>	
Site Name	Berry 2
Date Release Discovered	11/27/2023
Surface Owner	Private

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

Nature and Volume of Release <i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Human Error Other (Specify) Produced Water Released: 30 BBL Recovered: 2 BBL Lost: 28 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Release from filter pot

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

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

QUESTIONS, Page 2

Action 290573

QUESTIONS (continued)

Operator: DKL Energy - Cottonwood, LLC 7102 Commerce Way Brentwood, TN 37027	OGRID: 330291
	Action Number: 290573
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

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

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
Per Paragraph 4 of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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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

ACKNOWLEDGMENTS

Action 290573

ACKNOWLEDGMENTS

Operator: DKL Energy - Cottonwood, LLC 7102 Commerce Way Brentwood, TN 37027	OGRID: 330291
	Action Number: 290573
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

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

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CONDITIONS

Action 290573

CONDITIONS

Operator: DKL Energy - Cottonwood, LLC 7102 Commerce Way Brentwood, TN 37027	OGRID: 330291
	Action Number: 290573
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
cassiewhitefield	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	12/4/2023

Ashton Thielke

From: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Sent: Monday, April 15, 2024 2:40 PM
To: Ashton Thielke
Cc: cassie.whitefield@deleklogistics.com
Subject: Re: [EXTERNAL] napp2333829905 - Berry 2 (11.27.2023) - Sampling Variance (19.15.29.12.5.D.1.C) & 45 Day Extension Request

Good afternoon Ashton,

Your request to increase the sampling frequency from 200 to 500 square feet for one (1) 5-point composite sample is approved.

The time extension is past due as of 02/26/2024. OCD will grant your request from today's date (due date: June 3, 2024). Please request prior to the expiration date in the future.

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: Ashton Thielke <ThielkeA@carmonaresources.com>
Sent: Monday, April 15, 2024 9:14 AM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Cc: cassie.whitefield@deleklogistics.com <Cassie.Whitefield@deleklogistics.com>
Subject: [EXTERNAL] napp2333829905 - Berry 2 (11.27.2023) - Sampling Variance (19.15.29.12.5.D.1.C) & 45 Day Extension Request

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

Good morning Mr. Velez,

On behalf of DKL Energy (Delek), we are requesting a variance to NMAC 19.15.29.12.D.1.C for the above mentioned NMOCD incident #.

Delek is requesting a confirmation sampling variance from 200 square feet to 500 square feet composite samples. The above-mentioned site is almost completely dug out and the NMOCD will be notified via web portal for final sampling in the next few days.

Attached is groundwater & site characterization research for the above-mentioned site as well as an excavation map to date. The excavated footprint is approximately 48,500 square feet.

This site has a nearby windmill, drilled in the 1930's that has since been decommission but, access to the windmill was obtained and gauged today, April 15, 2024. Water was measured at a depth of 128'. (130' depth to water from top of casing, top of casing 2' above ground surface)

This site is also not near any subsurface mines, any flood plains, any lakes, ponds, playas, any residences or household water wells, and is within a low karst area.

Delek believes that the approval of this sampling variance would not negatively affect the environment, fresh water or public health in anyway.

Delek also is requesting a 45-day extension and is confident the excavation will be completed, confirmation samples will be collected, and a final closure report will be submitted by May 30, 2024.

Please call me if you have any questions.

Thanks!

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

CARMONA RESOURCES



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QUESTIONS

Action 334605

QUESTIONS

Operator: DKL Energy - Cottonwood, LLC 310 Seven Springs Way Suite 50 Brentwood, TN 37027	OGRID: 330291
	Action Number: 334605
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2333829905
Incident Name	NAPP2333829905 BERRY 2 @ 0
Incident Type	Produced Water Release
Incident Status	Notification Accepted

Location of Release Source	
Site Name	BERRY 2
Date Release Discovered	11/27/2023
Surface Owner	Private

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	46,552
What is the estimated number of samples that will be gathered	100
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/19/2024
Time sampling will commence	03:36 PM
Please provide any information necessary for observers to contact samplers	Sampler contact- Gilbert Priego 432-813-7389 or Ashton Thielke 432-813-8988
Please provide any information necessary for navigation to sampling site	(32.563759, -103. 540774) 500 square foot sample variance approved on 4/15/24 due to large amount of samples to be collected. Carmona resources will be onsite from 4/19-4/23/24 to collect confirmation samples.

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CONDITIONS

Action 334605

CONDITIONS

Operator: DKL Energy - Cottonwood, LLC 310 Seven Springs Way Suite 50 Brentwood, TN 37027	OGRID: 330291
	Action Number: 334605
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
cassiewhitefield	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	4/17/2024

APPENDIX D

CARMONA RESOURCES

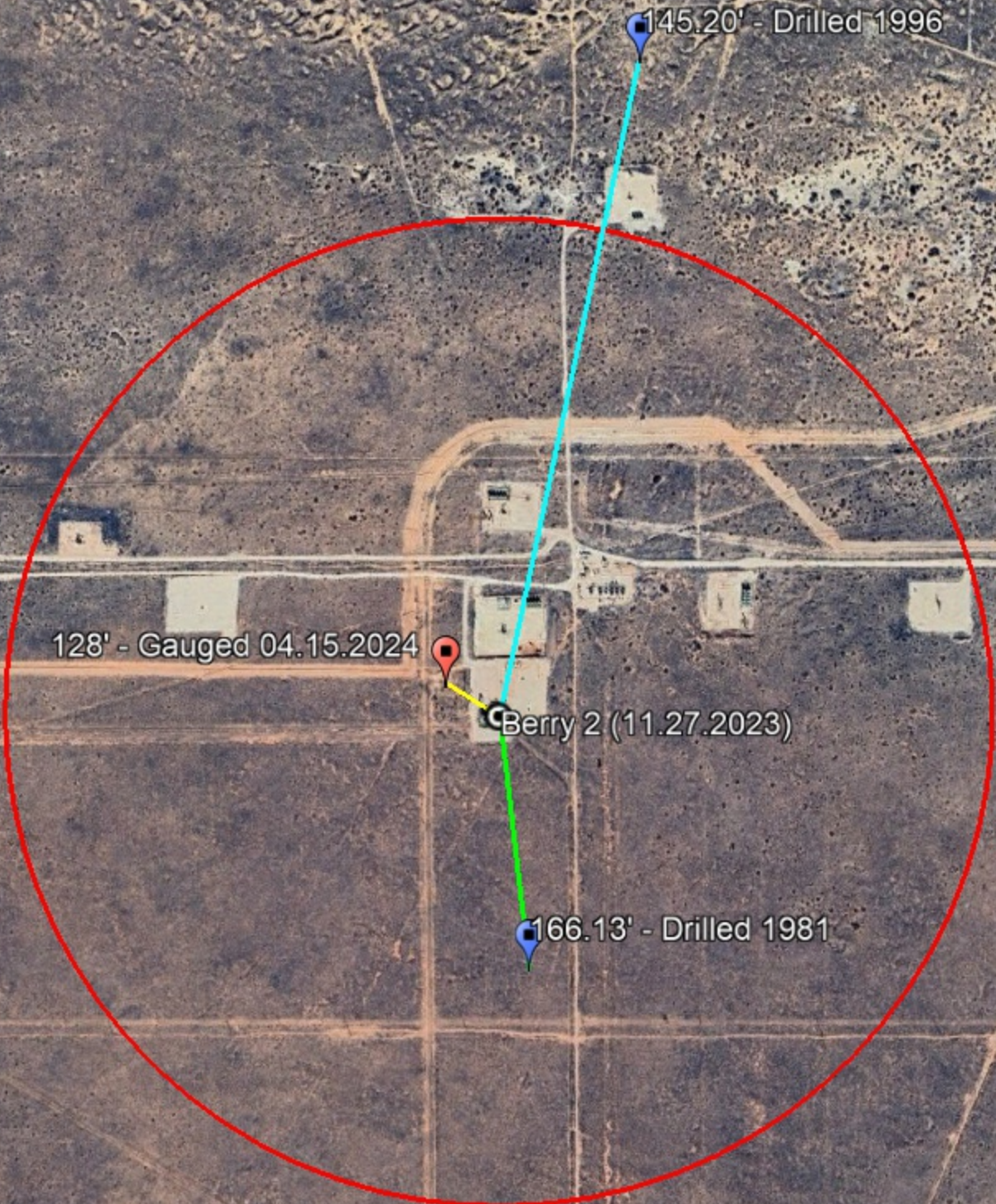


Nearest water well

DKL Energy - Cottonwood, LLC

Legend

- 0.07 Miles
- 0.26 Miles
- 0.50 Mile Radius
- 0.68 Miles
- Berry 2 (11.27.2023)
- NMSEO Water Well
- USGS Water Well



Low Karst

DKL Energy - Cottonwood, LLC

Legend

- Berry 2 (11.27.2023)
- Low

Berry 2 (11.27.2023)





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 00800 POD1	CP	LE		2	2	2	22	20S	34E	637007	3603994*	129	220		
CP 00655 POD1	CP	LE			3	1	14	20S	34E	637294	3605108*	1279	210		
CP 01204 POD1	CP	LE		3	1	1	25	20S	34E	638755	3602250	2394	370		
CP 00665	CP	LE			1	4	24	20S	34E	639740	3603128*	2849	698	270	428
CP 01389 POD1	CP	LE		1	1	1	34	20S	34E	635726	3600733	3377	1250	1005	245
CP 01867 POD3	CP	LE		1	2	4	20	20S	34E	633580	3603242	3464	220		
CP 01867 POD1	CP	LE		1	2	4	20	20S	34E	633584	3603189	3470	200		
CP 01330 POD1	CP	LE		4	2	1	34	20S	34E	636197	3600483	3473	1349	684	665
CP 01867 POD4	CP	LE		1	2	4	20	20S	34E	633513	3603245	3530	220		
CP 01867 POD2	CP	LE		1	2	4	20	20S	34E	633513	3603189	3540	200		
CP 01289 POD1	CP	LE		4	4	2	34	20S	34E	637037	3600261	3604	1222	651	571
CP 01288 POD1	CP	LE		4	4	2	34	20S	34E	637134	3600204	3664	1255	758	497
CP 00654 POD1	CP	LE			4	4	12	20S	34E	640103	3605947*	3746	60		
CP 00656 POD1	CP	LE		4	4	4	04	20S	34E	635342	3607391*	3890	225		

Average Depth to Water: **673 feet**

Minimum Depth: **270 feet**

Maximum Depth: **1005 feet**

Record Count: 14

UTMNAD83 Radius Search (in meters):

Easting (X): 636988

Northing (Y): 3603866

Radius: 4000

*UTM location was derived from PLSS - see Help

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

4/15/24 8:13 AM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER

PHOTOGRAPHIC LOG

Cimarex Energy Co.

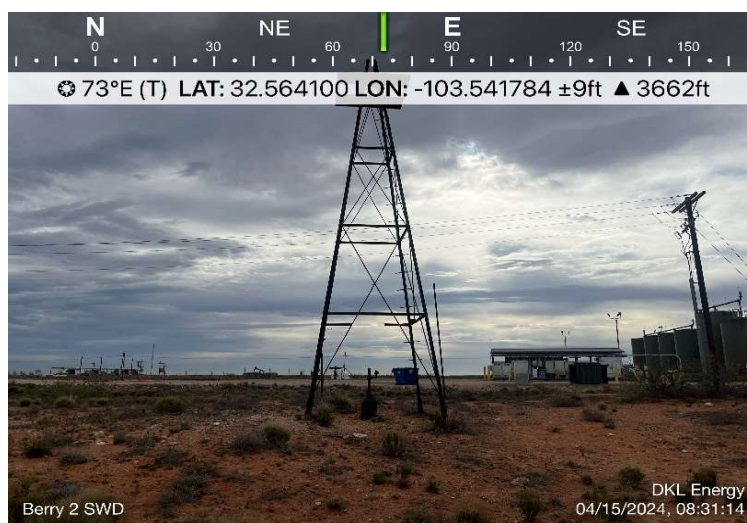
Photograph No. 1

Facility: Berry 2 (11.27.2023)

County: Lea County, New Mexico

Description:

View East, Disconnected Windmill.



Photograph No. 2

Facility: Berry 2 (11.27.2023)

County: Lea County, New Mexico

Description:

View Northeast, Groundwater Measuring Probe.



Photograph No. 3

Facility: Berry 2 (11.27.2023)

County: Lea County, New Mexico

Description:

View North, Measurement of Water in Well.



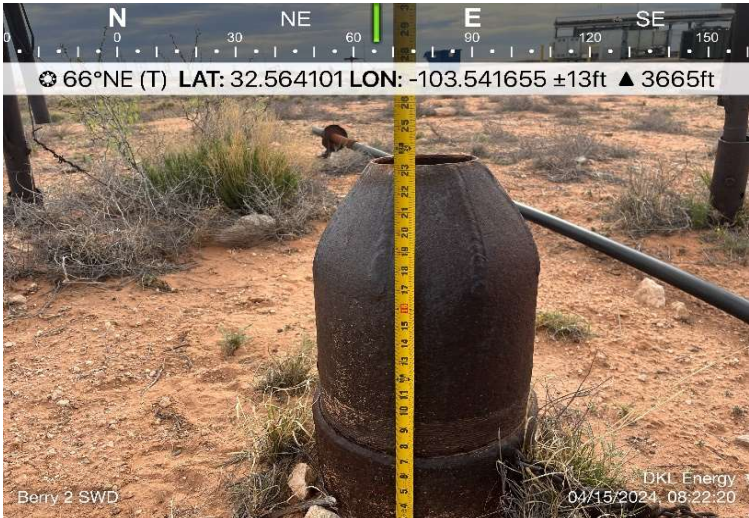
PHOTOGRAPHIC LOG
Cimarex Energy Co.

Photograph No. 4

Facility: Berry 2 (11.27.2023)

County: Lea County, New Mexico

Description:
View Northeast, Measurement of Casing Height Above
Ground Surface.



Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? S
				Groundwater	New Mexico	GO	

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- [Full News](#) 

Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 323336103322501

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

USGS 323336103322501 20S.34E.22.222333

Lea County, New Mexico
Latitude 32°33'36", Longitude 103°32'25" NAD27
Land-surface elevation 3,663 feet above NAVD88
The depth of the well is 250 feet below land surface.
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 (measur
1965-11-17			D 62610		3483.69	NGVD29	P		Z	
1965-11-17			D 62611		3485.25	NAVD88	P		Z	
1965-11-17			D 72019	177.75			P		Z	
1966-03-02			D 62610		3491.87	NGVD29	P		Z	
1966-03-02			D 62611		3493.43	NAVD88	P		Z	
1966-03-02			D 72019	169.57			P		Z	
1968-03-21			D 62610		3494.74	NGVD29	1		Z	
1968-03-21			D 62611		3496.30	NAVD88	1		Z	
1968-03-21			D 72019	166.70			1		Z	
1971-02-03			D 62610		3446.46	NGVD29	P		Z	
1971-02-03			D 62611		3448.02	NAVD88	P		Z	
1971-02-03			D 72019	214.98			P		Z	
1972-10-02			D 62610		3464.95	NGVD29	P		Z	
1972-10-02			D 62611		3466.51	NAVD88	P		Z	

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? S
1972-10-02	D	72019	196.49		P	Z	
1981-02-26	D	62610	3495.31	NGVD29	P	Z	
1981-02-26	D	62611	3496.87	NAVD88	P	Z	
1981-02-26	D	72019	166.13		P	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
Status	P	Pumping
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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0.31 0.25 nadww02

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? S
				Groundwater	New Mexico	GO	

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Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 323409103321301

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

USGS 323409103321301 20S.34E.14.13343

Lea County, New Mexico
Latitude 32°34'24", Longitude 103°32'18" NAD27
Land-surface elevation 3,648.00 feet above NGVD29
The depth of the well is 230 feet below land surface.
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 of measur
1968-03-21			D 62610		3495.16	NGVD29	1		Z	
1968-03-21			D 62611		3496.72	NAVD88	1		Z	
1968-03-21			D 72019	152.84			1		Z	
1971-02-03			D 62610		3496.00	NGVD29	1		Z	
1971-02-03			D 62611		3497.56	NAVD88	1		Z	
1971-02-03			D 72019	152.00			1		Z	
1972-10-02			D 62610		3457.78	NGVD29	P		Z	
1972-10-02			D 62611		3459.34	NAVD88	P		Z	
1972-10-02			D 72019	190.22			P		Z	
1976-02-20			D 62610		3492.97	NGVD29	1		Z	
1976-02-20			D 62611		3494.53	NAVD88	1		Z	
1976-02-20			D 72019	155.03			1		Z	
1981-02-26			D 62610		3492.64	NGVD29	P		Z	
1981-02-26			D 62611		3494.20	NAVD88	P		Z	

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	Status
1981-02-26	D	72019	155.36		P	Z	
1986-04-01	D	62610	3495.99	NGVD29	1	Z	
1986-04-01	D	62611	3497.55	NAVD88	1	Z	
1986-04-01	D	72019	152.01		1	Z	
1996-02-02	D	62610	3502.80	NGVD29	1	S	
1996-02-02	D	62611	3504.36	NAVD88	1	S	
1996-02-02	D	72019	145.20		1	S	

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
Status	P	Pumping
Method of measurement	S	Steel-tape measurement.
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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0.3 0.26 nadww01

FEMA National Flood Hazard Layer (NFHL)



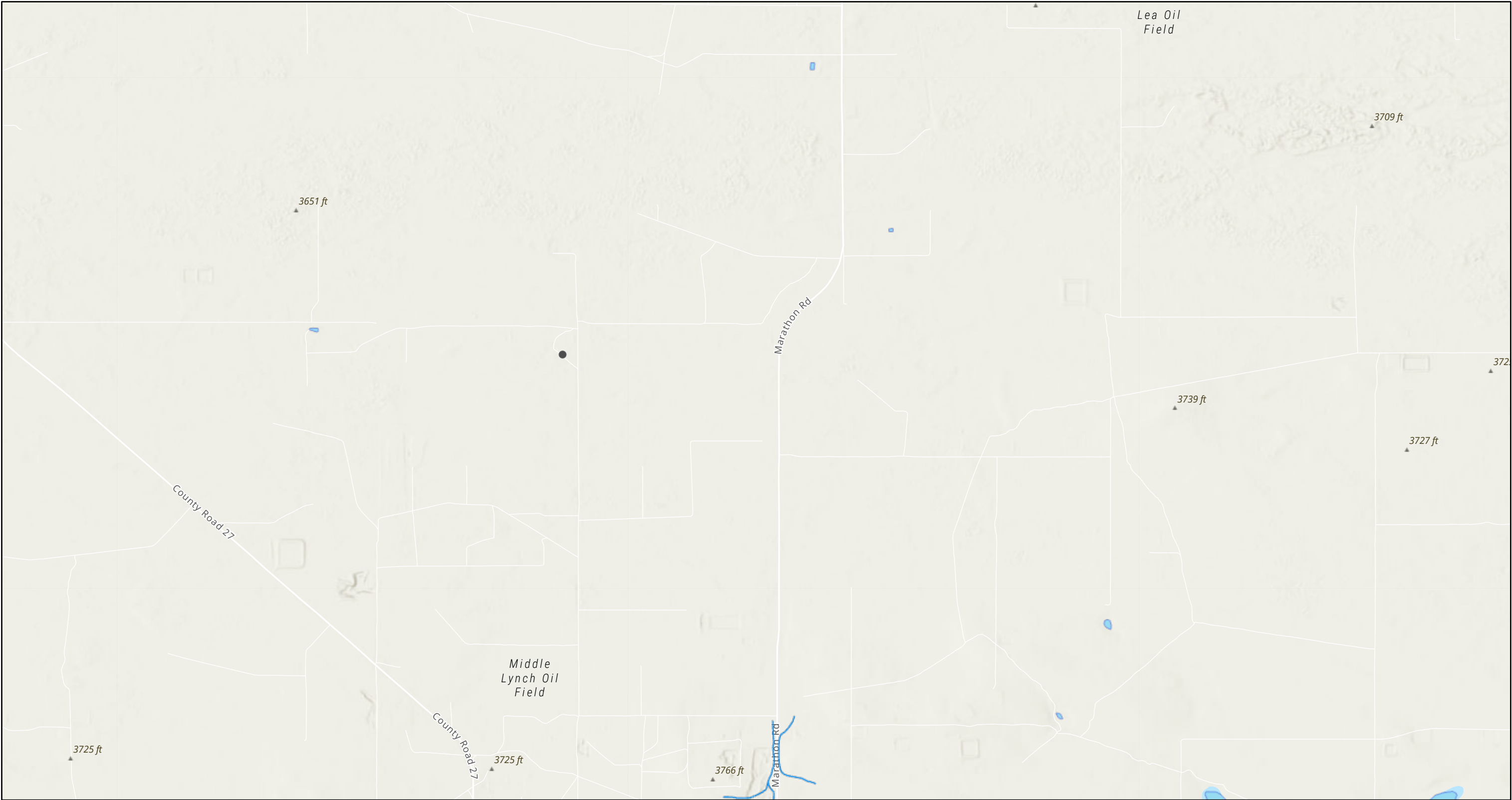
Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, EPA, USDA

FEMA National Flood Hazard Layer (NFHL)



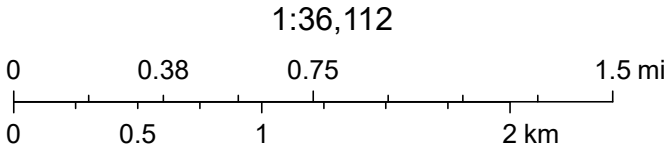
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Berry 2 (11.27.2023)



4/15/2024, 7:19:02 AM

- OSW Water Bodys
- OSE Streams



Esri, NASA, NGA, USGS, FEMA, Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS, NM OSE

APPENDIX E

CARMONA RESOURCES





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/23/2024 3:13:09 PM

JOB DESCRIPTION

Berry 2 SWD (11.27.2023)
Lea County, NM

JOB NUMBER

880-42494-1

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
4/23/2024 3:13:09 PM

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

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Laboratory Job ID: 880-42494-1
SDG: Lea County, NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
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
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
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
B	Compound was found in the blank and sample.
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

Definitions/Glossary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Glossary (Continued)

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

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Case Narrative

Client: Carmona Resources
Project: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1

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Eurofins Midland

Job Narrative
880-42494-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

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

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

Receipt

The samples were received on 4/19/2024 3:34 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 1.2°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS-1 (1.5") (880-42494-1), CS-2 (1.5") (880-42494-2), CS-3 (1.5") (880-42494-3), CS-4 (1.5") (880-42494-4), CS-5 (1.5") (880-42494-5), CS-6 (1.5") (880-42494-6), CS-7 (1.5") (880-42494-7), CS-8 (1.5") (880-42494-8), CS-9 (1.5") (880-42494-9), CS-10 (1.5") (880-42494-10), CS-11 (1.5") (880-42494-11), CS-12 (1.5") (880-42494-12), CS-13 (4.0") (880-42494-13), CS-14 (4.0") (880-42494-14), CS-15 (4.0") (880-42494-15), CS-16 (4.0") (880-42494-16), CS-17 (4.0") (880-42494-17), CS-18 (4.0") (880-42494-18), CS-19 (4.0") (880-42494-19), CS-20 (4.0") (880-42494-20), CS-21 (4.0") (880-42494-21), CS-22 (4.0") (880-42494-22), CS-23 (4.0") (880-42494-23), CS-24 (4.0") (880-42494-24), CS-25 (4.0") (880-42494-25), CS-26 (4.0") (880-42494-26), CS-27 (0.5") (880-42494-27), CS-28 (0.5") (880-42494-28), CS-29 (0.5") (880-42494-29), CS-30 (0.5") (880-42494-30), CS-31 (0.5") (880-42494-31), CS-32 (0.5") (880-42494-32), CS-33 (0.5") (880-42494-33), CS-34 (0.5") (880-42494-34), CS-35 (0.5") (880-42494-35), CS-36 (0.5") (880-42494-36), CS-37 (0.5") (880-42494-37), CS-38 (0.5") (880-42494-38), CS-39 (0.5") (880-42494-39), CS-40 (0.5") (880-42494-40), CS-41 (0.5") (880-42494-41), CS-42 (0.5") (880-42494-42), CS-43 (0.5") (880-42494-43), CS-44 (0.5") (880-42494-44), CS-45 (0.5") (880-42494-45), CS-46 (0.5") (880-42494-46), CS-47 (0.5") (880-42494-47), CS-48 (0.5") (880-42494-48), CS-49 (0.5") (880-42494-49), CS-50 (0.5") (880-42494-50), CS-51 (0.5") (880-42494-51), CS-52 (0.5") (880-42494-52), CS-53 (0.5") (880-42494-53), CS-54 (0.5") (880-42494-54), CS-55 (0.5") (880-42494-55), CS-56 (0.5") (880-42494-56), CS-57 (0.5") (880-42494-57), CS-58 (0.5") (880-42494-58), CS-59 (0.5") (880-42494-59), CS-60 (0.5") (880-42494-60), CS-61 (0.5") (880-42494-61), CS-62 (0.5") (880-42494-62), CS-63 (0.5") (880-42494-63), CS-64 (0.5") (880-42494-64), CS-65 (0.5") (880-42494-65), CS-66 (0.5") (880-42494-66), CS-67 (0.5") (880-42494-67), CS-68 (0.5") (880-42494-68), CS-69 (0.5") (880-42494-69), CS-70 (0.5") (880-42494-70), CS-71 (0.5") (880-42494-71), CS-72 (0.5") (880-42494-72), CS-73 (0.5") (880-42494-73), CS-74 (0.5") (880-42494-74), CS-75 (0.5") (880-42494-75), CS-76 (0.5") (880-42494-76), CS-77 (0.5") (880-42494-77), CS-78 (0.5") (880-42494-78), CS-79 (0.5") (880-42494-79), CS-80 (0.5") (880-42494-80), CS-81 (0.5") (880-42494-81), CS-82 (0.5") (880-42494-82), CS-83 (0.5") (880-42494-83), CS-84 (0.5") (880-42494-84), CS-85 (0.5") (880-42494-85), CS-86 (0.5") (880-42494-86), CS-87 (0.5") (880-42494-87), CS-88 (0.5") (880-42494-88), CS-89 (0.5") (880-42494-89), CS-90 (0.5") (880-42494-90), CS-91 (0.5") (880-42494-91), CS-92 (0.5") (880-42494-92), CS-93 (0.5") (880-42494-93), CS-94 (0.5") (880-42494-94), CS-95 (0.5") (880-42494-95), CS-96 (0.5") (880-42494-96), CS-97 (0.5") (880-42494-97), SW-1 (1.5") (880-42494-98), SW-2 (1.5") (880-42494-99), SW-3 (1.5") (880-42494-100), SW-4 (2.5") (880-42494-101), SW-5 (4.0") (880-42494-102), SW-6 (4.0") (880-42494-103) and SW-7 (2.5") (880-42494-104).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-78861 and analytical batch 880-78874 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-78862 and 880-78863 and analytical batch 880-78859 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: CS-47 (0.5") (880-42494-47), CS-50 (0.5") (880-42494-50), CS-56 (0.5") (880-42494-56), CS-58 (0.5") (880-42494-58), CS-60 (0.5") (880-42494-60), CS-65 (0.5") (880-42494-65).

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Case Narrative

Client: Carmona Resources
Project: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1

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Eurofins Midland

(880-42494-65), CS-68 (0.5") (880-42494-68), CS-69 (0.5") (880-42494-69) and (880-42494-A-41-G MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-78876 recovered below the lower control limit for o-Xylene. The samples associated with this CCV were ran within 12 hours of passing CCV; therefore, the data have been reported.

Method 8021B: Surrogate recovery for the following samples were outside control limits: CS-89 (0.5") (880-42494-89), CS-90 (0.5") (880-42494-90) and SW-3 (1.5") (880-42494-100). 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 880-78860 and analytical batch 880-78858 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: CS-6 (1.5") (880-42494-6), CS-7 (1.5") (880-42494-7), CS-8 (1.5") (880-42494-8) and CS-10 (1.5") (880-42494-10). 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 880-78861 and analytical batch 880-78874 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: CS-21 (4.0") (880-42494-21), CS-23 (4.0") (880-42494-23), CS-24 (4.0") (880-42494-24), CS-25 (4.0") (880-42494-25), CS-27 (0.5") (880-42494-27), CS-28 (0.5") (880-42494-28), CS-29 (0.5") (880-42494-29), CS-30 (0.5") (880-42494-30), CS-31 (0.5") (880-42494-31), CS-34 (0.5") (880-42494-34), CS-35 (0.5") (880-42494-35), CS-36 (0.5") (880-42494-36), CS-37 (0.5") (880-42494-37), CS-38 (0.5") (880-42494-38), CS-39 (0.5") (880-42494-39), CS-40 (0.5") (880-42494-40) and (880-42494-A-21-J MS). Evidence of matrix interferences is not obvious.

Method 8021B: An incorrect volume of spiking solution was inadvertently added to the laboratory control sample duplicate (LCSD) associated with preparation batch 880-78862 and analytical batch 880-78859. Since only an acceptable LCS is required per the method, the data has been qualified and reported.

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS-88 (0.5") (880-42494-88), (880-42494-A-81-E MS) and (880-42494-A-81-F MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike (MS) recoveries for preparation batch 880-78801 and analytical batch 880-78822 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SW-4 (2.5") (880-42494-101), SW-7 (2.5") (880-42494-104), (880-42448-A-10-B), (880-42448-A-10-N MS) and (880-42448-A-10-O MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-78774 and analytical batch 880-78869 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 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-78780 and 880-78781 and analytical batch 880-78826 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-78780/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS-6 (1.5") (880-42494-6) and CS-18 (4.0") (880-42494-18). Evidence of matrix interferences is not obvious.

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Case Narrative

Client: Carmona Resources
Project: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1

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Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-78780 and analytical batch 880-78826 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: The surrogate recovery for the blank associated with preparation batch 880-78782 and 880-78800 and analytical batch 880-78828 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS-64 (0.5") (880-42494-64) and (880-42494-A-41-C MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-78782 and analytical batch 880-78828 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 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-78800 and analytical batch 880-78828 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 - Soluble: The method blank for preparation batch 880-78787 and 880-78787 and analytical batch 880-78895 contained Chloride above the method reporting limit (RL). Associated sample(s) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

CS-61 (0.5") (880-42494-61), CS-62 (0.5") (880-42494-62), CS-63 (0.5") (880-42494-63), CS-64 (0.5") (880-42494-64), CS-65 (0.5") (880-42494-65), CS-67 (0.5") (880-42494-67), CS-68 (0.5") (880-42494-68), CS-69 (0.5") (880-42494-69), CS-70 (0.5") (880-42494-70), CS-71 (0.5") (880-42494-71), CS-72 (0.5") (880-42494-72), CS-73 (0.5") (880-42494-73), CS-74 (0.5") (880-42494-74), CS-75 (0.5") (880-42494-75), CS-77 (0.5") (880-42494-77), CS-78 (0.5") (880-42494-78), CS-79 (0.5") (880-42494-79), CS-80 (0.5") (880-42494-80) and (MB 880-78787/1-A)

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike (MS) recoveries for preparation batch 880-78787 and analytical batch 880-78895 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

CS-71 (0.5") (880-42494-71), CS-72 (0.5") (880-42494-72), CS-73 (0.5") (880-42494-73), CS-74 (0.5") (880-42494-74), CS-75 (0.5") (880-42494-75), CS-77 (0.5") (880-42494-77), CS-78 (0.5") (880-42494-78), CS-79 (0.5") (880-42494-79), CS-80 (0.5") (880-42494-80) and (880-42494-A-71-B MS)

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

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-1 (1.5")

Lab Sample ID: 880-42494-1

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 16:54	04/21/24 05:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/20/24 16:54	04/21/24 05:16	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/20/24 16:54	04/21/24 05:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/20/24 16:54	04/21/24 05:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/20/24 16:54	04/21/24 05:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/20/24 16:54	04/21/24 05:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	04/20/24 16:54	04/21/24 05:16	1
1,4-Difluorobenzene (Surr)	100		70 - 130	04/20/24 16:54	04/21/24 05:16	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/21/24 05:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/20/24 11:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *- *1	49.8		mg/Kg		04/19/24 16:16	04/20/24 11:21	1
Diesel Range Organics (Over C10-C28)	<49.8	U *- *1	49.8		mg/Kg		04/19/24 16:16	04/20/24 11:21	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/19/24 16:16	04/20/24 11:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130	04/19/24 16:16	04/20/24 11:21	1
o-Terphenyl	98		70 - 130	04/19/24 16:16	04/20/24 11:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	135		4.98		mg/Kg			04/21/24 14:35	1

Client Sample ID: CS-2 (1.5")

Lab Sample ID: 880-42494-2

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 16:54	04/21/24 05:36	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/20/24 16:54	04/21/24 05:36	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/20/24 16:54	04/21/24 05:36	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/20/24 16:54	04/21/24 05:36	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/20/24 16:54	04/21/24 05:36	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/20/24 16:54	04/21/24 05:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	04/20/24 16:54	04/21/24 05:36	1
1,4-Difluorobenzene (Surr)	110		70 - 130	04/20/24 16:54	04/21/24 05:36	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-2 (1.5")

Lab Sample ID: 880-42494-2

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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			04/21/24 05:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			04/20/24 12:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U *- *1	50.3		mg/Kg		04/19/24 16:16	04/20/24 12:26	1
Diesel Range Organics (Over C10-C28)	<50.3	U *- *1	50.3		mg/Kg		04/19/24 16:16	04/20/24 12:26	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		04/19/24 16:16	04/20/24 12:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				04/19/24 16:16	04/20/24 12:26	1
o-Terphenyl	102		70 - 130				04/19/24 16:16	04/20/24 12:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.6		4.96		mg/Kg			04/21/24 14:50	1

Client Sample ID: CS-3 (1.5")

Lab Sample ID: 880-42494-3

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 16:54	04/21/24 05:57	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/20/24 16:54	04/21/24 05:57	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/20/24 16:54	04/21/24 05:57	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		04/20/24 16:54	04/21/24 05:57	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/20/24 16:54	04/21/24 05:57	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/20/24 16:54	04/21/24 05:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				04/20/24 16:54	04/21/24 05:57	1
1,4-Difluorobenzene (Surr)	108		70 - 130				04/20/24 16:54	04/21/24 05:57	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			04/21/24 05:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			04/20/24 12:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U *- *1	50.1		mg/Kg		04/19/24 16:16	04/20/24 12:48	1
Diesel Range Organics (Over C10-C28)	<50.1	U *- *1	50.1		mg/Kg		04/19/24 16:16	04/20/24 12:48	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-3 (1.5")

Lab Sample ID: 880-42494-3

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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)	<50.1	U	50.1		mg/Kg		04/19/24 16:16	04/20/24 12:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				04/19/24 16:16	04/20/24 12:48	1
o-Terphenyl	92		70 - 130				04/19/24 16:16	04/20/24 12:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.34		4.99		mg/Kg			04/21/24 14:55	1

Client Sample ID: CS-4 (1.5")

Lab Sample ID: 880-42494-4

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 16:54	04/21/24 06:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/20/24 16:54	04/21/24 06:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/20/24 16:54	04/21/24 06:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/20/24 16:54	04/21/24 06:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/20/24 16:54	04/21/24 06:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/20/24 16:54	04/21/24 06:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				04/20/24 16:54	04/21/24 06:17	1
1,4-Difluorobenzene (Surr)	106		70 - 130				04/20/24 16:54	04/21/24 06:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/21/24 06:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			04/20/24 13:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U *- *1	50.4		mg/Kg		04/19/24 16:16	04/20/24 13:09	1
Diesel Range Organics (Over C10-C28)	<50.4	U *- *1	50.4		mg/Kg		04/19/24 16:16	04/20/24 13:09	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		04/19/24 16:16	04/20/24 13:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				04/19/24 16:16	04/20/24 13:09	1
o-Terphenyl	100		70 - 130				04/19/24 16:16	04/20/24 13:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.08		4.97		mg/Kg			04/21/24 15:00	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-5 (1.5")

Lab Sample ID: 880-42494-5

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 16:54	04/21/24 06:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/20/24 16:54	04/21/24 06:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/20/24 16:54	04/21/24 06:37	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/20/24 16:54	04/21/24 06:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/20/24 16:54	04/21/24 06:37	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/20/24 16:54	04/21/24 06:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	04/20/24 16:54	04/21/24 06:37	1
1,4-Difluorobenzene (Surr)	116		70 - 130	04/20/24 16:54	04/21/24 06:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/21/24 06:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			04/20/24 13:30	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	<50.5	U *- *1	50.5		mg/Kg		04/19/24 16:16	04/20/24 13:30	1
Diesel Range Organics (Over C10-C28)	<50.5	U *- *1	50.5		mg/Kg		04/19/24 16:16	04/20/24 13:30	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		04/19/24 16:16	04/20/24 13:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130	04/19/24 16:16	04/20/24 13:30	1
o-Terphenyl	116		70 - 130	04/19/24 16:16	04/20/24 13:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.96		4.97		mg/Kg			04/21/24 15:04	1

Client Sample ID: CS-6 (1.5")

Lab Sample ID: 880-42494-6

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 16:54	04/21/24 06:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/20/24 16:54	04/21/24 06:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/20/24 16:54	04/21/24 06:58	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/20/24 16:54	04/21/24 06:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/20/24 16:54	04/21/24 06:58	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/20/24 16:54	04/21/24 06:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	150	S1+	70 - 130	04/20/24 16:54	04/21/24 06:58	1
1,4-Difluorobenzene (Surr)	117		70 - 130	04/20/24 16:54	04/21/24 06:58	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-6 (1.5")

Lab Sample ID: 880-42494-6

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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			04/21/24 06:58	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			04/20/24 13:51	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 *- *1	49.9		mg/Kg		04/19/24 16:16	04/20/24 13:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U *- *1	49.9		mg/Kg		04/19/24 16:16	04/20/24 13:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/19/24 16:16	04/20/24 13:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130				04/19/24 16:16	04/20/24 13:51	1
o-Terphenyl	116		70 - 130				04/19/24 16:16	04/20/24 13:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.3		5.02		mg/Kg			04/21/24 15:19	1

Client Sample ID: CS-7 (1.5")

Lab Sample ID: 880-42494-7

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 16:54	04/21/24 07:18	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/20/24 16:54	04/21/24 07:18	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/20/24 16:54	04/21/24 07:18	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/20/24 16:54	04/21/24 07:18	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/20/24 16:54	04/21/24 07:18	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/20/24 16:54	04/21/24 07:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	288	S1+	70 - 130				04/20/24 16:54	04/21/24 07:18	1
1,4-Difluorobenzene (Surr)	76		70 - 130				04/20/24 16:54	04/21/24 07:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			04/21/24 07:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			04/20/24 14:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U *- *1	49.7		mg/Kg		04/19/24 16:16	04/20/24 14:12	1
Diesel Range Organics (Over C10-C28)	<49.7	U *- *1	49.7		mg/Kg		04/19/24 16:16	04/20/24 14:12	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-7 (1.5")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-7
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		04/19/24 16:16	04/20/24 14:12	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	122		70 - 130				04/19/24 16:16	04/20/24 14:12	1	
o-Terphenyl	102		70 - 130				04/19/24 16:16	04/20/24 14:12	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	16.8		5.01		mg/Kg			04/21/24 15:24	1	

Client Sample ID: CS-8 (1.5")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-8
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		04/20/24 16:54	04/21/24 07:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/20/24 16:54	04/21/24 07:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/20/24 16:54	04/21/24 07:39	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/20/24 16:54	04/21/24 07:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/20/24 16:54	04/21/24 07:39	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/20/24 16:54	04/21/24 07:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	282	S1+	70 - 130				04/20/24 16:54	04/21/24 07:39	1
1,4-Difluorobenzene (Surr)	82		70 - 130				04/20/24 16:54	04/21/24 07:39	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			04/21/24 07:39	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			04/20/24 14:33	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *- *1	49.8		mg/Kg		04/19/24 16:16	04/20/24 14:33	1	
Diesel Range Organics (Over C10-C28)	<49.8	U *- *1	49.8		mg/Kg		04/19/24 16:16	04/20/24 14:33	1	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/19/24 16:16	04/20/24 14:33	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	125		70 - 130				04/19/24 16:16	04/20/24 14:33	1	
o-Terphenyl	110		70 - 130				04/19/24 16:16	04/20/24 14:33	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	29.7		4.98		mg/Kg			04/21/24 15:29	1	

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-9 (1.5")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-9
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		04/20/24 16:54	04/21/24 07:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/20/24 16:54	04/21/24 07:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/20/24 16:54	04/21/24 07:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/20/24 16:54	04/21/24 07:59	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/20/24 16:54	04/21/24 07:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/20/24 16:54	04/21/24 07:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				04/20/24 16:54	04/21/24 07:59	1
1,4-Difluorobenzene (Surr)	112		70 - 130				04/20/24 16:54	04/21/24 07:59	1

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/21/24 07:59	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			04/20/24 14:54	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U *- *1	50.4		mg/Kg		04/19/24 16:16	04/20/24 14:54	1
Diesel Range Organics (Over C10-C28)	<50.4	U *- *1	50.4		mg/Kg		04/19/24 16:16	04/20/24 14:54	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		04/19/24 16:16	04/20/24 14:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				04/19/24 16:16	04/20/24 14:54	1
o-Terphenyl	96		70 - 130				04/19/24 16:16	04/20/24 14:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.03		5.00		mg/Kg			04/21/24 15:33	1

Client Sample ID: CS-10 (1.5")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-10
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/20/24 16:54	04/21/24 08:19	1
Toluene	0.00331		0.00198		mg/Kg		04/20/24 16:54	04/21/24 08:19	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/20/24 16:54	04/21/24 08:19	1
m-Xylene & p-Xylene	0.00552		0.00396		mg/Kg		04/20/24 16:54	04/21/24 08:19	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/20/24 16:54	04/21/24 08:19	1
Xylenes, Total	0.00552		0.00396		mg/Kg		04/20/24 16:54	04/21/24 08:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	371	S1+	70 - 130				04/20/24 16:54	04/21/24 08:19	1
1,4-Difluorobenzene (Surr)	90		70 - 130				04/20/24 16:54	04/21/24 08:19	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-10 (1.5")

Lab Sample ID: 880-42494-10

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00883		0.00396		mg/Kg			04/21/24 08:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			04/20/24 15:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U *- *1	50.5		mg/Kg		04/19/24 16:16	04/20/24 15:15	1
Diesel Range Organics (Over C10-C28)	<50.5	U *- *1	50.5		mg/Kg		04/19/24 16:16	04/20/24 15:15	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		04/19/24 16:16	04/20/24 15:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				04/19/24 16:16	04/20/24 15:15	1
o-Terphenyl	99		70 - 130				04/19/24 16:16	04/20/24 15:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.40		4.99		mg/Kg			04/21/24 15:38	1

Client Sample ID: CS-11 (1.5")

Lab Sample ID: 880-42494-11

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/22/24 08:26	04/22/24 11:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/22/24 08:26	04/22/24 11:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/22/24 08:26	04/22/24 11:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/22/24 08:26	04/22/24 11:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/22/24 08:26	04/22/24 11:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/22/24 08:26	04/22/24 11:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				04/22/24 08:26	04/22/24 11:39	1
1,4-Difluorobenzene (Surr)	92		70 - 130				04/22/24 08:26	04/22/24 11:39	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			04/22/24 11:39	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			04/20/24 15:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *- *1	50.0		mg/Kg		04/19/24 16:16	04/20/24 15:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U *- *1	50.0		mg/Kg		04/19/24 16:16	04/20/24 15:57	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-11 (1.5")

Lab Sample ID: 880-42494-11

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/19/24 16:16	04/20/24 15:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				04/19/24 16:16	04/20/24 15:57	1
o-Terphenyl	101		70 - 130				04/19/24 16:16	04/20/24 15:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.63		5.03		mg/Kg			04/21/24 15:43	1

Client Sample ID: CS-12 (1.5")

Lab Sample ID: 880-42494-12

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/22/24 08:26	04/22/24 11:59	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/22/24 08:26	04/22/24 11:59	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/22/24 08:26	04/22/24 11:59	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/22/24 08:26	04/22/24 11:59	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/22/24 08:26	04/22/24 11:59	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/22/24 08:26	04/22/24 11:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				04/22/24 08:26	04/22/24 11:59	1
1,4-Difluorobenzene (Surr)	92		70 - 130				04/22/24 08:26	04/22/24 11:59	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			04/22/24 11:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/20/24 16:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *- *1	50.0		mg/Kg		04/19/24 16:16	04/20/24 16:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U *- *1	50.0		mg/Kg		04/19/24 16:16	04/20/24 16:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/19/24 16:16	04/20/24 16:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				04/19/24 16:16	04/20/24 16:19	1
o-Terphenyl	98		70 - 130				04/19/24 16:16	04/20/24 16:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.7		4.97		mg/Kg			04/21/24 15:57	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-13 (4.0")

Lab Sample ID: 880-42494-13

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/22/24 08:26	04/22/24 12:19	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/22/24 08:26	04/22/24 12:19	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/22/24 08:26	04/22/24 12:19	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		04/22/24 08:26	04/22/24 12:19	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/22/24 08:26	04/22/24 12:19	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/22/24 08:26	04/22/24 12:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	04/22/24 08:26	04/22/24 12:19	1
1,4-Difluorobenzene (Surr)	89		70 - 130	04/22/24 08:26	04/22/24 12:19	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			04/22/24 12:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/20/24 16:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *- *1	49.8		mg/Kg		04/19/24 16:16	04/20/24 16:39	1
Diesel Range Organics (Over C10-C28)	<49.8	U *- *1	49.8		mg/Kg		04/19/24 16:16	04/20/24 16:39	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/19/24 16:16	04/20/24 16:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130	04/19/24 16:16	04/20/24 16:39	1
o-Terphenyl	96		70 - 130	04/19/24 16:16	04/20/24 16:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	244		4.96		mg/Kg			04/21/24 16:02	1

Client Sample ID: CS-14 (4.0")

Lab Sample ID: 880-42494-14

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/22/24 08:26	04/22/24 12:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/22/24 08:26	04/22/24 12:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/22/24 08:26	04/22/24 12:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/22/24 08:26	04/22/24 12:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/22/24 08:26	04/22/24 12:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/22/24 08:26	04/22/24 12:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	04/22/24 08:26	04/22/24 12:40	1
1,4-Difluorobenzene (Surr)	92		70 - 130	04/22/24 08:26	04/22/24 12:40	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-14 (4.0")

Lab Sample ID: 880-42494-14

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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			04/22/24 12:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			04/20/24 17:01	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	<49.7	U *- *1	49.7		mg/Kg		04/19/24 16:16	04/20/24 17:01	1
Diesel Range Organics (Over C10-C28)	<49.7	U *- *1	49.7		mg/Kg		04/19/24 16:16	04/20/24 17:01	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		04/19/24 16:16	04/20/24 17:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				04/19/24 16:16	04/20/24 17:01	1
o-Terphenyl	93		70 - 130				04/19/24 16:16	04/20/24 17:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	76.0		5.02		mg/Kg			04/21/24 16:17	1

Client Sample ID: CS-15 (4.0")

Lab Sample ID: 880-42494-15

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/22/24 08:26	04/22/24 13:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/22/24 08:26	04/22/24 13:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/22/24 08:26	04/22/24 13:00	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/22/24 08:26	04/22/24 13:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/22/24 08:26	04/22/24 13:00	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/22/24 08:26	04/22/24 13:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				04/22/24 08:26	04/22/24 13:00	1
1,4-Difluorobenzene (Surr)	91		70 - 130				04/22/24 08:26	04/22/24 13:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/22/24 13:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			04/20/24 17:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U *- *1	50.3		mg/Kg		04/19/24 16:16	04/20/24 17:22	1
Diesel Range Organics (Over C10-C28)	<50.3	U *- *1	50.3		mg/Kg		04/19/24 16:16	04/20/24 17:22	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-15 (4.0")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-15
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		04/19/24 16:16	04/20/24 17:22	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	124		70 - 130				04/19/24 16:16	04/20/24 17:22	1	
o-Terphenyl	109		70 - 130				04/19/24 16:16	04/20/24 17:22	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	314		5.04		mg/Kg			04/21/24 16:22	1	

Client Sample ID: CS-16 (4.0")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-16
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		04/22/24 08:26	04/22/24 13:20	1	
Toluene	<0.00200	U	0.00200		mg/Kg		04/22/24 08:26	04/22/24 13:20	1	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/22/24 08:26	04/22/24 13:20	1	
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/22/24 08:26	04/22/24 13:20	1	
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/22/24 08:26	04/22/24 13:20	1	
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/22/24 08:26	04/22/24 13:20	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	121		70 - 130				04/22/24 08:26	04/22/24 13:20	1	
1,4-Difluorobenzene (Surr)	78		70 - 130				04/22/24 08:26	04/22/24 13:20	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			04/22/24 13:20	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			04/20/24 17:43	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.1	U *- *1	50.1		mg/Kg		04/19/24 16:16	04/20/24 17:43	1	
Diesel Range Organics (Over C10-C28)	<50.1	U *- *1	50.1		mg/Kg		04/19/24 16:16	04/20/24 17:43	1	
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/19/24 16:16	04/20/24 17:43	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	113		70 - 130				04/19/24 16:16	04/20/24 17:43	1	
o-Terphenyl	97		70 - 130				04/19/24 16:16	04/20/24 17:43	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	227		5.05		mg/Kg			04/21/24 16:26	1	

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-17 (4.0")

Lab Sample ID: 880-42494-17

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/22/24 08:26	04/22/24 13:41	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/22/24 08:26	04/22/24 13:41	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/22/24 08:26	04/22/24 13:41	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/22/24 08:26	04/22/24 13:41	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/22/24 08:26	04/22/24 13:41	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/22/24 08:26	04/22/24 13:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	04/22/24 08:26	04/22/24 13:41	1
1,4-Difluorobenzene (Surr)	92		70 - 130	04/22/24 08:26	04/22/24 13:41	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			04/22/24 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	<50.4	U	50.4		mg/Kg			04/20/24 18:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U *- *1	50.4		mg/Kg		04/19/24 16:16	04/20/24 18:04	1
Diesel Range Organics (Over C10-C28)	<50.4	U *- *1	50.4		mg/Kg		04/19/24 16:16	04/20/24 18:04	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		04/19/24 16:16	04/20/24 18:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130	04/19/24 16:16	04/20/24 18:04	1
o-Terphenyl	103		70 - 130	04/19/24 16:16	04/20/24 18:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	150		5.04		mg/Kg			04/21/24 16:31	1

Client Sample ID: CS-18 (4.0")

Lab Sample ID: 880-42494-18

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/22/24 08:26	04/22/24 14:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/22/24 08:26	04/22/24 14:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/22/24 08:26	04/22/24 14:01	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/22/24 08:26	04/22/24 14:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/22/24 08:26	04/22/24 14:01	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/22/24 08:26	04/22/24 14:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	04/22/24 08:26	04/22/24 14:01	1
1,4-Difluorobenzene (Surr)	93		70 - 130	04/22/24 08:26	04/22/24 14:01	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-18 (4.0")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-18
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00401	U	0.00401		mg/Kg			04/22/24 14:01	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<50.5	U	50.5		mg/Kg			04/20/24 18:25	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.5	U *- *1	50.5		mg/Kg		04/19/24 16:16	04/20/24 18:25	1	
Diesel Range Organics (Over C10-C28)	<50.5	U *- *1	50.5		mg/Kg		04/19/24 16:16	04/20/24 18:25	1	
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		04/19/24 16:16	04/20/24 18:25	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	140	S1+	70 - 130				04/19/24 16:16	04/20/24 18:25	1	
o-Terphenyl	122		70 - 130				04/19/24 16:16	04/20/24 18:25	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	1820		24.9		mg/Kg			04/21/24 16:36	5	

Client Sample ID: CS-19 (4.0")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-19
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		04/22/24 08:26	04/22/24 14:22	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/22/24 08:26	04/22/24 14:22	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/22/24 08:26	04/22/24 14:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/22/24 08:26	04/22/24 14:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/22/24 08:26	04/22/24 14:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/22/24 08:26	04/22/24 14:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				04/22/24 08:26	04/22/24 14:22	1
1,4-Difluorobenzene (Surr)	86		70 - 130				04/22/24 08:26	04/22/24 14:22	1
Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/22/24 14:22	1
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/20/24 18:46	1
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *- *1	50.0		mg/Kg		04/19/24 16:16	04/20/24 18:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U *- *1	50.0		mg/Kg		04/19/24 16:16	04/20/24 18:46	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-19 (4.0")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-19
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/19/24 16:16	04/20/24 18:46	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	119		70 - 130				04/19/24 16:16	04/20/24 18:46	1	
o-Terphenyl	101		70 - 130				04/19/24 16:16	04/20/24 18:46	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	2030		24.8		mg/Kg			04/21/24 16:41	5	

Client Sample ID: CS-20 (4.0")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-20
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00198	U	0.00198		mg/Kg		04/22/24 08:26	04/22/24 14:42	1	
Toluene	<0.00198	U	0.00198		mg/Kg		04/22/24 08:26	04/22/24 14:42	1	
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/22/24 08:26	04/22/24 14:42	1	
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/22/24 08:26	04/22/24 14:42	1	
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/22/24 08:26	04/22/24 14:42	1	
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/22/24 08:26	04/22/24 14:42	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	118		70 - 130				04/22/24 08:26	04/22/24 14:42	1	
1,4-Difluorobenzene (Surr)	92		70 - 130				04/22/24 08:26	04/22/24 14:42	1	

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00396	U	0.00396		mg/Kg			04/22/24 14:42	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.9	U	49.9		mg/Kg			04/20/24 19:07	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *- *1	49.9		mg/Kg		04/19/24 16:16	04/20/24 19:07	1	
Diesel Range Organics (Over C10-C28)	<49.9	U *- *1	49.9		mg/Kg		04/19/24 16:16	04/20/24 19:07	1	
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/19/24 16:16	04/20/24 19:07	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	119		70 - 130				04/19/24 16:16	04/20/24 19:07	1	
o-Terphenyl	99		70 - 130				04/19/24 16:16	04/20/24 19:07	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	1520		24.8		mg/Kg			04/21/24 16:46	5	

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-21 (4.0")

Lab Sample ID: 880-42494-21

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F2 F1	0.00199		mg/Kg		04/20/24 16:56	04/21/24 22:44	1
Toluene	<0.00199	U F2 F1	0.00199		mg/Kg		04/20/24 16:56	04/21/24 22:44	1
Ethylbenzene	<0.00199	U F2 F1	0.00199		mg/Kg		04/20/24 16:56	04/21/24 22:44	1
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.00398		mg/Kg		04/20/24 16:56	04/21/24 22:44	1
o-Xylene	<0.00199	U F1	0.00199		mg/Kg		04/20/24 16:56	04/21/24 22:44	1
Xylenes, Total	<0.00398	U F1	0.00398		mg/Kg		04/20/24 16:56	04/21/24 22:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	205	S1+	70 - 130	04/20/24 16:56	04/21/24 22:44	1
1,4-Difluorobenzene (Surr)	162	S1+	70 - 130	04/20/24 16:56	04/21/24 22:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/21/24 22:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			04/20/24 20:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		04/19/24 16:18	04/20/24 20:52	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		04/19/24 16:18	04/20/24 20:52	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		04/19/24 16:18	04/20/24 20:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130	04/19/24 16:18	04/20/24 20:52	1
o-Terphenyl	104		70 - 130	04/19/24 16:18	04/20/24 20:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1040		25.2		mg/Kg			04/21/24 15:04	5

Client Sample ID: CS-22 (4.0")

Lab Sample ID: 880-42494-22

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 16:56	04/21/24 23:05	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/20/24 16:56	04/21/24 23:05	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/20/24 16:56	04/21/24 23:05	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/20/24 16:56	04/21/24 23:05	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/20/24 16:56	04/21/24 23:05	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/20/24 16:56	04/21/24 23:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	04/20/24 16:56	04/21/24 23:05	1
1,4-Difluorobenzene (Surr)	111		70 - 130	04/20/24 16:56	04/21/24 23:05	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-22 (4.0")

Lab Sample ID: 880-42494-22

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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			04/21/24 23:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			04/20/24 21:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		04/19/24 16:18	04/20/24 21:55	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		04/19/24 16:18	04/20/24 21:55	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		04/19/24 16:18	04/20/24 21:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				04/19/24 16:18	04/20/24 21:55	1
o-Terphenyl	108		70 - 130				04/19/24 16:18	04/20/24 21:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1500		25.0		mg/Kg			04/21/24 15:22	5

Client Sample ID: CS-23 (4.0")

Lab Sample ID: 880-42494-23

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 16:56	04/21/24 23:25	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/20/24 16:56	04/21/24 23:25	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/20/24 16:56	04/21/24 23:25	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		04/20/24 16:56	04/21/24 23:25	1
o-Xylene	0.00231		0.00202		mg/Kg		04/20/24 16:56	04/21/24 23:25	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/20/24 16:56	04/21/24 23:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	310	S1+	70 - 130				04/20/24 16:56	04/21/24 23:25	1
1,4-Difluorobenzene (Surr)	68	S1-	70 - 130				04/20/24 16:56	04/21/24 23:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			04/21/24 23:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/20/24 22:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/19/24 16:18	04/20/24 22:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/19/24 16:18	04/20/24 22:16	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-23 (4.0")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-23
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/19/24 16:18	04/20/24 22:16	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	126		70 - 130				04/19/24 16:18	04/20/24 22:16	1	
o-Terphenyl	111		70 - 130				04/19/24 16:18	04/20/24 22:16	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	1310		25.0		mg/Kg			04/21/24 15:29	5	

Client Sample ID: CS-24 (4.0")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-24
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		04/20/24 16:56	04/21/24 23:45	1	
Toluene	<0.00199	U	0.00199		mg/Kg		04/20/24 16:56	04/21/24 23:45	1	
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/20/24 16:56	04/21/24 23:45	1	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/20/24 16:56	04/21/24 23:45	1	
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/20/24 16:56	04/21/24 23:45	1	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/20/24 16:56	04/21/24 23:45	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	191	S1+	70 - 130				04/20/24 16:56	04/21/24 23:45	1	
1,4-Difluorobenzene (Surr)	155	S1+	70 - 130				04/20/24 16:56	04/21/24 23:45	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			04/21/24 23:45	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			04/20/24 22:37	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		04/19/24 16:18	04/20/24 22:37	1	
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/19/24 16:18	04/20/24 22:37	1	
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/19/24 16:18	04/20/24 22:37	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	117		70 - 130				04/19/24 16:18	04/20/24 22:37	1	
o-Terphenyl	103		70 - 130				04/19/24 16:18	04/20/24 22:37	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	3570		25.0		mg/Kg			04/21/24 15:35	5	

Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-25 (4.0")

Lab Sample ID: 880-42494-25

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 16:56	04/22/24 00:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/20/24 16:56	04/22/24 00:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/20/24 16:56	04/22/24 00:06	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/20/24 16:56	04/22/24 00:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/20/24 16:56	04/22/24 00:06	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/20/24 16:56	04/22/24 00:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	158	S1+	70 - 130	04/20/24 16:56	04/22/24 00:06	1
1,4-Difluorobenzene (Surr)	139	S1+	70 - 130	04/20/24 16:56	04/22/24 00:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/22/24 00:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			04/20/24 22:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		04/19/24 16:18	04/20/24 22:58	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		04/19/24 16:18	04/20/24 22:58	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		04/19/24 16:18	04/20/24 22:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130	04/19/24 16:18	04/20/24 22:58	1
o-Terphenyl	102		70 - 130	04/19/24 16:18	04/20/24 22:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3170		25.1		mg/Kg			04/21/24 15:41	5

Client Sample ID: CS-26 (4.0")

Lab Sample ID: 880-42494-26

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 16:56	04/22/24 00:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/20/24 16:56	04/22/24 00:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/20/24 16:56	04/22/24 00:26	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/20/24 16:56	04/22/24 00:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/20/24 16:56	04/22/24 00:26	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/20/24 16:56	04/22/24 00:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	04/20/24 16:56	04/22/24 00:26	1
1,4-Difluorobenzene (Surr)	110		70 - 130	04/20/24 16:56	04/22/24 00:26	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-26 (4.0")

Lab Sample ID: 880-42494-26

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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			04/22/24 00:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/20/24 23:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/19/24 16:18	04/20/24 23:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/19/24 16:18	04/20/24 23:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/19/24 16:18	04/20/24 23:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130				04/19/24 16:18	04/20/24 23:19	1
o-Terphenyl	109		70 - 130				04/19/24 16:18	04/20/24 23:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	162		5.03		mg/Kg			04/21/24 16:00	1

Client Sample ID: CS-27 (0.5")

Lab Sample ID: 880-42494-27

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 16:56	04/22/24 00:47	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/20/24 16:56	04/22/24 00:47	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/20/24 16:56	04/22/24 00:47	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/20/24 16:56	04/22/24 00:47	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/20/24 16:56	04/22/24 00:47	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/20/24 16:56	04/22/24 00:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	146	S1+	70 - 130				04/20/24 16:56	04/22/24 00:47	1
1,4-Difluorobenzene (Surr)	127		70 - 130				04/20/24 16:56	04/22/24 00:47	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			04/22/24 00:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	113		50.4		mg/Kg			04/20/24 23:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		04/19/24 16:18	04/20/24 23:40	1
Diesel Range Organics (Over C10-C28)	113		50.4		mg/Kg		04/19/24 16:18	04/20/24 23:40	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-27 (0.5")

Lab Sample ID: 880-42494-27

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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)	<50.4	U	50.4		mg/Kg		04/19/24 16:18	04/20/24 23:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				04/19/24 16:18	04/20/24 23:40	1
o-Terphenyl	101		70 - 130				04/19/24 16:18	04/20/24 23:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4150		49.7		mg/Kg			04/21/24 16:07	10

Client Sample ID: CS-28 (0.5")

Lab Sample ID: 880-42494-28

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 16:56	04/22/24 01:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/20/24 16:56	04/22/24 01:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/20/24 16:56	04/22/24 01:07	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/20/24 16:56	04/22/24 01:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/20/24 16:56	04/22/24 01:07	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/20/24 16:56	04/22/24 01:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	169	S1+	70 - 130				04/20/24 16:56	04/22/24 01:07	1
1,4-Difluorobenzene (Surr)	138	S1+	70 - 130				04/20/24 16:56	04/22/24 01:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			04/22/24 01:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			04/21/24 00:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		04/19/24 16:18	04/21/24 00:01	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		04/19/24 16:18	04/21/24 00:01	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		04/19/24 16:18	04/21/24 00:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				04/19/24 16:18	04/21/24 00:01	1
o-Terphenyl	103		70 - 130				04/19/24 16:18	04/21/24 00:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1830		24.8		mg/Kg			04/21/24 16:13	5

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-29 (0.5")

Lab Sample ID: 880-42494-29

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 16:56	04/22/24 01:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/20/24 16:56	04/22/24 01:27	1
Ethylbenzene	0.00407		0.00199		mg/Kg		04/20/24 16:56	04/22/24 01:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/20/24 16:56	04/22/24 01:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/20/24 16:56	04/22/24 01:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/20/24 16:56	04/22/24 01:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	364	S1+	70 - 130	04/20/24 16:56	04/22/24 01:27	1
1,4-Difluorobenzene (Surr)	119		70 - 130	04/20/24 16:56	04/22/24 01:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00407		0.00398		mg/Kg			04/22/24 01:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/21/24 00:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/19/24 16:18	04/21/24 00:22	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/19/24 16:18	04/21/24 00:22	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/19/24 16:18	04/21/24 00:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130	04/19/24 16:18	04/21/24 00:22	1
o-Terphenyl	95		70 - 130	04/19/24 16:18	04/21/24 00:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2110		25.1		mg/Kg			04/21/24 16:19	5

Client Sample ID: CS-30 (0.5")

Lab Sample ID: 880-42494-30

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 16:56	04/22/24 01:48	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/20/24 16:56	04/22/24 01:48	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/20/24 16:56	04/22/24 01:48	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/20/24 16:56	04/22/24 01:48	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/20/24 16:56	04/22/24 01:48	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/20/24 16:56	04/22/24 01:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	323	S1+	70 - 130	04/20/24 16:56	04/22/24 01:48	1
1,4-Difluorobenzene (Surr)	207	S1+	70 - 130	04/20/24 16:56	04/22/24 01:48	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-30 (0.5")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-30
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00396	U	0.00396		mg/Kg			04/22/24 01:48	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.8	U	49.8		mg/Kg			04/21/24 00:43	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/19/24 16:18	04/21/24 00:43	1	
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/19/24 16:18	04/21/24 00:43	1	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/19/24 16:18	04/21/24 00:43	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	107		70 - 130				04/19/24 16:18	04/21/24 00:43	1	
o-Terphenyl	89		70 - 130				04/19/24 16:18	04/21/24 00:43	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	65.1		5.05		mg/Kg			04/21/24 16:26	1	

Client Sample ID: CS-31 (0.5")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-31
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		04/20/24 16:56	04/22/24 03:38	1	
Toluene	<0.00201	U	0.00201		mg/Kg		04/20/24 16:56	04/22/24 03:38	1	
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/20/24 16:56	04/22/24 03:38	1	
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/20/24 16:56	04/22/24 03:38	1	
o-Xylene	0.00411		0.00201		mg/Kg		04/20/24 16:56	04/22/24 03:38	1	
Xylenes, Total	0.00411		0.00402		mg/Kg		04/20/24 16:56	04/22/24 03:38	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	357	S1+	70 - 130				04/20/24 16:56	04/22/24 03:38	1	
1,4-Difluorobenzene (Surr)	183	S1+	70 - 130				04/20/24 16:56	04/22/24 03:38	1	

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	0.00411		0.00402		mg/Kg			04/22/24 03:38	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			04/21/24 01:24	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/19/24 16:18	04/21/24 01:24	1	
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/19/24 16:18	04/21/24 01:24	1	

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-31 (0.5")

Lab Sample ID: 880-42494-31

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/19/24 16:18	04/21/24 01:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				04/19/24 16:18	04/21/24 01:24	1
o-Terphenyl	89		70 - 130				04/19/24 16:18	04/21/24 01:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	183		5.04		mg/Kg			04/21/24 16:32	1

Client Sample ID: CS-32 (0.5")

Lab Sample ID: 880-42494-32

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 16:56	04/22/24 03:58	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/20/24 16:56	04/22/24 03:58	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/20/24 16:56	04/22/24 03:58	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/20/24 16:56	04/22/24 03:58	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/20/24 16:56	04/22/24 03:58	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/20/24 16:56	04/22/24 03:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				04/20/24 16:56	04/22/24 03:58	1
1,4-Difluorobenzene (Surr)	111		70 - 130				04/20/24 16:56	04/22/24 03:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/22/24 03:58	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			04/21/24 01:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/19/24 16:18	04/21/24 01:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/19/24 16:18	04/21/24 01:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/19/24 16:18	04/21/24 01:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				04/19/24 16:18	04/21/24 01:45	1
o-Terphenyl	91		70 - 130				04/19/24 16:18	04/21/24 01:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	519		4.98		mg/Kg			04/21/24 16:51	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-33 (0.5")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-33
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/20/24 16:56	04/22/24 04:18	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/20/24 16:56	04/22/24 04:18	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/20/24 16:56	04/22/24 04:18	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/20/24 16:56	04/22/24 04:18	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/20/24 16:56	04/22/24 04:18	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/20/24 16:56	04/22/24 04:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				04/20/24 16:56	04/22/24 04:18	1
1,4-Difluorobenzene (Surr)	112		70 - 130				04/20/24 16:56	04/22/24 04:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			04/22/24 04:18	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/21/24 02:05	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/19/24 16:18	04/21/24 02:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/19/24 16:18	04/21/24 02:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/19/24 16:18	04/21/24 02:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				04/19/24 16:18	04/21/24 02:05	1
o-Terphenyl	101		70 - 130				04/19/24 16:18	04/21/24 02:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	62.2		4.95		mg/Kg			04/21/24 16:57	1

Client Sample ID: CS-34 (0.5")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-34
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/20/24 16:56	04/22/24 04:39	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/20/24 16:56	04/22/24 04:39	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/20/24 16:56	04/22/24 04:39	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		04/20/24 16:56	04/22/24 04:39	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/20/24 16:56	04/22/24 04:39	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		04/20/24 16:56	04/22/24 04:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	201	S1+	70 - 130				04/20/24 16:56	04/22/24 04:39	1
1,4-Difluorobenzene (Surr)	157	S1+	70 - 130				04/20/24 16:56	04/22/24 04:39	1

Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-34 (0.5")

Lab Sample ID: 880-42494-34

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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			04/22/24 04:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			04/21/24 02:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		04/19/24 16:18	04/21/24 02:26	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		04/19/24 16:18	04/21/24 02:26	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		04/19/24 16:18	04/21/24 02:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				04/19/24 16:18	04/21/24 02:26	1
o-Terphenyl	99		70 - 130				04/19/24 16:18	04/21/24 02:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	77.9		4.96		mg/Kg			04/21/24 17:16	1

Client Sample ID: CS-35 (0.5")

Lab Sample ID: 880-42494-35

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 16:56	04/22/24 04:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/20/24 16:56	04/22/24 04:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/20/24 16:56	04/22/24 04:59	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/20/24 16:56	04/22/24 04:59	1
o-Xylene	0.00301		0.00200		mg/Kg		04/20/24 16:56	04/22/24 04:59	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/20/24 16:56	04/22/24 04:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	393	S1+	70 - 130				04/20/24 16:56	04/22/24 04:59	1
1,4-Difluorobenzene (Surr)	128		70 - 130				04/20/24 16:56	04/22/24 04:59	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/22/24 04:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			04/21/24 02:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		04/19/24 16:18	04/21/24 02:47	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		04/19/24 16:18	04/21/24 02:47	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-35 (0.5")

Lab Sample ID: 880-42494-35

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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)	<50.1	U	50.1		mg/Kg		04/19/24 16:18	04/21/24 02:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				04/19/24 16:18	04/21/24 02:47	1
o-Terphenyl	89		70 - 130				04/19/24 16:18	04/21/24 02:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	58.6		5.02		mg/Kg			04/21/24 17:22	1

Client Sample ID: CS-36 (0.5")

Lab Sample ID: 880-42494-36

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 16:56	04/22/24 05:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/20/24 16:56	04/22/24 05:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/20/24 16:56	04/22/24 05:19	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/20/24 16:56	04/22/24 05:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/20/24 16:56	04/22/24 05:19	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/20/24 16:56	04/22/24 05:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	144	S1+	70 - 130				04/20/24 16:56	04/22/24 05:19	1
1,4-Difluorobenzene (Surr)	68	S1-	70 - 130				04/20/24 16:56	04/22/24 05:19	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			04/22/24 05:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			04/21/24 03:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		04/19/24 16:18	04/21/24 03:08	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		04/19/24 16:18	04/21/24 03:08	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		04/19/24 16:18	04/21/24 03:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				04/19/24 16:18	04/21/24 03:08	1
o-Terphenyl	90		70 - 130				04/19/24 16:18	04/21/24 03:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	101		5.04		mg/Kg			04/21/24 17:29	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-37 (0.5")

Lab Sample ID: 880-42494-37

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 16:56	04/22/24 05:40	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/20/24 16:56	04/22/24 05:40	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/20/24 16:56	04/22/24 05:40	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/20/24 16:56	04/22/24 05:40	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/20/24 16:56	04/22/24 05:40	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/20/24 16:56	04/22/24 05:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	163	S1+	70 - 130	04/20/24 16:56	04/22/24 05:40	1
1,4-Difluorobenzene (Surr)	71		70 - 130	04/20/24 16:56	04/22/24 05:40	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			04/22/24 05:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			04/21/24 03:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		04/19/24 16:18	04/21/24 03:29	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		04/19/24 16:18	04/21/24 03:29	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		04/19/24 16:18	04/21/24 03:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	04/19/24 16:18	04/21/24 03:29	1
o-Terphenyl	94		70 - 130	04/19/24 16:18	04/21/24 03:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	32.9		5.03		mg/Kg			04/21/24 17:35	1

Client Sample ID: CS-38 (0.5")

Lab Sample ID: 880-42494-38

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 16:56	04/22/24 06:00	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/20/24 16:56	04/22/24 06:00	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/20/24 16:56	04/22/24 06:00	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/20/24 16:56	04/22/24 06:00	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/20/24 16:56	04/22/24 06:00	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/20/24 16:56	04/22/24 06:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	187	S1+	70 - 130	04/20/24 16:56	04/22/24 06:00	1
1,4-Difluorobenzene (Surr)	69	S1-	70 - 130	04/20/24 16:56	04/22/24 06:00	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-38 (0.5")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-38
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/22/24 06:00	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.8	U	49.8		mg/Kg			04/21/24 03:50	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/19/24 16:18	04/21/24 03:50	1	
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/19/24 16:18	04/21/24 03:50	1	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/19/24 16:18	04/21/24 03:50	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	120		70 - 130				04/19/24 16:18	04/21/24 03:50	1	
o-Terphenyl	102		70 - 130				04/19/24 16:18	04/21/24 03:50	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	66.5		4.97		mg/Kg			04/21/24 17:41	1	

Client Sample ID: CS-39 (0.5")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-39
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		04/20/24 16:56	04/22/24 06:21	1	
Toluene	<0.00202	U	0.00202		mg/Kg		04/20/24 16:56	04/22/24 06:21	1	
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/20/24 16:56	04/22/24 06:21	1	
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		04/20/24 16:56	04/22/24 06:21	1	
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/20/24 16:56	04/22/24 06:21	1	
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/20/24 16:56	04/22/24 06:21	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	307	S1+	70 - 130				04/20/24 16:56	04/22/24 06:21	1	
1,4-Difluorobenzene (Surr)	71		70 - 130				04/20/24 16:56	04/22/24 06:21	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			04/22/24 06:21	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.7	U	49.7		mg/Kg			04/21/24 04:10	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		04/19/24 16:18	04/21/24 04:10	1	
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		04/19/24 16:18	04/21/24 04:10	1	

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-39 (0.5")

Lab Sample ID: 880-42494-39

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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)	<49.7	U	49.7		mg/Kg		04/19/24 16:18	04/21/24 04:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				04/19/24 16:18	04/21/24 04:10	1
o-Terphenyl	87		70 - 130				04/19/24 16:18	04/21/24 04:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	60.7		4.99		mg/Kg			04/21/24 17:47	1

Client Sample ID: CS-40 (0.5")

Lab Sample ID: 880-42494-40

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 16:56	04/22/24 06:41	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/20/24 16:56	04/22/24 06:41	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/20/24 16:56	04/22/24 06:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/20/24 16:56	04/22/24 06:41	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/20/24 16:56	04/22/24 06:41	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/20/24 16:56	04/22/24 06:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	152	S1+	70 - 130				04/20/24 16:56	04/22/24 06:41	1
1,4-Difluorobenzene (Surr)	124		70 - 130				04/20/24 16:56	04/22/24 06:41	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			04/22/24 06:41	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			04/21/24 04:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/19/24 16:18	04/21/24 04:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/19/24 16:18	04/21/24 04:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/19/24 16:18	04/21/24 04:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				04/19/24 16:18	04/21/24 04:31	1
o-Terphenyl	97		70 - 130				04/19/24 16:18	04/21/24 04:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18.5		5.00		mg/Kg			04/21/24 17:54	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-41 (0.5")

Lab Sample ID: 880-42494-41

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F1 *- *1	0.00199		mg/Kg		04/20/24 16:57	04/21/24 00:36	1
Toluene	<0.00199	U F1 *- *1	0.00199		mg/Kg		04/20/24 16:57	04/21/24 00:36	1
Ethylbenzene	<0.00199	U F1 *- *1	0.00199		mg/Kg		04/20/24 16:57	04/21/24 00:36	1
m-Xylene & p-Xylene	<0.00398	U F1 *- *1	0.00398		mg/Kg		04/20/24 16:57	04/21/24 00:36	1
o-Xylene	<0.00199	U F1 *- *1	0.00199		mg/Kg		04/20/24 16:57	04/21/24 00:36	1
Xylenes, Total	<0.00398	U F1 *- *1	0.00398		mg/Kg		04/20/24 16:57	04/21/24 00:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	49	S1-	70 - 130	04/20/24 16:57	04/21/24 00:36	1
1,4-Difluorobenzene (Surr)	126		70 - 130	04/20/24 16:57	04/21/24 00:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/21/24 00:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			04/20/24 11:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		04/19/24 16:20	04/20/24 11:21	1
Diesel Range Organics (Over C10-C28)	<49.7	U F1 F2	49.7		mg/Kg		04/19/24 16:20	04/20/24 11:21	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		04/19/24 16:20	04/20/24 11:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	04/19/24 16:20	04/20/24 11:21	1
o-Terphenyl	99		70 - 130	04/19/24 16:20	04/20/24 11:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	594		5.05		mg/Kg			04/21/24 17:25	1

Client Sample ID: CS-42 (0.5")

Lab Sample ID: 880-42494-42

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 16:57	04/21/24 00:57	1
Toluene	<0.00201	U *- *1	0.00201		mg/Kg		04/20/24 16:57	04/21/24 00:57	1
Ethylbenzene	<0.00201	U *- *1	0.00201		mg/Kg		04/20/24 16:57	04/21/24 00:57	1
m-Xylene & p-Xylene	<0.00402	U *- *1	0.00402		mg/Kg		04/20/24 16:57	04/21/24 00:57	1
o-Xylene	<0.00201	U *- *1	0.00201		mg/Kg		04/20/24 16:57	04/21/24 00:57	1
Xylenes, Total	<0.00402	U *- *1	0.00402		mg/Kg		04/20/24 16:57	04/21/24 00:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	04/20/24 16:57	04/21/24 00:57	1
1,4-Difluorobenzene (Surr)	84		70 - 130	04/20/24 16:57	04/21/24 00:57	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-42 (0.5")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-42
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/21/24 00:57	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<50.1	U	50.1		mg/Kg			04/20/24 12:26	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		04/19/24 16:20	04/20/24 12:26	1	
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		04/19/24 16:20	04/20/24 12:26	1	
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/19/24 16:20	04/20/24 12:26	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	78		70 - 130				04/19/24 16:20	04/20/24 12:26	1	
o-Terphenyl	84		70 - 130				04/19/24 16:20	04/20/24 12:26	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	959		5.02		mg/Kg			04/21/24 17:39	1	

Client Sample ID: CS-43 (0.5")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-43
Matrix: Solid

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		04/20/24 16:57	04/21/24 01:17	1
Toluene	<0.00202	U *- *1	0.00202		mg/Kg		04/20/24 16:57	04/21/24 01:17	1
Ethylbenzene	<0.00202	U *- *1	0.00202		mg/Kg		04/20/24 16:57	04/21/24 01:17	1
m-Xylene & p-Xylene	<0.00403	U *- *1	0.00403		mg/Kg		04/20/24 16:57	04/21/24 01:17	1
o-Xylene	<0.00202	U *- *1	0.00202		mg/Kg		04/20/24 16:57	04/21/24 01:17	1
Xylenes, Total	<0.00403	U *- *1	0.00403		mg/Kg		04/20/24 16:57	04/21/24 01:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	71		70 - 130				04/20/24 16:57	04/21/24 01:17	1
1,4-Difluorobenzene (Surr)	89		70 - 130				04/20/24 16:57	04/21/24 01:17	1
Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			04/21/24 01:17	1
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/20/24 12:48	1
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/19/24 16:20	04/20/24 12:48	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/19/24 16:20	04/20/24 12:48	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-43 (0.5")

Lab Sample ID: 880-42494-43

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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)	<49.8	U	49.8		mg/Kg		04/19/24 16:20	04/20/24 12:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				04/19/24 16:20	04/20/24 12:48	1
o-Terphenyl	82		70 - 130				04/19/24 16:20	04/20/24 12:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	933		4.99		mg/Kg			04/21/24 17:44	1

Client Sample ID: CS-44 (0.5")

Lab Sample ID: 880-42494-44

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 16:57	04/21/24 01:38	1
Toluene	<0.00199	U *- *1	0.00199		mg/Kg		04/20/24 16:57	04/21/24 01:38	1
Ethylbenzene	<0.00199	U *- *1	0.00199		mg/Kg		04/20/24 16:57	04/21/24 01:38	1
m-Xylene & p-Xylene	<0.00398	U *- *1	0.00398		mg/Kg		04/20/24 16:57	04/21/24 01:38	1
o-Xylene	<0.00199	U *- *1	0.00199		mg/Kg		04/20/24 16:57	04/21/24 01:38	1
Xylenes, Total	<0.00398	U *- *1	0.00398		mg/Kg		04/20/24 16:57	04/21/24 01:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130				04/20/24 16:57	04/21/24 01:38	1
1,4-Difluorobenzene (Surr)	80		70 - 130				04/20/24 16:57	04/21/24 01:38	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/21/24 01:38	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			04/20/24 13:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/19/24 16:20	04/20/24 13:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/19/24 16:20	04/20/24 13:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/19/24 16:20	04/20/24 13:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				04/19/24 16:20	04/20/24 13:09	1
o-Terphenyl	109		70 - 130				04/19/24 16:20	04/20/24 13:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	534		4.98		mg/Kg			04/21/24 17:49	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-45 (0.5")

Lab Sample ID: 880-42494-45

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 16:57	04/21/24 01:58	1
Toluene	<0.00200	U *- *1	0.00200		mg/Kg		04/20/24 16:57	04/21/24 01:58	1
Ethylbenzene	<0.00200	U *- *1	0.00200		mg/Kg		04/20/24 16:57	04/21/24 01:58	1
m-Xylene & p-Xylene	<0.00399	U *- *1	0.00399		mg/Kg		04/20/24 16:57	04/21/24 01:58	1
o-Xylene	<0.00200	U *- *1	0.00200		mg/Kg		04/20/24 16:57	04/21/24 01:58	1
Xylenes, Total	<0.00399	U *- *1	0.00399		mg/Kg		04/20/24 16:57	04/21/24 01:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	04/20/24 16:57	04/21/24 01:58	1
1,4-Difluorobenzene (Surr)	78		70 - 130	04/20/24 16:57	04/21/24 01:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/21/24 01:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			04/20/24 13:30	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	<49.6	U	49.6		mg/Kg		04/19/24 16:20	04/20/24 13:30	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		04/19/24 16:20	04/20/24 13:30	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		04/19/24 16:20	04/20/24 13:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	04/19/24 16:20	04/20/24 13:30	1
o-Terphenyl	103		70 - 130	04/19/24 16:20	04/20/24 13:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	131		5.05		mg/Kg			04/21/24 17:54	1

Client Sample ID: CS-46 (0.5")

Lab Sample ID: 880-42494-46

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 16:57	04/21/24 02:18	1
Toluene	<0.00200	U *- *1	0.00200		mg/Kg		04/20/24 16:57	04/21/24 02:18	1
Ethylbenzene	<0.00200	U *- *1	0.00200		mg/Kg		04/20/24 16:57	04/21/24 02:18	1
m-Xylene & p-Xylene	<0.00399	U *- *1	0.00399		mg/Kg		04/20/24 16:57	04/21/24 02:18	1
o-Xylene	<0.00200	U *- *1	0.00200		mg/Kg		04/20/24 16:57	04/21/24 02:18	1
Xylenes, Total	<0.00399	U *- *1	0.00399		mg/Kg		04/20/24 16:57	04/21/24 02:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	04/20/24 16:57	04/21/24 02:18	1
1,4-Difluorobenzene (Surr)	84		70 - 130	04/20/24 16:57	04/21/24 02:18	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-46 (0.5")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-46
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/21/24 02:18	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.8	U	49.8		mg/Kg			04/20/24 13:51	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		04/19/24 16:20	04/20/24 13:51	1	
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/19/24 16:20	04/20/24 13:51	1	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/19/24 16:20	04/20/24 13:51	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	107		70 - 130				04/19/24 16:20	04/20/24 13:51	1	
o-Terphenyl	103		70 - 130				04/19/24 16:20	04/20/24 13:51	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	28.1		5.04		mg/Kg			04/21/24 18:08	1	

Client Sample ID: CS-47 (0.5")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-47
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U *- *1	0.00202		mg/Kg		04/20/24 16:57	04/21/24 02:39	1
Toluene	<0.00202	U *- *1	0.00202		mg/Kg		04/20/24 16:57	04/21/24 02:39	1
Ethylbenzene	<0.00202	U *- *1	0.00202		mg/Kg		04/20/24 16:57	04/21/24 02:39	1
m-Xylene & p-Xylene	<0.00404	U *- *1	0.00404		mg/Kg		04/20/24 16:57	04/21/24 02:39	1
o-Xylene	<0.00202	U *- *1	0.00202		mg/Kg		04/20/24 16:57	04/21/24 02:39	1
Xylenes, Total	<0.00404	U *- *1	0.00404		mg/Kg		04/20/24 16:57	04/21/24 02:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	67	S1-	70 - 130				04/20/24 16:57	04/21/24 02:39	1
1,4-Difluorobenzene (Surr)	71		70 - 130				04/20/24 16:57	04/21/24 02:39	1
Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			04/21/24 02:39	1
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			04/20/24 14:12	1
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		04/19/24 16:20	04/20/24 14:12	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		04/19/24 16:20	04/20/24 14:12	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-47 (0.5")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-47
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		04/19/24 16:20	04/20/24 14:12	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	109		70 - 130				04/19/24 16:20	04/20/24 14:12	1	
o-Terphenyl	106		70 - 130				04/19/24 16:20	04/20/24 14:12	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	394		5.02		mg/Kg			04/21/24 18:13	1	

Client Sample ID: CS-48 (0.5")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-48
Matrix: Solid

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		04/20/24 16:57	04/21/24 02:59	1	
Toluene	<0.00200	U *- *1	0.00200		mg/Kg		04/20/24 16:57	04/21/24 02:59	1	
Ethylbenzene	<0.00200	U *- *1	0.00200		mg/Kg		04/20/24 16:57	04/21/24 02:59	1	
m-Xylene & p-Xylene	<0.00401	U *- *1	0.00401		mg/Kg		04/20/24 16:57	04/21/24 02:59	1	
o-Xylene	<0.00200	U *- *1	0.00200		mg/Kg		04/20/24 16:57	04/21/24 02:59	1	
Xylenes, Total	<0.00401	U *- *1	0.00401		mg/Kg		04/20/24 16:57	04/21/24 02:59	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	80		70 - 130				04/20/24 16:57	04/21/24 02:59	1	
1,4-Difluorobenzene (Surr)	83		70 - 130				04/20/24 16:57	04/21/24 02:59	1	
Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00401	U	0.00401		mg/Kg			04/21/24 02:59	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<50.1	U	50.1		mg/Kg			04/20/24 14:33	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		04/19/24 16:20	04/20/24 14:33	1	
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		04/19/24 16:20	04/20/24 14:33	1	
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/19/24 16:20	04/20/24 14:33	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	104		70 - 130				04/19/24 16:20	04/20/24 14:33	1	
o-Terphenyl	104		70 - 130				04/19/24 16:20	04/20/24 14:33	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	60.3		5.03		mg/Kg			04/21/24 18:18	1	

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-49 (0.5")

Lab Sample ID: 880-42494-49

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 16:57	04/21/24 03:20	1
Toluene	<0.00199	U *- *1	0.00199		mg/Kg		04/20/24 16:57	04/21/24 03:20	1
Ethylbenzene	<0.00199	U *- *1	0.00199		mg/Kg		04/20/24 16:57	04/21/24 03:20	1
m-Xylene & p-Xylene	<0.00398	U *- *1	0.00398		mg/Kg		04/20/24 16:57	04/21/24 03:20	1
o-Xylene	<0.00199	U *- *1	0.00199		mg/Kg		04/20/24 16:57	04/21/24 03:20	1
Xylenes, Total	<0.00398	U *- *1	0.00398		mg/Kg		04/20/24 16:57	04/21/24 03:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130	04/20/24 16:57	04/21/24 03:20	1
1,4-Difluorobenzene (Surr)	86		70 - 130	04/20/24 16:57	04/21/24 03:20	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			04/21/24 03:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			04/20/24 14:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		04/19/24 16:20	04/20/24 14:54	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		04/19/24 16:20	04/20/24 14:54	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		04/19/24 16:20	04/20/24 14:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130	04/19/24 16:20	04/20/24 14:54	1
o-Terphenyl	106		70 - 130	04/19/24 16:20	04/20/24 14:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	93.5		5.01		mg/Kg			04/21/24 18:23	1

Client Sample ID: CS-50 (0.5")

Lab Sample ID: 880-42494-50

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 16:57	04/21/24 03:40	1
Toluene	<0.00198	U *- *1	0.00198		mg/Kg		04/20/24 16:57	04/21/24 03:40	1
Ethylbenzene	<0.00198	U *- *1	0.00198		mg/Kg		04/20/24 16:57	04/21/24 03:40	1
m-Xylene & p-Xylene	<0.00396	U *- *1	0.00396		mg/Kg		04/20/24 16:57	04/21/24 03:40	1
o-Xylene	<0.00198	U *- *1	0.00198		mg/Kg		04/20/24 16:57	04/21/24 03:40	1
Xylenes, Total	<0.00396	U *- *1	0.00396		mg/Kg		04/20/24 16:57	04/21/24 03:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	68	S1-	70 - 130	04/20/24 16:57	04/21/24 03:40	1
1,4-Difluorobenzene (Surr)	69	S1-	70 - 130	04/20/24 16:57	04/21/24 03:40	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-50 (0.5")

Lab Sample ID: 880-42494-50

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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			04/21/24 03:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			04/20/24 15:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		04/19/24 16:20	04/20/24 15:15	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		04/19/24 16:20	04/20/24 15:15	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		04/19/24 16:20	04/20/24 15:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				04/19/24 16:20	04/20/24 15:15	1
o-Terphenyl	98		70 - 130				04/19/24 16:20	04/20/24 15:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	347		4.98		mg/Kg			04/21/24 18:28	1

Client Sample ID: CS-51 (0.5")

Lab Sample ID: 880-42494-51

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 16:57	04/21/24 05:03	1
Toluene	<0.00201	U *- *1	0.00201		mg/Kg		04/20/24 16:57	04/21/24 05:03	1
Ethylbenzene	<0.00201	U *- *1	0.00201		mg/Kg		04/20/24 16:57	04/21/24 05:03	1
m-Xylene & p-Xylene	<0.00402	U *- *1	0.00402		mg/Kg		04/20/24 16:57	04/21/24 05:03	1
o-Xylene	<0.00201	U *- *1	0.00201		mg/Kg		04/20/24 16:57	04/21/24 05:03	1
Xylenes, Total	<0.00402	U *- *1	0.00402		mg/Kg		04/20/24 16:57	04/21/24 05:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	77		70 - 130				04/20/24 16:57	04/21/24 05:03	1
1,4-Difluorobenzene (Surr)	86		70 - 130				04/20/24 16:57	04/21/24 05:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/21/24 05:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			04/20/24 15:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		04/19/24 16:20	04/20/24 15:57	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		04/19/24 16:20	04/20/24 15:57	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-51 (0.5")

Lab Sample ID: 880-42494-51

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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)	<49.7	U	49.7		mg/Kg		04/19/24 16:20	04/20/24 15:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				04/19/24 16:20	04/20/24 15:57	1
o-Terphenyl	104		70 - 130				04/19/24 16:20	04/20/24 15:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1270		24.9		mg/Kg			04/21/24 18:33	5

Client Sample ID: CS-52 (0.5")

Lab Sample ID: 880-42494-52

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 16:57	04/21/24 05:23	1
Toluene	<0.00201	U *- *1	0.00201		mg/Kg		04/20/24 16:57	04/21/24 05:23	1
Ethylbenzene	<0.00201	U *- *1	0.00201		mg/Kg		04/20/24 16:57	04/21/24 05:23	1
m-Xylene & p-Xylene	<0.00402	U *- *1	0.00402		mg/Kg		04/20/24 16:57	04/21/24 05:23	1
o-Xylene	<0.00201	U *- *1	0.00201		mg/Kg		04/20/24 16:57	04/21/24 05:23	1
Xylenes, Total	<0.00402	U *- *1	0.00402		mg/Kg		04/20/24 16:57	04/21/24 05:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130				04/20/24 16:57	04/21/24 05:23	1
1,4-Difluorobenzene (Surr)	79		70 - 130				04/20/24 16:57	04/21/24 05:23	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/21/24 05:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/20/24 16:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/19/24 16:20	04/20/24 16:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/19/24 16:20	04/20/24 16:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/19/24 16:20	04/20/24 16:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				04/19/24 16:20	04/20/24 16:19	1
o-Terphenyl	105		70 - 130				04/19/24 16:20	04/20/24 16:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	494		4.95		mg/Kg			04/21/24 18:47	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-53 (0.5")

Lab Sample ID: 880-42494-53

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 16:57	04/21/24 05:44	1
Toluene	<0.00198	U *- *1	0.00198		mg/Kg		04/20/24 16:57	04/21/24 05:44	1
Ethylbenzene	<0.00198	U *- *1	0.00198		mg/Kg		04/20/24 16:57	04/21/24 05:44	1
m-Xylene & p-Xylene	<0.00396	U *- *1	0.00396		mg/Kg		04/20/24 16:57	04/21/24 05:44	1
o-Xylene	<0.00198	U *- *1	0.00198		mg/Kg		04/20/24 16:57	04/21/24 05:44	1
Xylenes, Total	<0.00396	U *- *1	0.00396		mg/Kg		04/20/24 16:57	04/21/24 05:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130	04/20/24 16:57	04/21/24 05:44	1
1,4-Difluorobenzene (Surr)	86		70 - 130	04/20/24 16:57	04/21/24 05:44	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			04/21/24 05:44	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			04/20/24 16:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/19/24 16:20	04/20/24 16:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/19/24 16:20	04/20/24 16:39	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/19/24 16:20	04/20/24 16:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	04/19/24 16:20	04/20/24 16:39	1
o-Terphenyl	116		70 - 130	04/19/24 16:20	04/20/24 16:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	678		4.98		mg/Kg			04/21/24 18:52	1

Client Sample ID: CS-54 (0.5")

Lab Sample ID: 880-42494-54

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 16:57	04/21/24 06:04	1
Toluene	<0.00198	U *- *1	0.00198		mg/Kg		04/20/24 16:57	04/21/24 06:04	1
Ethylbenzene	<0.00198	U *- *1	0.00198		mg/Kg		04/20/24 16:57	04/21/24 06:04	1
m-Xylene & p-Xylene	<0.00397	U *- *1	0.00397		mg/Kg		04/20/24 16:57	04/21/24 06:04	1
o-Xylene	<0.00198	U *- *1	0.00198		mg/Kg		04/20/24 16:57	04/21/24 06:04	1
Xylenes, Total	<0.00397	U *- *1	0.00397		mg/Kg		04/20/24 16:57	04/21/24 06:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	04/20/24 16:57	04/21/24 06:04	1
1,4-Difluorobenzene (Surr)	79		70 - 130	04/20/24 16:57	04/21/24 06:04	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-54 (0.5")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-54
Matrix: Solid

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			04/21/24 06:04	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<50.0	U	50.0		mg/Kg			04/20/24 17:01	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		04/19/24 16:20	04/20/24 17:01	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/19/24 16:20	04/20/24 17:01	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/19/24 16:20	04/20/24 17:01	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	96		70 - 130				04/19/24 16:20	04/20/24 17:01	1	
o-Terphenyl	94		70 - 130				04/19/24 16:20	04/20/24 17:01	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	395		5.00		mg/Kg			04/21/24 19:06	1	

Client Sample ID: CS-55 (0.5")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-55
Matrix: Solid

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		04/20/24 16:57	04/21/24 06:25	1	
Toluene	<0.00200	U *- *1	0.00200		mg/Kg		04/20/24 16:57	04/21/24 06:25	1	
Ethylbenzene	<0.00200	U *- *1	0.00200		mg/Kg		04/20/24 16:57	04/21/24 06:25	1	
m-Xylene & p-Xylene	<0.00399	U *- *1	0.00399		mg/Kg		04/20/24 16:57	04/21/24 06:25	1	
o-Xylene	<0.00200	U *- *1	0.00200		mg/Kg		04/20/24 16:57	04/21/24 06:25	1	
Xylenes, Total	<0.00399	U *- *1	0.00399		mg/Kg		04/20/24 16:57	04/21/24 06:25	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	84		70 - 130				04/20/24 16:57	04/21/24 06:25	1	
1,4-Difluorobenzene (Surr)	85		70 - 130				04/20/24 16:57	04/21/24 06:25	1	

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/21/24 06:25	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.8	U	49.8		mg/Kg			04/20/24 17:22	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/19/24 16:20	04/20/24 17:22	1	
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/19/24 16:20	04/20/24 17:22	1	

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-55 (0.5")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-55
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/19/24 16:20	04/20/24 17:22	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	102		70 - 130				04/19/24 16:20	04/20/24 17:22	1	
o-Terphenyl	98		70 - 130				04/19/24 16:20	04/20/24 17:22	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	924		5.01		mg/Kg			04/21/24 19:11	1	

Client Sample ID: CS-56 (0.5")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-56
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *- *1	0.00200		mg/Kg		04/20/24 16:57	04/21/24 06:45	1
Toluene	<0.00200	U *- *1	0.00200		mg/Kg		04/20/24 16:57	04/21/24 06:45	1
Ethylbenzene	<0.00200	U *- *1	0.00200		mg/Kg		04/20/24 16:57	04/21/24 06:45	1
m-Xylene & p-Xylene	<0.00400	U *- *1	0.00400		mg/Kg		04/20/24 16:57	04/21/24 06:45	1
o-Xylene	<0.00200	U *- *1	0.00200		mg/Kg		04/20/24 16:57	04/21/24 06:45	1
Xylenes, Total	<0.00400	U *- *1	0.00400		mg/Kg		04/20/24 16:57	04/21/24 06:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	60	S1-	70 - 130				04/20/24 16:57	04/21/24 06:45	1
1,4-Difluorobenzene (Surr)	95		70 - 130				04/20/24 16:57	04/21/24 06:45	1
Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			04/21/24 06:45	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.7	U	49.7		mg/Kg			04/20/24 17:43	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		04/19/24 16:20	04/20/24 17:43	1	
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		04/19/24 16:20	04/20/24 17:43	1	
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		04/19/24 16:20	04/20/24 17:43	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	117		70 - 130				04/19/24 16:20	04/20/24 17:43	1	
o-Terphenyl	120		70 - 130				04/19/24 16:20	04/20/24 17:43	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	894		4.99		mg/Kg			04/21/24 19:16	1	

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-57 (0.5")

Lab Sample ID: 880-42494-57

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 16:57	04/21/24 07:05	1
Toluene	<0.00198	U *- *1	0.00198		mg/Kg		04/20/24 16:57	04/21/24 07:05	1
Ethylbenzene	<0.00198	U *- *1	0.00198		mg/Kg		04/20/24 16:57	04/21/24 07:05	1
m-Xylene & p-Xylene	<0.00396	U *- *1	0.00396		mg/Kg		04/20/24 16:57	04/21/24 07:05	1
o-Xylene	<0.00198	U *- *1	0.00198		mg/Kg		04/20/24 16:57	04/21/24 07:05	1
Xylenes, Total	<0.00396	U *- *1	0.00396		mg/Kg		04/20/24 16:57	04/21/24 07:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130	04/20/24 16:57	04/21/24 07:05	1
1,4-Difluorobenzene (Surr)	85		70 - 130	04/20/24 16:57	04/21/24 07:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			04/21/24 07:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			04/20/24 18:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		04/19/24 16:20	04/20/24 18:04	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		04/19/24 16:20	04/20/24 18:04	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		04/19/24 16:20	04/20/24 18:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	04/19/24 16:20	04/20/24 18:04	1
o-Terphenyl	104		70 - 130	04/19/24 16:20	04/20/24 18:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	389		5.03		mg/Kg			04/21/24 19:21	1

Client Sample ID: CS-58 (0.5")

Lab Sample ID: 880-42494-58

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 16:57	04/21/24 07:26	1
Toluene	<0.00201	U *- *1	0.00201		mg/Kg		04/20/24 16:57	04/21/24 07:26	1
Ethylbenzene	<0.00201	U *- *1	0.00201		mg/Kg		04/20/24 16:57	04/21/24 07:26	1
m-Xylene & p-Xylene	<0.00402	U *- *1	0.00402		mg/Kg		04/20/24 16:57	04/21/24 07:26	1
o-Xylene	<0.00201	U *- *1	0.00201		mg/Kg		04/20/24 16:57	04/21/24 07:26	1
Xylenes, Total	<0.00402	U *- *1	0.00402		mg/Kg		04/20/24 16:57	04/21/24 07:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	36	S1-	70 - 130	04/20/24 16:57	04/21/24 07:26	1
1,4-Difluorobenzene (Surr)	127		70 - 130	04/20/24 16:57	04/21/24 07:26	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-58 (0.5")

Lab Sample ID: 880-42494-58

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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			04/21/24 07:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			04/20/24 18:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		04/19/24 16:20	04/20/24 18:25	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		04/19/24 16:20	04/20/24 18:25	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		04/19/24 16:20	04/20/24 18:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				04/19/24 16:20	04/20/24 18:25	1
o-Terphenyl	88		70 - 130				04/19/24 16:20	04/20/24 18:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	190		5.02		mg/Kg			04/21/24 19:26	1

Client Sample ID: CS-59 (0.5")

Lab Sample ID: 880-42494-59

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 16:57	04/21/24 07:47	1
Toluene	<0.00202	U *- *1	0.00202		mg/Kg		04/20/24 16:57	04/21/24 07:47	1
Ethylbenzene	<0.00202	U *- *1	0.00202		mg/Kg		04/20/24 16:57	04/21/24 07:47	1
m-Xylene & p-Xylene	<0.00403	U *- *1	0.00403		mg/Kg		04/20/24 16:57	04/21/24 07:47	1
o-Xylene	<0.00202	U *- *1	0.00202		mg/Kg		04/20/24 16:57	04/21/24 07:47	1
Xylenes, Total	<0.00403	U *- *1	0.00403		mg/Kg		04/20/24 16:57	04/21/24 07:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130				04/20/24 16:57	04/21/24 07:47	1
1,4-Difluorobenzene (Surr)	85		70 - 130				04/20/24 16:57	04/21/24 07:47	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			04/21/24 07:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			04/20/24 18:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		04/19/24 16:20	04/20/24 18:46	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		04/19/24 16:20	04/20/24 18:46	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-59 (0.5")

Lab Sample ID: 880-42494-59

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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)	<50.4	U	50.4		mg/Kg		04/19/24 16:20	04/20/24 18:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				04/19/24 16:20	04/20/24 18:46	1
o-Terphenyl	107		70 - 130				04/19/24 16:20	04/20/24 18:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	887		5.05		mg/Kg			04/21/24 19:31	1

Client Sample ID: CS-60 (0.5")

Lab Sample ID: 880-42494-60

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 16:57	04/21/24 08:07	1
Toluene	<0.00199	U *- *1	0.00199		mg/Kg		04/20/24 16:57	04/21/24 08:07	1
Ethylbenzene	<0.00199	U *- *1	0.00199		mg/Kg		04/20/24 16:57	04/21/24 08:07	1
m-Xylene & p-Xylene	<0.00398	U *- *1	0.00398		mg/Kg		04/20/24 16:57	04/21/24 08:07	1
o-Xylene	<0.00199	U *- *1	0.00199		mg/Kg		04/20/24 16:57	04/21/24 08:07	1
Xylenes, Total	<0.00398	U *- *1	0.00398		mg/Kg		04/20/24 16:57	04/21/24 08:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	60	S1-	70 - 130				04/20/24 16:57	04/21/24 08:07	1
1,4-Difluorobenzene (Surr)	94		70 - 130				04/20/24 16:57	04/21/24 08:07	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			04/21/24 08:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			04/20/24 19:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		04/19/24 16:20	04/20/24 19:07	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		04/19/24 16:20	04/20/24 19:07	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		04/19/24 16:20	04/20/24 19:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				04/19/24 16:20	04/20/24 19:07	1
o-Terphenyl	84		70 - 130				04/19/24 16:20	04/20/24 19:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	299		4.97		mg/Kg			04/21/24 19:35	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-61 (0.5")

Lab Sample ID: 880-42494-61

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 16:58	04/21/24 11:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/20/24 16:58	04/21/24 11:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/20/24 16:58	04/21/24 11:13	1
m-Xylene & p-Xylene	<0.00398	U F1	0.00398		mg/Kg		04/20/24 16:58	04/21/24 11:13	1
o-Xylene	<0.00199	U F1	0.00199		mg/Kg		04/20/24 16:58	04/21/24 11:13	1
Xylenes, Total	<0.00398	U F1	0.00398		mg/Kg		04/20/24 16:58	04/21/24 11:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130	04/20/24 16:58	04/21/24 11:13	1
1,4-Difluorobenzene (Surr)	87		70 - 130	04/20/24 16:58	04/21/24 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			04/21/24 11:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/20/24 20:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U F2	49.8		mg/Kg		04/19/24 17:30	04/20/24 20:52	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/19/24 17:30	04/20/24 20:52	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/19/24 17:30	04/20/24 20:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	04/19/24 17:30	04/20/24 20:52	1
o-Terphenyl	116		70 - 130	04/19/24 17:30	04/20/24 20:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1250	B	25.1		mg/Kg			04/21/24 18:45	5

Client Sample ID: CS-62 (0.5")

Lab Sample ID: 880-42494-62

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 16:58	04/21/24 11:34	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/20/24 16:58	04/21/24 11:34	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/20/24 16:58	04/21/24 11:34	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/20/24 16:58	04/21/24 11:34	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/20/24 16:58	04/21/24 11:34	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/20/24 16:58	04/21/24 11:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	74		70 - 130	04/20/24 16:58	04/21/24 11:34	1
1,4-Difluorobenzene (Surr)	90		70 - 130	04/20/24 16:58	04/21/24 11:34	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-62 (0.5")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-62
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/21/24 11:34	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<50.4	U	50.4		mg/Kg			04/20/24 21:55	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		04/19/24 17:30	04/20/24 21:55	1	
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		04/19/24 17:30	04/20/24 21:55	1	
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		04/19/24 17:30	04/20/24 21:55	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	108		70 - 130				04/19/24 17:30	04/20/24 21:55	1	
o-Terphenyl	111		70 - 130				04/19/24 17:30	04/20/24 21:55	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	1740	B	24.9		mg/Kg			04/21/24 19:03	5	

Client Sample ID: CS-63 (0.5")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-63
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		04/20/24 16:58	04/21/24 11:54	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/20/24 16:58	04/21/24 11:54	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/20/24 16:58	04/21/24 11:54	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		04/20/24 16:58	04/21/24 11:54	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/20/24 16:58	04/21/24 11:54	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/20/24 16:58	04/21/24 11:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130				04/20/24 16:58	04/21/24 11:54	1
1,4-Difluorobenzene (Surr)	85		70 - 130				04/20/24 16:58	04/21/24 11:54	1
Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			04/21/24 11:54	1
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			04/20/24 22:16	1
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		04/19/24 17:30	04/20/24 22:16	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		04/19/24 17:30	04/20/24 22:16	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-63 (0.5")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-63
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		04/19/24 17:30	04/20/24 22:16	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	101		70 - 130				04/19/24 17:30	04/20/24 22:16	1	
o-Terphenyl	93		70 - 130				04/19/24 17:30	04/20/24 22:16	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	1070	B	5.04		mg/Kg			04/21/24 19:10	1	

Client Sample ID: CS-64 (0.5")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-64
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		04/20/24 16:58	04/21/24 12:15	1	
Toluene	<0.00199	U	0.00199		mg/Kg		04/20/24 16:58	04/21/24 12:15	1	
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/20/24 16:58	04/21/24 12:15	1	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/20/24 16:58	04/21/24 12:15	1	
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/20/24 16:58	04/21/24 12:15	1	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/20/24 16:58	04/21/24 12:15	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	77		70 - 130				04/20/24 16:58	04/21/24 12:15	1	
1,4-Difluorobenzene (Surr)	83		70 - 130				04/20/24 16:58	04/21/24 12:15	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			04/21/24 12:15	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<50.0	U	50.0		mg/Kg			04/20/24 22:37	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		04/19/24 17:30	04/20/24 22:37	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/19/24 17:30	04/20/24 22:37	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/19/24 17:30	04/20/24 22:37	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	122		70 - 130				04/19/24 17:30	04/20/24 22:37	1	
o-Terphenyl	132	S1+	70 - 130				04/19/24 17:30	04/20/24 22:37	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	400	B	5.05		mg/Kg			04/21/24 19:16	1	

Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-65 (0.5")

Lab Sample ID: 880-42494-65

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 16:58	04/21/24 12:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/20/24 16:58	04/21/24 12:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/20/24 16:58	04/21/24 12:35	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/20/24 16:58	04/21/24 12:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/20/24 16:58	04/21/24 12:35	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/20/24 16:58	04/21/24 12:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	62	S1-	70 - 130	04/20/24 16:58	04/21/24 12:35	1
1,4-Difluorobenzene (Surr)	76		70 - 130	04/20/24 16:58	04/21/24 12:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/21/24 12:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/20/24 22:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/19/24 17:30	04/20/24 22:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/19/24 17:30	04/20/24 22:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/19/24 17:30	04/20/24 22:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130	04/19/24 17:30	04/20/24 22:58	1
o-Terphenyl	102		70 - 130	04/19/24 17:30	04/20/24 22:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	145	B	4.97		mg/Kg			04/21/24 19:22	1

Client Sample ID: CS-66 (0.5")

Lab Sample ID: 880-42494-66

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 16:58	04/21/24 12:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/20/24 16:58	04/21/24 12:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/20/24 16:58	04/21/24 12:56	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/20/24 16:58	04/21/24 12:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/20/24 16:58	04/21/24 12:56	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/20/24 16:58	04/21/24 12:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	04/20/24 16:58	04/21/24 12:56	1
1,4-Difluorobenzene (Surr)	87		70 - 130	04/20/24 16:58	04/21/24 12:56	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-66 (0.5")

Lab Sample ID: 880-42494-66

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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			04/21/24 12:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/20/24 23:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/19/24 17:30	04/20/24 23:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/19/24 17:30	04/20/24 23:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/19/24 17:30	04/20/24 23:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				04/19/24 17:30	04/20/24 23:19	1
o-Terphenyl	110		70 - 130				04/19/24 17:30	04/20/24 23:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42.5		4.97		mg/Kg			04/22/24 18:08	1

Client Sample ID: CS-67 (0.5")

Lab Sample ID: 880-42494-67

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 16:58	04/21/24 13:16	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/20/24 16:58	04/21/24 13:16	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/20/24 16:58	04/21/24 13:16	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/20/24 16:58	04/21/24 13:16	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/20/24 16:58	04/21/24 13:16	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/20/24 16:58	04/21/24 13:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				04/20/24 16:58	04/21/24 13:16	1
1,4-Difluorobenzene (Surr)	84		70 - 130				04/20/24 16:58	04/21/24 13:16	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			04/21/24 13:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			04/20/24 23:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		04/19/24 17:30	04/20/24 23:40	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		04/19/24 17:30	04/20/24 23:40	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-67 (0.5")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-67
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		04/19/24 17:30	04/20/24 23:40	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	113		70 - 130				04/19/24 17:30	04/20/24 23:40	1	
o-Terphenyl	128		70 - 130				04/19/24 17:30	04/20/24 23:40	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	85.3	B	4.97		mg/Kg			04/21/24 19:48	1	

Client Sample ID: CS-68 (0.5")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-68
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		04/20/24 16:58	04/21/24 13:37	1	
Toluene	<0.00200	U	0.00200		mg/Kg		04/20/24 16:58	04/21/24 13:37	1	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/20/24 16:58	04/21/24 13:37	1	
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/20/24 16:58	04/21/24 13:37	1	
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/20/24 16:58	04/21/24 13:37	1	
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/20/24 16:58	04/21/24 13:37	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	37	S1-	70 - 130				04/20/24 16:58	04/21/24 13:37	1	
1,4-Difluorobenzene (Surr)	77		70 - 130				04/20/24 16:58	04/21/24 13:37	1	
Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00401	U	0.00401		mg/Kg			04/21/24 13:37	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.6	U	49.6		mg/Kg			04/21/24 00:01	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	<49.6	U	49.6		mg/Kg		04/19/24 17:30	04/21/24 00:01	1	
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		04/19/24 17:30	04/21/24 00:01	1	
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		04/19/24 17:30	04/21/24 00:01	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	107		70 - 130				04/19/24 17:30	04/21/24 00:01	1	
o-Terphenyl	107		70 - 130				04/19/24 17:30	04/21/24 00:01	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	117	B	4.96		mg/Kg			04/21/24 19:54	1	

Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-69 (0.5")

Lab Sample ID: 880-42494-69

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 16:58	04/21/24 13:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/20/24 16:58	04/21/24 13:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/20/24 16:58	04/21/24 13:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/20/24 16:58	04/21/24 13:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/20/24 16:58	04/21/24 13:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/20/24 16:58	04/21/24 13:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	67	S1-	70 - 130	04/20/24 16:58	04/21/24 13:57	1
1,4-Difluorobenzene (Surr)	71		70 - 130	04/20/24 16:58	04/21/24 13:57	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/21/24 13:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			04/21/24 00:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		04/19/24 17:30	04/21/24 00:22	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		04/19/24 17:30	04/21/24 00:22	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		04/19/24 17:30	04/21/24 00:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	04/19/24 17:30	04/21/24 00:22	1
o-Terphenyl	123		70 - 130	04/19/24 17:30	04/21/24 00:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	146	B	5.01		mg/Kg			04/21/24 20:00	1

Client Sample ID: CS-70 (0.5")

Lab Sample ID: 880-42494-70

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 16:58	04/21/24 14:18	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/20/24 16:58	04/21/24 14:18	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/20/24 16:58	04/21/24 14:18	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/20/24 16:58	04/21/24 14:18	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/20/24 16:58	04/21/24 14:18	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/20/24 16:58	04/21/24 14:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130	04/20/24 16:58	04/21/24 14:18	1
1,4-Difluorobenzene (Surr)	88		70 - 130	04/20/24 16:58	04/21/24 14:18	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-70 (0.5")

Lab Sample ID: 880-42494-70

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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			04/21/24 14:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			04/21/24 00:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		04/19/24 17:30	04/21/24 00:43	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		04/19/24 17:30	04/21/24 00:43	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		04/19/24 17:30	04/21/24 00:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				04/19/24 17:30	04/21/24 00:43	1
o-Terphenyl	115		70 - 130				04/19/24 17:30	04/21/24 00:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	242	B	5.02		mg/Kg			04/21/24 20:07	1

Client Sample ID: CS-71 (0.5")

Lab Sample ID: 880-42494-71

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 16:58	04/21/24 15:40	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/20/24 16:58	04/21/24 15:40	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/20/24 16:58	04/21/24 15:40	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/20/24 16:58	04/21/24 15:40	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/20/24 16:58	04/21/24 15:40	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/20/24 16:58	04/21/24 15:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		70 - 130				04/20/24 16:58	04/21/24 15:40	1
1,4-Difluorobenzene (Surr)	80		70 - 130				04/20/24 16:58	04/21/24 15:40	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/21/24 15:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			04/21/24 01:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		04/19/24 17:30	04/21/24 01:24	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		04/19/24 17:30	04/21/24 01:24	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-71 (0.5")

Lab Sample ID: 880-42494-71

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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)	<50.5	U	50.5		mg/Kg		04/19/24 17:30	04/21/24 01:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				04/19/24 17:30	04/21/24 01:24	1
o-Terphenyl	94		70 - 130				04/19/24 17:30	04/21/24 01:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	362	F1 B	5.04		mg/Kg			04/21/24 20:13	1

Client Sample ID: CS-72 (0.5")

Lab Sample ID: 880-42494-72

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 16:58	04/21/24 16:00	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/20/24 16:58	04/21/24 16:00	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/20/24 16:58	04/21/24 16:00	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/20/24 16:58	04/21/24 16:00	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/20/24 16:58	04/21/24 16:00	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/20/24 16:58	04/21/24 16:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130				04/20/24 16:58	04/21/24 16:00	1
1,4-Difluorobenzene (Surr)	76		70 - 130				04/20/24 16:58	04/21/24 16:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/21/24 16:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/21/24 01:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/19/24 17:30	04/21/24 01:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/19/24 17:30	04/21/24 01:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/19/24 17:30	04/21/24 01:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				04/19/24 17:30	04/21/24 01:45	1
o-Terphenyl	100		70 - 130				04/19/24 17:30	04/21/24 01:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	662	B	4.99		mg/Kg			04/21/24 20:32	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-73 (0.5")

Lab Sample ID: 880-42494-73

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 16:58	04/21/24 16:21	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/20/24 16:58	04/21/24 16:21	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/20/24 16:58	04/21/24 16:21	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/20/24 16:58	04/21/24 16:21	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/20/24 16:58	04/21/24 16:21	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/20/24 16:58	04/21/24 16:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130				04/20/24 16:58	04/21/24 16:21	1
1,4-Difluorobenzene (Surr)	82		70 - 130				04/20/24 16:58	04/21/24 16:21	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			04/21/24 16:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/21/24 02:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/19/24 17:30	04/21/24 02:05	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/19/24 17:30	04/21/24 02:05	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/19/24 17:30	04/21/24 02:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				04/19/24 17:30	04/21/24 02:05	1
o-Terphenyl	96		70 - 130				04/19/24 17:30	04/21/24 02:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	760	B	4.98		mg/Kg			04/21/24 20:38	1

Client Sample ID: CS-74 (0.5")

Lab Sample ID: 880-42494-74

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 16:58	04/21/24 16:41	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/20/24 16:58	04/21/24 16:41	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/20/24 16:58	04/21/24 16:41	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		04/20/24 16:58	04/21/24 16:41	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/20/24 16:58	04/21/24 16:41	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		04/20/24 16:58	04/21/24 16:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130				04/20/24 16:58	04/21/24 16:41	1
1,4-Difluorobenzene (Surr)	84		70 - 130				04/20/24 16:58	04/21/24 16:41	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-74 (0.5")

Lab Sample ID: 880-42494-74

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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			04/21/24 16:41	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			04/21/24 02:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/19/24 17:30	04/21/24 02:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/19/24 17:30	04/21/24 02:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/19/24 17:30	04/21/24 02:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				04/19/24 17:30	04/21/24 02:26	1
o-Terphenyl	115		70 - 130				04/19/24 17:30	04/21/24 02:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	374	B	4.98		mg/Kg			04/21/24 20:57	1

Client Sample ID: CS-75 (0.5")

Lab Sample ID: 880-42494-75

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 16:58	04/21/24 17:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/20/24 16:58	04/21/24 17:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/20/24 16:58	04/21/24 17:01	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/20/24 16:58	04/21/24 17:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/20/24 16:58	04/21/24 17:01	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/20/24 16:58	04/21/24 17:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				04/20/24 16:58	04/21/24 17:01	1
1,4-Difluorobenzene (Surr)	77		70 - 130				04/20/24 16:58	04/21/24 17:01	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/21/24 17:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			04/21/24 02:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		04/19/24 17:30	04/21/24 02:47	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		04/19/24 17:30	04/21/24 02:47	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-75 (0.5")

Lab Sample ID: 880-42494-75

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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)	<49.6	U	49.6		mg/Kg		04/19/24 17:30	04/21/24 02:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				04/19/24 17:30	04/21/24 02:47	1
o-Terphenyl	99		70 - 130				04/19/24 17:30	04/21/24 02:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	340	B	5.04		mg/Kg			04/21/24 21:03	1

Client Sample ID: CS-76 (0.5")

Lab Sample ID: 880-42494-76

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 16:58	04/21/24 17:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/20/24 16:58	04/21/24 17:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/20/24 16:58	04/21/24 17:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/20/24 16:58	04/21/24 17:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/20/24 16:58	04/21/24 17:22	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/20/24 16:58	04/21/24 17:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		70 - 130				04/20/24 16:58	04/21/24 17:22	1
1,4-Difluorobenzene (Surr)	81		70 - 130				04/20/24 16:58	04/21/24 17:22	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			04/21/24 17:22	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			04/21/24 03:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		04/19/24 17:30	04/21/24 03:08	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		04/19/24 17:30	04/21/24 03:08	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/19/24 17:30	04/21/24 03:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				04/19/24 17:30	04/21/24 03:08	1
o-Terphenyl	116		70 - 130				04/19/24 17:30	04/21/24 03:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	54.7		5.03		mg/Kg			04/22/24 18:15	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-77 (0.5")

Lab Sample ID: 880-42494-77

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 16:58	04/21/24 17:42	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/20/24 16:58	04/21/24 17:42	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/20/24 16:58	04/21/24 17:42	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/20/24 16:58	04/21/24 17:42	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/20/24 16:58	04/21/24 17:42	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/20/24 16:58	04/21/24 17:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		70 - 130				04/20/24 16:58	04/21/24 17:42	1
1,4-Difluorobenzene (Surr)	79		70 - 130				04/20/24 16:58	04/21/24 17:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			04/21/24 17:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			04/21/24 03:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		04/19/24 17:30	04/21/24 03:29	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		04/19/24 17:30	04/21/24 03:29	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		04/19/24 17:30	04/21/24 03:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				04/19/24 17:30	04/21/24 03:29	1
o-Terphenyl	94		70 - 130				04/19/24 17:30	04/21/24 03:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	181	B	5.01		mg/Kg			04/21/24 21:16	1

Client Sample ID: CS-78 (0.5")

Lab Sample ID: 880-42494-78

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 16:58	04/21/24 18:03	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/20/24 16:58	04/21/24 18:03	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/20/24 16:58	04/21/24 18:03	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/20/24 16:58	04/21/24 18:03	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/20/24 16:58	04/21/24 18:03	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/20/24 16:58	04/21/24 18:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130				04/20/24 16:58	04/21/24 18:03	1
1,4-Difluorobenzene (Surr)	84		70 - 130				04/20/24 16:58	04/21/24 18:03	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-78 (0.5")

Lab Sample ID: 880-42494-78

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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			04/21/24 18:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/21/24 03:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/19/24 17:30	04/21/24 03:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/19/24 17:30	04/21/24 03:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/19/24 17:30	04/21/24 03:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				04/19/24 17:30	04/21/24 03:50	1
o-Terphenyl	118		70 - 130				04/19/24 17:30	04/21/24 03:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	65.7	B	4.97		mg/Kg			04/21/24 21:22	1

Client Sample ID: CS-79 (0.5")

Lab Sample ID: 880-42494-79

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 16:58	04/21/24 18:23	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/20/24 16:58	04/21/24 18:23	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/20/24 16:58	04/21/24 18:23	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		04/20/24 16:58	04/21/24 18:23	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/20/24 16:58	04/21/24 18:23	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/20/24 16:58	04/21/24 18:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	70		70 - 130				04/20/24 16:58	04/21/24 18:23	1
1,4-Difluorobenzene (Surr)	100		70 - 130				04/20/24 16:58	04/21/24 18:23	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			04/21/24 18:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/21/24 04:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/19/24 17:30	04/21/24 04:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/19/24 17:30	04/21/24 04:10	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-79 (0.5")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-79
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/19/24 17:30	04/21/24 04:10	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	103		70 - 130				04/19/24 17:30	04/21/24 04:10	1	
o-Terphenyl	106		70 - 130				04/19/24 17:30	04/21/24 04:10	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	93.1	B	4.99		mg/Kg			04/21/24 21:29	1	

Client Sample ID: CS-80 (0.5")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-80
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		04/20/24 16:58	04/21/24 18:44	1	
Toluene	<0.00199	U	0.00199		mg/Kg		04/20/24 16:58	04/21/24 18:44	1	
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/20/24 16:58	04/21/24 18:44	1	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/20/24 16:58	04/21/24 18:44	1	
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/20/24 16:58	04/21/24 18:44	1	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/20/24 16:58	04/21/24 18:44	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	84		70 - 130				04/20/24 16:58	04/21/24 18:44	1	
1,4-Difluorobenzene (Surr)	80		70 - 130				04/20/24 16:58	04/21/24 18:44	1	
Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/21/24 18:44	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			04/21/24 04:31	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/19/24 17:30	04/21/24 04:31	1	
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/19/24 17:30	04/21/24 04:31	1	
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/19/24 17:30	04/21/24 04:31	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	106		70 - 130				04/19/24 17:30	04/21/24 04:31	1	
o-Terphenyl	115		70 - 130				04/19/24 17:30	04/21/24 04:31	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	220	B	4.99		mg/Kg			04/21/24 21:35	1	

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-81 (0.5")

Lab Sample ID: 880-42494-81

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 17:00	04/21/24 21:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/20/24 17:00	04/21/24 21:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/20/24 17:00	04/21/24 21:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/20/24 17:00	04/21/24 21:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/20/24 17:00	04/21/24 21:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/20/24 17:00	04/21/24 21:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130	04/20/24 17:00	04/21/24 21:50	1
1,4-Difluorobenzene (Surr)	85		70 - 130	04/20/24 17:00	04/21/24 21:50	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			04/21/24 21:50	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			04/20/24 11:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	49.9		mg/Kg		04/19/24 17:32	04/20/24 11:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/19/24 17:32	04/20/24 11:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/19/24 17:32	04/20/24 11:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130	04/19/24 17:32	04/20/24 11:20	1
o-Terphenyl	73		70 - 130	04/19/24 17:32	04/20/24 11:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	181		4.99		mg/Kg			04/21/24 20:14	1

Client Sample ID: CS-82 (0.5")

Lab Sample ID: 880-42494-82

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 17:00	04/21/24 22:11	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/20/24 17:00	04/21/24 22:11	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/20/24 17:00	04/21/24 22:11	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/20/24 17:00	04/21/24 22:11	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/20/24 17:00	04/21/24 22:11	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/20/24 17:00	04/21/24 22:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130	04/20/24 17:00	04/21/24 22:11	1
1,4-Difluorobenzene (Surr)	84		70 - 130	04/20/24 17:00	04/21/24 22:11	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-82 (0.5")

Lab Sample ID: 880-42494-82

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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			04/21/24 22:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			04/20/24 12:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		04/19/24 17:32	04/20/24 12:27	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		04/19/24 17:32	04/20/24 12:27	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		04/19/24 17:32	04/20/24 12:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130				04/19/24 17:32	04/20/24 12:27	1
o-Terphenyl	72		70 - 130				04/19/24 17:32	04/20/24 12:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	353		5.03		mg/Kg			04/21/24 20:29	1

Client Sample ID: CS-83 (0.5")

Lab Sample ID: 880-42494-83

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 17:00	04/21/24 22:31	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/20/24 17:00	04/21/24 22:31	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/20/24 17:00	04/21/24 22:31	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		04/20/24 17:00	04/21/24 22:31	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/20/24 17:00	04/21/24 22:31	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/20/24 17:00	04/21/24 22:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130				04/20/24 17:00	04/21/24 22:31	1
1,4-Difluorobenzene (Surr)	80		70 - 130				04/20/24 17:00	04/21/24 22:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			04/21/24 22:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			04/20/24 12:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		04/19/24 17:32	04/20/24 12:49	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		04/19/24 17:32	04/20/24 12:49	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-83 (0.5")

Lab Sample ID: 880-42494-83

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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)	<49.7	U	49.7		mg/Kg		04/19/24 17:32	04/20/24 12:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130				04/19/24 17:32	04/20/24 12:49	1
o-Terphenyl	71		70 - 130				04/19/24 17:32	04/20/24 12:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	851		5.04		mg/Kg			04/21/24 20:34	1

Client Sample ID: CS-84 (0.5")

Lab Sample ID: 880-42494-84

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 17:00	04/21/24 22:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/20/24 17:00	04/21/24 22:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/20/24 17:00	04/21/24 22:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/20/24 17:00	04/21/24 22:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/20/24 17:00	04/21/24 22:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/20/24 17:00	04/21/24 22:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130				04/20/24 17:00	04/21/24 22:52	1
1,4-Difluorobenzene (Surr)	88		70 - 130				04/20/24 17:00	04/21/24 22:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/21/24 22:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/20/24 13:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/19/24 17:32	04/20/24 13:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/19/24 17:32	04/20/24 13:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/19/24 17:32	04/20/24 13:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130				04/19/24 17:32	04/20/24 13:11	1
o-Terphenyl	77		70 - 130				04/19/24 17:32	04/20/24 13:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	281		4.99		mg/Kg			04/21/24 20:38	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-85 (0.5")

Lab Sample ID: 880-42494-85

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 17:00	04/21/24 23:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/20/24 17:00	04/21/24 23:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/20/24 17:00	04/21/24 23:12	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/20/24 17:00	04/21/24 23:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/20/24 17:00	04/21/24 23:12	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/20/24 17:00	04/21/24 23:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130	04/20/24 17:00	04/21/24 23:12	1
1,4-Difluorobenzene (Surr)	85		70 - 130	04/20/24 17:00	04/21/24 23:12	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			04/21/24 23:12	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			04/20/24 13:32	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		04/19/24 17:32	04/20/24 13:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/19/24 17:32	04/20/24 13:32	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/19/24 17:32	04/20/24 13:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130	04/19/24 17:32	04/20/24 13:32	1
o-Terphenyl	73		70 - 130	04/19/24 17:32	04/20/24 13:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	306		5.04		mg/Kg			04/21/24 20:43	1

Client Sample ID: CS-86 (0.5")

Lab Sample ID: 880-42494-86

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 17:00	04/21/24 23:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/20/24 17:00	04/21/24 23:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/20/24 17:00	04/21/24 23:32	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/20/24 17:00	04/21/24 23:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/20/24 17:00	04/21/24 23:32	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/20/24 17:00	04/21/24 23:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	04/20/24 17:00	04/21/24 23:32	1
1,4-Difluorobenzene (Surr)	86		70 - 130	04/20/24 17:00	04/21/24 23:32	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-86 (0.5")

Lab Sample ID: 880-42494-86

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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			04/21/24 23:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/20/24 13:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/19/24 17:32	04/20/24 13:52	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/19/24 17:32	04/20/24 13:52	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/19/24 17:32	04/20/24 13:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				04/19/24 17:32	04/20/24 13:52	1
o-Terphenyl	73		70 - 130				04/19/24 17:32	04/20/24 13:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	57.1		5.00		mg/Kg			04/21/24 20:58	1

Client Sample ID: CS-87 (0.5")

Lab Sample ID: 880-42494-87

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 17:00	04/21/24 23:53	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/20/24 17:00	04/21/24 23:53	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/20/24 17:00	04/21/24 23:53	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/20/24 17:00	04/21/24 23:53	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/20/24 17:00	04/21/24 23:53	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/20/24 17:00	04/21/24 23:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130				04/20/24 17:00	04/21/24 23:53	1
1,4-Difluorobenzene (Surr)	87		70 - 130				04/20/24 17:00	04/21/24 23:53	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			04/21/24 23:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			04/20/24 14:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		04/19/24 17:32	04/20/24 14:11	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		04/19/24 17:32	04/20/24 14:11	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-87 (0.5")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-87
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		04/19/24 17:32	04/20/24 14:11	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	79		70 - 130				04/19/24 17:32	04/20/24 14:11	1	
o-Terphenyl	76		70 - 130				04/19/24 17:32	04/20/24 14:11	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	486		5.05		mg/Kg			04/21/24 21:03	1	

Client Sample ID: CS-88 (0.5")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-88
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		04/20/24 17:00	04/22/24 00:13	1	
Toluene	<0.00200	U	0.00200		mg/Kg		04/20/24 17:00	04/22/24 00:13	1	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/20/24 17:00	04/22/24 00:13	1	
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/20/24 17:00	04/22/24 00:13	1	
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/20/24 17:00	04/22/24 00:13	1	
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/20/24 17:00	04/22/24 00:13	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	83		70 - 130				04/20/24 17:00	04/22/24 00:13	1	
1,4-Difluorobenzene (Surr)	85		70 - 130				04/20/24 17:00	04/22/24 00:13	1	

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00401	U	0.00401		mg/Kg			04/22/24 00:13	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<50.2	U	50.2		mg/Kg			04/20/24 14:32	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	<50.2	U	50.2		mg/Kg		04/19/24 17:32	04/20/24 14:32	1	
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		04/19/24 17:32	04/20/24 14:32	1	
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		04/19/24 17:32	04/20/24 14:32	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	0.02	S1-	70 - 130				04/19/24 17:32	04/20/24 14:32	1	
o-Terphenyl	0.06	S1-	70 - 130				04/19/24 17:32	04/20/24 14:32	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	136		5.00		mg/Kg			04/21/24 21:07	1	

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-89 (0.5")

Lab Sample ID: 880-42494-89

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 17:00	04/22/24 00:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/20/24 17:00	04/22/24 00:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/20/24 17:00	04/22/24 00:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/20/24 17:00	04/22/24 00:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/20/24 17:00	04/22/24 00:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/20/24 17:00	04/22/24 00:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	63	S1-	70 - 130	04/20/24 17:00	04/22/24 00:34	1
1,4-Difluorobenzene (Surr)	87		70 - 130	04/20/24 17:00	04/22/24 00:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/22/24 00:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			04/20/24 14:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		04/19/24 17:32	04/20/24 14:52	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		04/19/24 17:32	04/20/24 14:52	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		04/19/24 17:32	04/20/24 14:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130	04/19/24 17:32	04/20/24 14:52	1
o-Terphenyl	75		70 - 130	04/19/24 17:32	04/20/24 14:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	244		5.04		mg/Kg			04/21/24 21:12	1

Client Sample ID: CS-90 (0.5")

Lab Sample ID: 880-42494-90

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 17:00	04/22/24 00:54	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/20/24 17:00	04/22/24 00:54	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/20/24 17:00	04/22/24 00:54	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/20/24 17:00	04/22/24 00:54	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/20/24 17:00	04/22/24 00:54	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/20/24 17:00	04/22/24 00:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	60	S1-	70 - 130	04/20/24 17:00	04/22/24 00:54	1
1,4-Difluorobenzene (Surr)	88		70 - 130	04/20/24 17:00	04/22/24 00:54	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-90 (0.5")

Lab Sample ID: 880-42494-90

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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			04/22/24 00:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			04/20/24 15:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		04/19/24 17:32	04/20/24 15:12	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		04/19/24 17:32	04/20/24 15:12	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		04/19/24 17:32	04/20/24 15:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				04/19/24 17:32	04/20/24 15:12	1
o-Terphenyl	80		70 - 130				04/19/24 17:32	04/20/24 15:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	972		4.97		mg/Kg			04/21/24 21:17	1

Client Sample ID: CS-91 (0.5")

Lab Sample ID: 880-42494-91

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 17:00	04/22/24 02:14	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/20/24 17:00	04/22/24 02:14	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/20/24 17:00	04/22/24 02:14	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/20/24 17:00	04/22/24 02:14	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/20/24 17:00	04/22/24 02:14	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/20/24 17:00	04/22/24 02:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	75		70 - 130				04/20/24 17:00	04/22/24 02:14	1
1,4-Difluorobenzene (Surr)	84		70 - 130				04/20/24 17:00	04/22/24 02:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/22/24 02:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/20/24 15:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/19/24 17:32	04/20/24 15:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/19/24 17:32	04/20/24 15:54	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-91 (0.5")

Lab Sample ID: 880-42494-91

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/19/24 17:32	04/20/24 15:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				04/19/24 17:32	04/20/24 15:54	1
o-Terphenyl	83		70 - 130				04/19/24 17:32	04/20/24 15:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	188		5.01		mg/Kg			04/21/24 21:22	1

Client Sample ID: CS-92 (0.5")

Lab Sample ID: 880-42494-92

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 17:00	04/22/24 02:35	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/20/24 17:00	04/22/24 02:35	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/20/24 17:00	04/22/24 02:35	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/20/24 17:00	04/22/24 02:35	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/20/24 17:00	04/22/24 02:35	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/20/24 17:00	04/22/24 02:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				04/20/24 17:00	04/22/24 02:35	1
1,4-Difluorobenzene (Surr)	85		70 - 130				04/20/24 17:00	04/22/24 02:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/22/24 02:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	129		49.9		mg/Kg			04/20/24 16:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/19/24 17:32	04/20/24 16:14	1
Diesel Range Organics (Over C10-C28)	129		49.9		mg/Kg		04/19/24 17:32	04/20/24 16:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/19/24 17:32	04/20/24 16:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				04/19/24 17:32	04/20/24 16:14	1
o-Terphenyl	81		70 - 130				04/19/24 17:32	04/20/24 16:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	344		5.04		mg/Kg			04/21/24 21:36	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-93 (0.5")

Lab Sample ID: 880-42494-93

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 17:00	04/22/24 02:56	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/20/24 17:00	04/22/24 02:56	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/20/24 17:00	04/22/24 02:56	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/20/24 17:00	04/22/24 02:56	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/20/24 17:00	04/22/24 02:56	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/20/24 17:00	04/22/24 02:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		70 - 130				04/20/24 17:00	04/22/24 02:56	1
1,4-Difluorobenzene (Surr)	85		70 - 130				04/20/24 17:00	04/22/24 02:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			04/22/24 02:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/20/24 16:35	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		04/19/24 17:32	04/20/24 16:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/19/24 17:32	04/20/24 16:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/19/24 17:32	04/20/24 16:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130				04/19/24 17:32	04/20/24 16:35	1
o-Terphenyl	77		70 - 130				04/19/24 17:32	04/20/24 16:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	626		4.99		mg/Kg			04/21/24 21:41	1

Client Sample ID: CS-94 (0.5")

Lab Sample ID: 880-42494-94

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 17:00	04/22/24 03:16	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/20/24 17:00	04/22/24 03:16	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/20/24 17:00	04/22/24 03:16	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		04/20/24 17:00	04/22/24 03:16	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/20/24 17:00	04/22/24 03:16	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		04/20/24 17:00	04/22/24 03:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130				04/20/24 17:00	04/22/24 03:16	1
1,4-Difluorobenzene (Surr)	83		70 - 130				04/20/24 17:00	04/22/24 03:16	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-94 (0.5")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-94
Matrix: Solid

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			04/22/24 03:16	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			04/20/24 16:55	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/19/24 17:32	04/20/24 16:55	1	
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/19/24 17:32	04/20/24 16:55	1	
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/19/24 17:32	04/20/24 16:55	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	79		70 - 130				04/19/24 17:32	04/20/24 16:55	1	
o-Terphenyl	76		70 - 130				04/19/24 17:32	04/20/24 16:55	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	65.3		5.00		mg/Kg			04/21/24 21:56	1	

Client Sample ID: CS-95 (0.5")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-95
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		04/20/24 17:00	04/22/24 03:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/20/24 17:00	04/22/24 03:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/20/24 17:00	04/22/24 03:36	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/20/24 17:00	04/22/24 03:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/20/24 17:00	04/22/24 03:36	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/20/24 17:00	04/22/24 03:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130				04/20/24 17:00	04/22/24 03:36	1
1,4-Difluorobenzene (Surr)	75		70 - 130				04/20/24 17:00	04/22/24 03:36	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			04/22/24 03:36	1
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			04/20/24 17:15	1
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		04/19/24 17:32	04/20/24 17:15	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		04/19/24 17:32	04/20/24 17:15	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-95 (0.5")

Lab Sample ID: 880-42494-95

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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)	<49.6	U	49.6		mg/Kg		04/19/24 17:32	04/20/24 17:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130				04/19/24 17:32	04/20/24 17:15	1
o-Terphenyl	75		70 - 130				04/19/24 17:32	04/20/24 17:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2690		25.2		mg/Kg			04/21/24 22:01	5

Client Sample ID: CS-96 (0.5")

Lab Sample ID: 880-42494-96

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 17:00	04/22/24 03:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/20/24 17:00	04/22/24 03:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/20/24 17:00	04/22/24 03:57	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/20/24 17:00	04/22/24 03:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/20/24 17:00	04/22/24 03:57	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/20/24 17:00	04/22/24 03:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130				04/20/24 17:00	04/22/24 03:57	1
1,4-Difluorobenzene (Surr)	86		70 - 130				04/20/24 17:00	04/22/24 03:57	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			04/22/24 03:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			04/20/24 17:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		04/19/24 17:32	04/20/24 17:35	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		04/19/24 17:32	04/20/24 17:35	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		04/19/24 17:32	04/20/24 17:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130				04/19/24 17:32	04/20/24 17:35	1
o-Terphenyl	77		70 - 130				04/19/24 17:32	04/20/24 17:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	738		4.95		mg/Kg			04/21/24 22:05	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-97 (0.5")

Lab Sample ID: 880-42494-97

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 17:00	04/22/24 04:17	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/20/24 17:00	04/22/24 04:17	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/20/24 17:00	04/22/24 04:17	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/20/24 17:00	04/22/24 04:17	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/20/24 17:00	04/22/24 04:17	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/20/24 17:00	04/22/24 04:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130				04/20/24 17:00	04/22/24 04:17	1
1,4-Difluorobenzene (Surr)	80		70 - 130				04/20/24 17:00	04/22/24 04:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			04/22/24 04:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			04/20/24 17:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		04/19/24 17:32	04/20/24 17:55	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		04/19/24 17:32	04/20/24 17:55	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		04/19/24 17:32	04/20/24 17:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130				04/19/24 17:32	04/20/24 17:55	1
o-Terphenyl	76		70 - 130				04/19/24 17:32	04/20/24 17:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	78.2		4.97		mg/Kg			04/21/24 22:10	1

Client Sample ID: SW-1 (1.5")

Lab Sample ID: 880-42494-98

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 17:00	04/22/24 04:38	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/20/24 17:00	04/22/24 04:38	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/20/24 17:00	04/22/24 04:38	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/20/24 17:00	04/22/24 04:38	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/20/24 17:00	04/22/24 04:38	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/20/24 17:00	04/22/24 04:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				04/20/24 17:00	04/22/24 04:38	1
1,4-Difluorobenzene (Surr)	80		70 - 130				04/20/24 17:00	04/22/24 04:38	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: SW-1 (1.5")

Lab Sample ID: 880-42494-98

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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			04/22/24 04:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			04/20/24 18:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		04/19/24 17:32	04/20/24 18:15	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		04/19/24 17:32	04/20/24 18:15	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		04/19/24 17:32	04/20/24 18:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130				04/19/24 17:32	04/20/24 18:15	1
o-Terphenyl	78		70 - 130				04/19/24 17:32	04/20/24 18:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.00		4.99		mg/Kg			04/21/24 22:15	1

Client Sample ID: SW-2 (1.5")

Lab Sample ID: 880-42494-99

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 17:00	04/22/24 04:58	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/20/24 17:00	04/22/24 04:58	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/20/24 17:00	04/22/24 04:58	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		04/20/24 17:00	04/22/24 04:58	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/20/24 17:00	04/22/24 04:58	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/20/24 17:00	04/22/24 04:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130				04/20/24 17:00	04/22/24 04:58	1
1,4-Difluorobenzene (Surr)	84		70 - 130				04/20/24 17:00	04/22/24 04:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			04/22/24 04:58	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			04/20/24 18:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/19/24 17:32	04/20/24 18:35	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/19/24 17:32	04/20/24 18:35	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: SW-2 (1.5")

Lab Sample ID: 880-42494-99

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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)	<49.8	U	49.8		mg/Kg		04/19/24 17:32	04/20/24 18:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130				04/19/24 17:32	04/20/24 18:35	1
o-Terphenyl	76		70 - 130				04/19/24 17:32	04/20/24 18:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.05	U	5.05		mg/Kg			04/21/24 22:20	1

Client Sample ID: SW-3 (1.5")

Lab Sample ID: 880-42494-100

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/20/24 17:00	04/22/24 05:19	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/20/24 17:00	04/22/24 05:19	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/20/24 17:00	04/22/24 05:19	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/20/24 17:00	04/22/24 05:19	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/20/24 17:00	04/22/24 05:19	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/20/24 17:00	04/22/24 05:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	65	S1-	70 - 130				04/20/24 17:00	04/22/24 05:19	1
1,4-Difluorobenzene (Surr)	76		70 - 130				04/20/24 17:00	04/22/24 05:19	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			04/22/24 05:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/20/24 18:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/19/24 17:32	04/20/24 18:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/19/24 17:32	04/20/24 18:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/19/24 17:32	04/20/24 18:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130				04/19/24 17:32	04/20/24 18:54	1
o-Terphenyl	74		70 - 130				04/19/24 17:32	04/20/24 18:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.7		5.04		mg/Kg			04/21/24 22:25	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: SW-4 (2.5")

Lab Sample ID: 880-42494-101

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/22/24 08:26	04/22/24 16:29	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/22/24 08:26	04/22/24 16:29	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/22/24 08:26	04/22/24 16:29	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/22/24 08:26	04/22/24 16:29	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/22/24 08:26	04/22/24 16:29	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/22/24 08:26	04/22/24 16:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				04/22/24 08:26	04/22/24 16:29	1
1,4-Difluorobenzene (Surr)	91		70 - 130				04/22/24 08:26	04/22/24 16:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/22/24 16:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/22/24 00:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/19/24 14:32	04/22/24 00:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/19/24 14:32	04/22/24 00:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/19/24 14:32	04/22/24 00:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	67	S1-	70 - 130				04/19/24 14:32	04/22/24 00:34	1
o-Terphenyl	68	S1-	70 - 130				04/19/24 14:32	04/22/24 00:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	74.2		5.05		mg/Kg			04/21/24 22:26	1

Client Sample ID: SW-5 (4.0")

Lab Sample ID: 880-42494-102

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/22/24 08:26	04/22/24 16:49	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/22/24 08:26	04/22/24 16:49	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/22/24 08:26	04/22/24 16:49	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/22/24 08:26	04/22/24 16:49	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/22/24 08:26	04/22/24 16:49	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/22/24 08:26	04/22/24 16:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				04/22/24 08:26	04/22/24 16:49	1
1,4-Difluorobenzene (Surr)	91		70 - 130				04/22/24 08:26	04/22/24 16:49	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: SW-5 (4.0")

Lab Sample ID: 880-42494-102

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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			04/22/24 16:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			04/22/24 00:54	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	<49.7	U	49.7		mg/Kg		04/19/24 14:32	04/22/24 00:54	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		04/19/24 14:32	04/22/24 00:54	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		04/19/24 14:32	04/22/24 00:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	70		70 - 130				04/19/24 14:32	04/22/24 00:54	1
o-Terphenyl	71		70 - 130				04/19/24 14:32	04/22/24 00:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	99.3		4.96		mg/Kg			04/21/24 22:45	1

Client Sample ID: SW-6 (4.0")

Lab Sample ID: 880-42494-103

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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		04/22/24 08:26	04/22/24 17:09	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/22/24 08:26	04/22/24 17:09	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/22/24 08:26	04/22/24 17:09	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/22/24 08:26	04/22/24 17:09	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/22/24 08:26	04/22/24 17:09	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/22/24 08:26	04/22/24 17:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				04/22/24 08:26	04/22/24 17:09	1
1,4-Difluorobenzene (Surr)	92		70 - 130				04/22/24 08:26	04/22/24 17:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			04/22/24 17:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			04/22/24 01:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		04/19/24 14:32	04/22/24 01:15	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		04/19/24 14:32	04/22/24 01:15	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: SW-6 (4.0")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-103
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		04/19/24 14:32	04/22/24 01:15	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	70		70 - 130				04/19/24 14:32	04/22/24 01:15	1	
o-Terphenyl	71		70 - 130				04/19/24 14:32	04/22/24 01:15	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	131		5.04		mg/Kg			04/21/24 22:51	1	

Client Sample ID: SW-7 (2.5")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-104
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00198	U	0.00198		mg/Kg		04/22/24 08:26	04/22/24 17:30	1	
Toluene	<0.00198	U	0.00198		mg/Kg		04/22/24 08:26	04/22/24 17:30	1	
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/22/24 08:26	04/22/24 17:30	1	
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		04/22/24 08:26	04/22/24 17:30	1	
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/22/24 08:26	04/22/24 17:30	1	
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		04/22/24 08:26	04/22/24 17:30	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	116		70 - 130				04/22/24 08:26	04/22/24 17:30	1	
1,4-Difluorobenzene (Surr)	92		70 - 130				04/22/24 08:26	04/22/24 17:30	1	
Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00397	U	0.00397		mg/Kg			04/22/24 17:30	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.6	U	49.6		mg/Kg			04/22/24 01:35	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		04/19/24 14:32	04/22/24 01:35	1	
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		04/19/24 14:32	04/22/24 01:35	1	
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		04/19/24 14:32	04/22/24 01:35	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	68	S1-	70 - 130				04/19/24 14:32	04/22/24 01:35	1	
o-Terphenyl	69	S1-	70 - 130				04/19/24 14:32	04/22/24 01:35	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	71.6		5.01		mg/Kg			04/21/24 22:57	1	

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Surrogate Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
880-42494-1	CS-1 (1.5")	94	100
880-42494-1 MS	CS-1 (1.5")	106	100
880-42494-1 MSD	CS-1 (1.5")	102	97
880-42494-2	CS-2 (1.5")	115	110
880-42494-3	CS-3 (1.5")	118	108
880-42494-4	CS-4 (1.5")	121	106
880-42494-5	CS-5 (1.5")	125	116
880-42494-6	CS-6 (1.5")	150 S1+	117
880-42494-7	CS-7 (1.5")	288 S1+	76
880-42494-8	CS-8 (1.5")	282 S1+	82
880-42494-9	CS-9 (1.5")	119	112
880-42494-10	CS-10 (1.5")	371 S1+	90
880-42494-11	CS-11 (1.5")	114	92
880-42494-11 MS	CS-11 (1.5")	109	100
880-42494-11 MSD	CS-11 (1.5")	112	102
880-42494-12	CS-12 (1.5")	114	92
880-42494-13	CS-13 (4.0")	119	89
880-42494-14	CS-14 (4.0")	115	92
880-42494-15	CS-15 (4.0")	116	91
880-42494-16	CS-16 (4.0")	121	78
880-42494-17	CS-17 (4.0")	116	92
880-42494-18	CS-18 (4.0")	122	93
880-42494-19	CS-19 (4.0")	117	86
880-42494-20	CS-20 (4.0")	118	92
880-42494-21	CS-21 (4.0")	205 S1+	162 S1+
880-42494-21 MS	CS-21 (4.0")	209 S1+	148 S1+
880-42494-21 MSD	CS-21 (4.0")	108	101
880-42494-22	CS-22 (4.0")	118	111
880-42494-23	CS-23 (4.0")	310 S1+	68 S1-
880-42494-24	CS-24 (4.0")	191 S1+	155 S1+
880-42494-25	CS-25 (4.0")	158 S1+	139 S1+
880-42494-26	CS-26 (4.0")	115	110
880-42494-27	CS-27 (0.5")	146 S1+	127
880-42494-28	CS-28 (0.5")	169 S1+	138 S1+
880-42494-29	CS-29 (0.5")	364 S1+	119
880-42494-30	CS-30 (0.5")	323 S1+	207 S1+
880-42494-31	CS-31 (0.5")	357 S1+	183 S1+
880-42494-32	CS-32 (0.5")	113	111
880-42494-33	CS-33 (0.5")	118	112
880-42494-34	CS-34 (0.5")	201 S1+	157 S1+
880-42494-35	CS-35 (0.5")	393 S1+	128
880-42494-36	CS-36 (0.5")	144 S1+	68 S1-
880-42494-37	CS-37 (0.5")	163 S1+	71
880-42494-38	CS-38 (0.5")	187 S1+	69 S1-
880-42494-39	CS-39 (0.5")	307 S1+	71
880-42494-40	CS-40 (0.5")	152 S1+	124
880-42494-41	CS-41 (0.5")	49 S1-	126
880-42494-41 MS	CS-41 (0.5")	40 S1-	89
880-42494-41 MSD	CS-41 (0.5")	72	87

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Surrogate Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, 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)
880-42494-42	CS-42 (0.5")	85	84
880-42494-43	CS-43 (0.5")	71	89
880-42494-44	CS-44 (0.5")	82	80
880-42494-45	CS-45 (0.5")	87	78
880-42494-46	CS-46 (0.5")	85	84
880-42494-47	CS-47 (0.5")	67 S1-	71
880-42494-48	CS-48 (0.5")	80	83
880-42494-49	CS-49 (0.5")	80	86
880-42494-50	CS-50 (0.5")	68 S1-	69 S1-
880-42494-51	CS-51 (0.5")	77	86
880-42494-52	CS-52 (0.5")	87	79
880-42494-53	CS-53 (0.5")	83	86
880-42494-54	CS-54 (0.5")	85	79
880-42494-55	CS-55 (0.5")	84	85
880-42494-56	CS-56 (0.5")	60 S1-	95
880-42494-57	CS-57 (0.5")	83	85
880-42494-58	CS-58 (0.5")	36 S1-	127
880-42494-59	CS-59 (0.5")	85	85
880-42494-60	CS-60 (0.5")	60 S1-	94
880-42494-61	CS-61 (0.5")	81	87
880-42494-61 MS	CS-61 (0.5")	98	108
880-42494-61 MSD	CS-61 (0.5")	87	102
880-42494-62	CS-62 (0.5")	74	90
880-42494-63	CS-63 (0.5")	81	85
880-42494-64	CS-64 (0.5")	77	83
880-42494-65	CS-65 (0.5")	62 S1-	76
880-42494-66	CS-66 (0.5")	96	87
880-42494-67	CS-67 (0.5")	98	84
880-42494-68	CS-68 (0.5")	37 S1-	77
880-42494-69	CS-69 (0.5")	67 S1-	71
880-42494-70	CS-70 (0.5")	83	88
880-42494-71	CS-71 (0.5")	79	80
880-42494-72	CS-72 (0.5")	82	76
880-42494-73	CS-73 (0.5")	83	82
880-42494-74	CS-74 (0.5")	82	84
880-42494-75	CS-75 (0.5")	89	77
880-42494-76	CS-76 (0.5")	79	81
880-42494-77	CS-77 (0.5")	79	79
880-42494-78	CS-78 (0.5")	84	84
880-42494-79	CS-79 (0.5")	70	100
880-42494-80	CS-80 (0.5")	84	80
880-42494-81	CS-81 (0.5")	80	85
880-42494-81 MS	CS-81 (0.5")	103	105
880-42494-81 MSD	CS-81 (0.5")	118	103
880-42494-82	CS-82 (0.5")	81	84
880-42494-83	CS-83 (0.5")	84	80
880-42494-84	CS-84 (0.5")	84	88
880-42494-85	CS-85 (0.5")	80	85
880-42494-86	CS-86 (0.5")	84	86
880-42494-87	CS-87 (0.5")	83	87

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Surrogate Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, 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)
880-42494-88	CS-88 (0.5")	83	85
880-42494-89	CS-89 (0.5")	63 S1-	87
880-42494-90	CS-90 (0.5")	60 S1-	88
880-42494-91	CS-91 (0.5")	75	84
880-42494-92	CS-92 (0.5")	94	85
880-42494-93	CS-93 (0.5")	79	85
880-42494-94	CS-94 (0.5")	80	83
880-42494-95	CS-95 (0.5")	83	75
880-42494-96	CS-96 (0.5")	83	86
880-42494-97	CS-97 (0.5")	84	80
880-42494-98	SW-1 (1.5")	88	80
880-42494-99	SW-2 (1.5")	82	84
880-42494-100	SW-3 (1.5")	65 S1-	76
880-42494-101	SW-4 (2.5")	116	91
880-42494-102	SW-5 (4.0")	115	91
880-42494-103	SW-6 (4.0")	116	92
880-42494-104	SW-7 (2.5")	116	92
LCS 880-78860/1-A	Lab Control Sample	108	97
LCS 880-78861/1-A	Lab Control Sample	99	102
LCS 880-78862/1-A	Lab Control Sample	109	99
LCS 880-78863/1-A	Lab Control Sample	108	113
LCS 880-78864/1-A	Lab Control Sample	100	104
LCS 880-78891/1-A	Lab Control Sample	112	102
LCSD 880-78860/2-A	Lab Control Sample Dup	105	98
LCSD 880-78861/2-A	Lab Control Sample Dup	100	100
LCSD 880-78862/2-A	Lab Control Sample Dup	63 S1-	101
LCSD 880-78863/2-A	Lab Control Sample Dup	111	109
LCSD 880-78864/2-A	Lab Control Sample Dup	99	101
LCSD 880-78891/2-A	Lab Control Sample Dup	112	100
MB 880-78860/5-A	Method Blank	179 S1+	122
MB 880-78861/5-A	Method Blank	186 S1+	132 S1+
MB 880-78862/5-A	Method Blank	74	87
MB 880-78863/5-A	Method Blank	73	88
MB 880-78864/5-A	Method Blank	72	85
MB 880-78891/5-A	Method Blank	112	88

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-42448-A-10-N MS	Matrix Spike	67 S1-	63 S1-
880-42448-A-10-O MSD	Matrix Spike Duplicate	67 S1-	62 S1-
880-42494-1	CS-1 (1.5")	117	98
880-42494-1 MS	CS-1 (1.5")	112	87
880-42494-1 MSD	CS-1 (1.5")	111	88

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Surrogate Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, 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)
880-42494-2	CS-2 (1.5")	116	102
880-42494-3	CS-3 (1.5")	105	92
880-42494-4	CS-4 (1.5")	114	100
880-42494-5	CS-5 (1.5")	130	116
880-42494-6	CS-6 (1.5")	136 S1+	116
880-42494-7	CS-7 (1.5")	122	102
880-42494-8	CS-8 (1.5")	125	110
880-42494-9	CS-9 (1.5")	108	96
880-42494-10	CS-10 (1.5")	113	99
880-42494-11	CS-11 (1.5")	113	101
880-42494-12	CS-12 (1.5")	117	98
880-42494-13	CS-13 (4.0")	115	96
880-42494-14	CS-14 (4.0")	108	93
880-42494-15	CS-15 (4.0")	124	109
880-42494-16	CS-16 (4.0")	113	97
880-42494-17	CS-17 (4.0")	114	103
880-42494-18	CS-18 (4.0")	140 S1+	122
880-42494-19	CS-19 (4.0")	119	101
880-42494-20	CS-20 (4.0")	119	99
880-42494-21	CS-21 (4.0")	114	104
880-42494-21 MS	CS-21 (4.0")	130	103
880-42494-21 MSD	CS-21 (4.0")	130	100
880-42494-22	CS-22 (4.0")	126	108
880-42494-23	CS-23 (4.0")	126	111
880-42494-24	CS-24 (4.0")	117	103
880-42494-25	CS-25 (4.0")	115	102
880-42494-26	CS-26 (4.0")	124	109
880-42494-27	CS-27 (0.5")	120	101
880-42494-28	CS-28 (0.5")	121	103
880-42494-29	CS-29 (0.5")	118	95
880-42494-30	CS-30 (0.5")	107	89
880-42494-31	CS-31 (0.5")	102	89
880-42494-32	CS-32 (0.5")	108	91
880-42494-33	CS-33 (0.5")	116	101
880-42494-34	CS-34 (0.5")	116	99
880-42494-35	CS-35 (0.5")	111	89
880-42494-36	CS-36 (0.5")	106	90
880-42494-37	CS-37 (0.5")	107	94
880-42494-38	CS-38 (0.5")	120	102
880-42494-39	CS-39 (0.5")	103	87
880-42494-40	CS-40 (0.5")	110	97
880-42494-41	CS-41 (0.5")	108	99
880-42494-41 MS	CS-41 (0.5")	95	85
880-42494-41 MSD	CS-41 (0.5")	65 S1-	65 S1-
880-42494-42	CS-42 (0.5")	78	84
880-42494-43	CS-43 (0.5")	87	82
880-42494-44	CS-44 (0.5")	100	109
880-42494-45	CS-45 (0.5")	105	103
880-42494-46	CS-46 (0.5")	107	103
880-42494-47	CS-47 (0.5")	109	106

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Surrogate Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, 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)
880-42494-48	CS-48 (0.5")	104	104
880-42494-49	CS-49 (0.5")	120	106
880-42494-50	CS-50 (0.5")	110	98
880-42494-51	CS-51 (0.5")	107	104
880-42494-52	CS-52 (0.5")	103	105
880-42494-53	CS-53 (0.5")	106	116
880-42494-54	CS-54 (0.5")	96	94
880-42494-55	CS-55 (0.5")	102	98
880-42494-56	CS-56 (0.5")	117	120
880-42494-57	CS-57 (0.5")	110	104
880-42494-58	CS-58 (0.5")	95	88
880-42494-59	CS-59 (0.5")	108	107
880-42494-60	CS-60 (0.5")	96	84
880-42494-61	CS-61 (0.5")	100	116
880-42494-61 MS	CS-61 (0.5")	97	89
880-42494-61 MSD	CS-61 (0.5")	108	102
880-42494-62	CS-62 (0.5")	108	111
880-42494-63	CS-63 (0.5")	101	93
880-42494-64	CS-64 (0.5")	122	132 S1+
880-42494-65	CS-65 (0.5")	114	102
880-42494-66	CS-66 (0.5")	117	110
880-42494-67	CS-67 (0.5")	113	128
880-42494-68	CS-68 (0.5")	107	107
880-42494-69	CS-69 (0.5")	108	123
880-42494-70	CS-70 (0.5")	116	115
880-42494-71	CS-71 (0.5")	94	94
880-42494-72	CS-72 (0.5")	101	100
880-42494-73	CS-73 (0.5")	102	96
880-42494-74	CS-74 (0.5")	118	115
880-42494-75	CS-75 (0.5")	111	99
880-42494-76	CS-76 (0.5")	122	116
880-42494-77	CS-77 (0.5")	107	94
880-42494-78	CS-78 (0.5")	104	118
880-42494-79	CS-79 (0.5")	103	106
880-42494-80	CS-80 (0.5")	106	115
880-42494-81	CS-81 (0.5")	73	73
880-42494-81 MS	CS-81 (0.5")	72	66 S1-
880-42494-81 MSD	CS-81 (0.5")	76	66 S1-
880-42494-82	CS-82 (0.5")	73	72
880-42494-83	CS-83 (0.5")	72	71
880-42494-84	CS-84 (0.5")	77	77
880-42494-85	CS-85 (0.5")	75	73
880-42494-86	CS-86 (0.5")	78	73
880-42494-87	CS-87 (0.5")	79	76
880-42494-88	CS-88 (0.5")	0.02 S1-	0.06 S1-
880-42494-89	CS-89 (0.5")	76	75
880-42494-90	CS-90 (0.5")	81	80
880-42494-91	CS-91 (0.5")	88	83
880-42494-92	CS-92 (0.5")	83	81
880-42494-93	CS-93 (0.5")	77	77

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, 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)
880-42494-94	CS-94 (0.5")	79	76
880-42494-95	CS-95 (0.5")	74	75
880-42494-96	CS-96 (0.5")	76	77
880-42494-97	CS-97 (0.5")	76	76
880-42494-98	SW-1 (1.5")	75	78
880-42494-99	SW-2 (1.5")	74	76
880-42494-100	SW-3 (1.5")	72	74
880-42494-101	SW-4 (2.5")	67 S1-	68 S1-
880-42494-102	SW-5 (4.0")	70	71
880-42494-103	SW-6 (4.0")	70	71
880-42494-104	SW-7 (2.5")	68 S1-	69 S1-
LCS 880-78774/2-A	Lab Control Sample	99	111
LCS 880-78780/2-A	Lab Control Sample	105	111
LCS 880-78781/2-A	Lab Control Sample	96	103
LCS 880-78782/2-A	Lab Control Sample	94	99
LCS 880-78800/2-A	Lab Control Sample	93	116
LCS 880-78801/2-A	Lab Control Sample	98	113
LCSD 880-78774/3-A	Lab Control Sample Dup	96	107
LCSD 880-78780/3-A	Lab Control Sample Dup	18 S1-	14 S1-
LCSD 880-78781/3-A	Lab Control Sample Dup	89	97
LCSD 880-78782/3-A	Lab Control Sample Dup	82	82
LCSD 880-78800/3-A	Lab Control Sample Dup	86	90
LCSD 880-78801/3-A	Lab Control Sample Dup	104	120
MB 880-78774/1-A	Method Blank	111	109
MB 880-78780/1-A	Method Blank	154 S1+	133 S1+
MB 880-78781/1-A	Method Blank	155 S1+	142 S1+
MB 880-78782/1-A	Method Blank	140 S1+	171 S1+
MB 880-78800/1-A	Method Blank	157 S1+	177 S1+
MB 880-78801/1-A	Method Blank	107	116

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-78860/5-A						Client Sample ID: Method Blank				
Matrix: Solid						Prep Type: Total/NA				
Analysis Batch: 78858						Prep Batch: 78860				
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00200	U	0.00200		mg/Kg		04/20/24 16:54	04/21/24 04:47	1	
Toluene	<0.00200	U	0.00200		mg/Kg		04/20/24 16:54	04/21/24 04:47	1	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/20/24 16:54	04/21/24 04:47	1	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/20/24 16:54	04/21/24 04:47	1	
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/20/24 16:54	04/21/24 04:47	1	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/20/24 16:54	04/21/24 04:47	1	
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	179	S1+	70 - 130				04/20/24 16:54	04/21/24 04:47	1	
1,4-Difluorobenzene (Surr)	122		70 - 130				04/20/24 16:54	04/21/24 04:47	1	

Lab Sample ID: LCS 880-78860/1-A					Client Sample ID: Lab Control Sample					
Matrix: Solid					Prep Type: Total/NA					
Analysis Batch: 78858					Prep Batch: 78860					
			Spike	LCS	LCS			%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene			0.100	0.1011		mg/Kg		101	70 - 130	
Toluene			0.100	0.09893		mg/Kg		99	70 - 130	
Ethylbenzene			0.100	0.1133		mg/Kg		113	70 - 130	
m-Xylene & p-Xylene			0.200	0.2450		mg/Kg		122	70 - 130	
o-Xylene			0.100	0.1075		mg/Kg		108	70 - 130	
		LCS	LCS							
Surrogate		%Recovery	Qualifier	Limits						
4-Bromofluorobenzene (Surr)		108		70 - 130						
1,4-Difluorobenzene (Surr)		97		70 - 130						

Lab Sample ID: LCSD 880-78860/2-A							Client Sample ID: Lab Control Sample Dup			
Matrix: Solid							Prep Type: Total/NA			
Analysis Batch: 78858							Prep Batch: 78860			
Analyte		Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene		0.100	0.1025		mg/Kg		102	70 - 130	1	35
Toluene		0.100	0.09915		mg/Kg		99	70 - 130	0	35
Ethylbenzene		0.100	0.1111		mg/Kg		111	70 - 130	2	35
m-Xylene & p-Xylene		0.200	0.2437		mg/Kg		122	70 - 130	0	35
o-Xylene		0.100	0.1079		mg/Kg		108	70 - 130	0	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits							
4-Bromofluorobenzene (Surr)	105		70 - 130							
1,4-Difluorobenzene (Surr)	98		70 - 130							

Lab Sample ID: 880-42494-1 MS							Client Sample ID: CS-1 (1.5")			
Matrix: Solid							Prep Type: Total/NA			
Analysis Batch: 78858							Prep Batch: 78860			
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
Benzene	<0.00199	U	0.0996	0.09076		mg/Kg		91	70 - 130	
Toluene	<0.00199	U	0.0996	0.07979		mg/Kg		80	70 - 130	

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QC Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

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

Lab Sample ID: 880-42494-1 MS

Matrix: Solid

Analysis Batch: 78858

Client Sample ID: CS-1 (1.5")

Prep Type: Total/NA

Prep Batch: 78860

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U	0.0996	0.08782		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.199	0.2025		mg/Kg		102	70 - 130
o-Xylene	<0.00199	U	0.0996	0.09016		mg/Kg		91	70 - 130
Surrogate	%Recovery	MS Qualifier	MS Limits						
4-Bromofluorobenzene (Surr)	106		70 - 130						
1,4-Difluorobenzene (Surr)	100		70 - 130						

Lab Sample ID: 880-42494-1 MSD

Matrix: Solid

Analysis Batch: 78858

Client Sample ID: CS-1 (1.5")

Prep Type: Total/NA

Prep Batch: 78860

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.101	0.08879		mg/Kg		88	70 - 130	2	35
Toluene	<0.00199	U	0.101	0.08205		mg/Kg		81	70 - 130	3	35
Ethylbenzene	<0.00199	U	0.101	0.08631		mg/Kg		86	70 - 130	2	35
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1984		mg/Kg		98	70 - 130	2	35
o-Xylene	<0.00199	U	0.101	0.08879		mg/Kg		88	70 - 130	2	35
Surrogate	%Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	102		70 - 130								
1,4-Difluorobenzene (Surr)	97		70 - 130								

Lab Sample ID: MB 880-78861/5-A

Matrix: Solid

Analysis Batch: 78874

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 78861

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/20/24 16:56	04/21/24 22:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/20/24 16:56	04/21/24 22:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/20/24 16:56	04/21/24 22:16	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/20/24 16:56	04/21/24 22:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/20/24 16:56	04/21/24 22:16	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/20/24 16:56	04/21/24 22:16	1
Surrogate	%Recovery	MB Qualifier	MB Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	186	S1+	70 - 130				04/20/24 16:56	04/21/24 22:16	1
1,4-Difluorobenzene (Surr)	132	S1+	70 - 130				04/20/24 16:56	04/21/24 22:16	1

Lab Sample ID: LCS 880-78861/1-A

Matrix: Solid

Analysis Batch: 78874

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 78861

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08714		mg/Kg		87	70 - 130
Toluene	0.100	0.08247		mg/Kg		82	70 - 130
Ethylbenzene	0.100	0.08717		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	0.200	0.1960		mg/Kg		98	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-78861/1-A
Matrix: Solid
Analysis Batch: 78874

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 78861

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.08941		mg/Kg		89	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	99		70 - 130				
1,4-Difluorobenzene (Surr)	102		70 - 130				

Lab Sample ID: LCSD 880-78861/2-A
Matrix: Solid
Analysis Batch: 78874

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 78861

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.09466		mg/Kg		95	70 - 130	8	35
Toluene	0.100	0.08489		mg/Kg		85	70 - 130	3	35
Ethylbenzene	0.100	0.08876		mg/Kg		89	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.1984		mg/Kg		99	70 - 130	1	35
o-Xylene	0.100	0.09020		mg/Kg		90	70 - 130	1	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	100		70 - 130						
1,4-Difluorobenzene (Surr)	100		70 - 130						

Lab Sample ID: 880-42494-21 MS
Matrix: Solid
Analysis Batch: 78874

Client Sample ID: CS-21 (4.0")
Prep Type: Total/NA
Prep Batch: 78861

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U F2 F1	0.0996	0.03106	F1	mg/Kg		31	70 - 130
Toluene	<0.00199	U F2 F1	0.0996	0.01923	F1	mg/Kg		19	70 - 130
Ethylbenzene	<0.00199	U F2 F1	0.0996	0.03494	F1	mg/Kg		34	70 - 130
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.199	0.1204	F1	mg/Kg		60	70 - 130
o-Xylene	<0.00199	U F1	0.0996	0.06509	F1	mg/Kg		64	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	209	S1+	70 - 130						
1,4-Difluorobenzene (Surr)	148	S1+	70 - 130						

Lab Sample ID: 880-42494-21 MSD
Matrix: Solid
Analysis Batch: 78874

Client Sample ID: CS-21 (4.0")
Prep Type: Total/NA
Prep Batch: 78861

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00199	U F2 F1	0.101	0.07405	F2	mg/Kg		73	70 - 130	82	35
Toluene	<0.00199	U F2 F1	0.101	0.06606	F2 F1	mg/Kg		65	70 - 130	110	35
Ethylbenzene	<0.00199	U F2 F1	0.101	0.07412	F2	mg/Kg		73	70 - 130	72	35
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.202	0.1786	F2	mg/Kg		88	70 - 130	39	35
o-Xylene	<0.00199	U F1	0.101	0.08297		mg/Kg		81	70 - 130	24	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

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

Lab Sample ID: 880-42494-21 MSD

Matrix: Solid

Analysis Batch: 78874

Client Sample ID: CS-21 (4.0")

Prep Type: Total/NA

Prep Batch: 78861

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: MB 880-78862/5-A

Matrix: Solid

Analysis Batch: 78859

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 78862

Analyte	MB	MB								
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/20/24 16:57	04/21/24 00:15	1	
Toluene	<0.00200	U	0.00200		mg/Kg		04/20/24 16:57	04/21/24 00:15	1	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/20/24 16:57	04/21/24 00:15	1	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/20/24 16:57	04/21/24 00:15	1	
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/20/24 16:57	04/21/24 00:15	1	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/20/24 16:57	04/21/24 00:15	1	

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
4-Bromofluorobenzene (Surr)	74		70 - 130				04/20/24 16:57	04/21/24 00:15	1	
1,4-Difluorobenzene (Surr)	87		70 - 130				04/20/24 16:57	04/21/24 00:15	1	

Lab Sample ID: LCS 880-78862/1-A

Matrix: Solid

Analysis Batch: 78859

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 78862

Analyte	Spike	LCS	LCS							
	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Benzene	0.100	0.09189		mg/Kg		92	70 - 130			
Toluene	0.100	0.09575		mg/Kg		96	70 - 130			
Ethylbenzene	0.100	0.1051		mg/Kg		105	70 - 130			
m-Xylene & p-Xylene	0.200	0.2096		mg/Kg		105	70 - 130			
o-Xylene	0.100	0.09740		mg/Kg		97	70 - 130			

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-78862/2-A

Matrix: Solid

Analysis Batch: 78859

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 78862

Analyte	Spike	LCSD	LCSD							
	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.04883	*- *1	mg/Kg		49	70 - 130	61	35	
Toluene	0.100	0.04785	*- *1	mg/Kg		48	70 - 130	67	35	
Ethylbenzene	0.100	0.04491	*- *1	mg/Kg		45	70 - 130	80	35	
m-Xylene & p-Xylene	0.200	0.08522	*- *1	mg/Kg		43	70 - 130	84	35	
o-Xylene	0.100	0.04227	*- *1	mg/Kg		42	70 - 130	79	35	

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	63	S1-	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-78862/2-A

Matrix: Solid

Analysis Batch: 78859

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 78862

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

Lab Sample ID: 880-42494-41 MS

Matrix: Solid

Analysis Batch: 78859

Client Sample ID: CS-41 (0.5")

Prep Type: Total/NA

Prep Batch: 78862

	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	<0.00199	U F1 *- *1	0.0996	0.04105	F1	mg/Kg		34	70 - 130
Toluene	<0.00199	U F1 *- *1	0.0996	0.04351	F1	mg/Kg		25	70 - 130
Ethylbenzene	<0.00199	U F1 *- *1	0.0996	0.03641	F1	mg/Kg		25	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1 *- *1	0.199	0.06528	F1	mg/Kg		20	70 - 130
o-Xylene	<0.00199	U F1 *- *1	0.0996	0.03137	F1	mg/Kg		-12	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	40	S1-	70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: 880-42494-41 MSD

Matrix: Solid

Analysis Batch: 78859

Client Sample ID: CS-41 (0.5")

Prep Type: Total/NA

Prep Batch: 78862

	Sample	Sample	Spike	MSD	MSD				%Rec	RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	Limit
Benzene	<0.00199	U F1 *- *1	0.101	<0.00202	U F1	mg/Kg		0	70 - 130	NC 35
Toluene	<0.00199	U F1 *- *1	0.101	<0.00202	U F1	mg/Kg		0	70 - 130	NC 35
Ethylbenzene	<0.00199	U F1 *- *1	0.101	<0.00202	U F1	mg/Kg		0	70 - 130	NC 35
m-Xylene & p-Xylene	<0.00398	U F1 *- *1	0.202	<0.00403	U F1	mg/Kg		0	70 - 130	NC 35
o-Xylene	<0.00199	U F1 *- *1	0.101	<0.00202	U F1	mg/Kg		0	70 - 130	NC 35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	72		70 - 130
1,4-Difluorobenzene (Surr)	87		70 - 130

Lab Sample ID: MB 880-78863/5-A

Matrix: Solid

Analysis Batch: 78859

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 78863

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/20/24 16:58	04/21/24 10:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/20/24 16:58	04/21/24 10:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/20/24 16:58	04/21/24 10:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/20/24 16:58	04/21/24 10:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/20/24 16:58	04/21/24 10:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/20/24 16:58	04/21/24 10:51	1

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	73		70 - 130	04/20/24 16:58	04/21/24 10:51	1
1,4-Difluorobenzene (Surr)	88		70 - 130	04/20/24 16:58	04/21/24 10:51	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-78863/1-A

Matrix: Solid

Analysis Batch: 78859

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 78863

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08924		mg/Kg		89	70 - 130
Toluene	0.100	0.09149		mg/Kg		91	70 - 130
Ethylbenzene	0.100	0.1000		mg/Kg		100	70 - 130
m-Xylene & p-Xylene	0.200	0.2013		mg/Kg		101	70 - 130
o-Xylene	0.100	0.09482		mg/Kg		95	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: LCSD 880-78863/2-A

Matrix: Solid

Analysis Batch: 78859

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 78863

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1015		mg/Kg		101	70 - 130	13	35
Toluene	0.100	0.09599		mg/Kg		96	70 - 130	5	35
Ethylbenzene	0.100	0.09255		mg/Kg		93	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.2157		mg/Kg		108	70 - 130	7	35
o-Xylene	0.100	0.1015		mg/Kg		101	70 - 130	7	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: 880-42494-61 MS

Matrix: Solid

Analysis Batch: 78859

Client Sample ID: CS-61 (0.5")

Prep Type: Total/NA

Prep Batch: 78863

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0996	0.08459		mg/Kg		85	70 - 130
Toluene	<0.00199	U	0.0996	0.08283		mg/Kg		83	70 - 130
Ethylbenzene	<0.00199	U	0.0996	0.08344		mg/Kg		84	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1	0.199	0.1642		mg/Kg		82	70 - 130
o-Xylene	<0.00199	U F1	0.0996	0.07745		mg/Kg		78	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: 880-42494-61 MSD

Matrix: Solid

Analysis Batch: 78859

Client Sample ID: CS-61 (0.5")

Prep Type: Total/NA

Prep Batch: 78863

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.101	0.07699		mg/Kg		76	70 - 130	9	35
Toluene	<0.00199	U	0.101	0.07463		mg/Kg		74	70 - 130	10	35
Ethylbenzene	<0.00199	U	0.101	0.07059		mg/Kg		70	70 - 130	17	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

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

Lab Sample ID: 880-42494-61 MSD

Matrix: Solid

Analysis Batch: 78859

Client Sample ID: CS-61 (0.5")

Prep Type: Total/NA

Prep Batch: 78863

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00398	U F1	0.202	0.1367	F1	mg/Kg		68	70 - 130	18	35
o-Xylene	<0.00199	U F1	0.101	0.06464	F1	mg/Kg		64	70 - 130	18	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	87		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: MB 880-78864/5-A

Matrix: Solid

Analysis Batch: 78876

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 78864

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/20/24 17:00	04/21/24 21:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/20/24 17:00	04/21/24 21:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/20/24 17:00	04/21/24 21:29	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/20/24 17:00	04/21/24 21:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/20/24 17:00	04/21/24 21:29	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/20/24 17:00	04/21/24 21:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	72		70 - 130	04/20/24 17:00	04/21/24 21:29	1
1,4-Difluorobenzene (Surr)	85		70 - 130	04/20/24 17:00	04/21/24 21:29	1

Lab Sample ID: LCS 880-78864/1-A

Matrix: Solid

Analysis Batch: 78876

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 78864

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.07957		mg/Kg		80	70 - 130
Toluene	0.100	0.07988		mg/Kg		80	70 - 130
Ethylbenzene	0.100	0.08181		mg/Kg		82	70 - 130
m-Xylene & p-Xylene	0.200	0.1631		mg/Kg		82	70 - 130
o-Xylene	0.100	0.07781		mg/Kg		78	70 - 130

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

Lab Sample ID: LCSD 880-78864/2-A

Matrix: Solid

Analysis Batch: 78876

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 78864

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09737		mg/Kg		97	70 - 130	20	35
Toluene	0.100	0.09635		mg/Kg		96	70 - 130	19	35
Ethylbenzene	0.100	0.09999		mg/Kg		100	70 - 130	20	35
m-Xylene & p-Xylene	0.200	0.1966		mg/Kg		98	70 - 130	19	35
o-Xylene	0.100	0.09280		mg/Kg		93	70 - 130	18	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

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

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-42494-81 MS
Matrix: Solid
Analysis Batch: 78876

Client Sample ID: CS-81 (0.5")
Prep Type: Total/NA
Prep Batch: 78864

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0996	0.09621		mg/Kg		97	70 - 130
Toluene	<0.00199	U	0.0996	0.09422		mg/Kg		95	70 - 130
Ethylbenzene	<0.00199	U	0.0996	0.09869		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1992		mg/Kg		100	70 - 130
o-Xylene	<0.00199	U	0.0996	0.09190		mg/Kg		92	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 880-42494-81 MSD
Matrix: Solid
Analysis Batch: 78876

Client Sample ID: CS-81 (0.5")
Prep Type: Total/NA
Prep Batch: 78864

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00199	U	0.101	0.09419		mg/Kg		93	70 - 130	2	35
Toluene	<0.00199	U	0.101	0.09694		mg/Kg		96	70 - 130	3	35
Ethylbenzene	<0.00199	U	0.101	0.1140		mg/Kg		113	70 - 130	14	35
m-Xylene & p-Xylene	<0.00398	U	0.202	0.2298		mg/Kg		114	70 - 130	14	35
o-Xylene	<0.00199	U	0.101	0.1061		mg/Kg		105	70 - 130	14	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: MB 880-78891/5-A
Matrix: Solid
Analysis Batch: 78885

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 78891

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/22/24 08:26	04/22/24 11:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/22/24 08:26	04/22/24 11:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/22/24 08:26	04/22/24 11:17	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/22/24 08:26	04/22/24 11:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/22/24 08:26	04/22/24 11:17	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/22/24 08:26	04/22/24 11:17	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	112		70 - 130	04/22/24 08:26	04/22/24 11:17	1			
1,4-Difluorobenzene (Surr)	88		70 - 130	04/22/24 08:26	04/22/24 11:17	1			

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QC Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-78891/1-A

Matrix: Solid

Analysis Batch: 78885

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 78891

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1184		mg/Kg		118	70 - 130
Toluene	0.100	0.1145		mg/Kg		114	70 - 130
Ethylbenzene	0.100	0.1143		mg/Kg		114	70 - 130
m-Xylene & p-Xylene	0.200	0.2275		mg/Kg		114	70 - 130
o-Xylene	0.100	0.1145		mg/Kg		115	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 880-78891/2-A

Matrix: Solid

Analysis Batch: 78885

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 78891

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1132		mg/Kg		113	70 - 130	4	35
Toluene	0.100	0.1099		mg/Kg		110	70 - 130	4	35
Ethylbenzene	0.100	0.1090		mg/Kg		109	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.2160		mg/Kg		108	70 - 130	5	35
o-Xylene	0.100	0.1087		mg/Kg		109	70 - 130	5	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 880-42494-11 MS

Matrix: Solid

Analysis Batch: 78885

Client Sample ID: CS-11 (1.5")

Prep Type: Total/NA

Prep Batch: 78891

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0996	0.1068		mg/Kg		107	70 - 130
Toluene	<0.00199	U	0.0996	0.1023		mg/Kg		103	70 - 130
Ethylbenzene	<0.00199	U	0.0996	0.1023		mg/Kg		103	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.199	0.2075		mg/Kg		104	70 - 130
o-Xylene	<0.00199	U	0.0996	0.1034		mg/Kg		104	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 880-42494-11 MSD

Matrix: Solid

Analysis Batch: 78885

Client Sample ID: CS-11 (1.5")

Prep Type: Total/NA

Prep Batch: 78891

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.101	0.1149		mg/Kg		114	70 - 130	7	35
Toluene	<0.00199	U	0.101	0.1094		mg/Kg		109	70 - 130	7	35
Ethylbenzene	<0.00199	U	0.101	0.1097		mg/Kg		109	70 - 130	7	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

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

Lab Sample ID: 880-42494-11 MSD

Matrix: Solid

Analysis Batch: 78885

Client Sample ID: CS-11 (1.5")

Prep Type: Total/NA

Prep Batch: 78891

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00398	U	0.202	0.2215		mg/Kg		110	70 - 130	7	35
o-Xylene	<0.00199	U	0.101	0.1112		mg/Kg		110	70 - 130	7	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	112		70 - 130								
1,4-Difluorobenzene (Surr)	102		70 - 130								

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

Lab Sample ID: MB 880-78774/1-A

Matrix: Solid

Analysis Batch: 78869

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 78774

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/19/24 14:32	04/21/24 18:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/19/24 14:32	04/21/24 18:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/19/24 14:32	04/21/24 18:27	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				04/19/24 14:32	04/21/24 18:27	1
o-Terphenyl	109		70 - 130				04/19/24 14:32	04/21/24 18:27	1

Lab Sample ID: LCS 880-78774/2-A

Matrix: Solid

Analysis Batch: 78869

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 78774

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	981.0		mg/Kg		98	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	924.8		mg/Kg		92	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	99		70 - 130						
o-Terphenyl	111		70 - 130						

Lab Sample ID: LCSD 880-78774/3-A

Matrix: Solid

Analysis Batch: 78869

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 78774

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	991.8		mg/Kg		99	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	904.4		mg/Kg		90	70 - 130	2	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-78774/3-A
Matrix: Solid
Analysis Batch: 78869

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 78774

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	96		70 - 130
o-Terphenyl	107		70 - 130

Lab Sample ID: 880-42448-A-10-N MS
Matrix: Solid
Analysis Batch: 78869

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 78774

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2	999	885.2		mg/Kg		89	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U F1	999	635.5	F1	mg/Kg		62	70 - 130	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	67	S1-	70 - 130							
o-Terphenyl	63	S1-	70 - 130							

Lab Sample ID: 880-42448-A-10-O MSD
Matrix: Solid
Analysis Batch: 78869

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 78774

	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	<50.0	U F2	999	707.7	F2	mg/Kg		71	70 - 130	22	20	
Diesel Range Organics (Over C10-C28)	<50.0	U F1	999	610.9	F1	mg/Kg		59	70 - 130	4	20	
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	67	S1-	70 - 130									
o-Terphenyl	62	S1-	70 - 130									

Lab Sample ID: MB 880-78780/1-A
Matrix: Solid
Analysis Batch: 78826

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 78780

	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		04/19/24 16:16	04/20/24 08:50	1		
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/19/24 16:16	04/20/24 08:50	1		
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/19/24 16:16	04/20/24 08:50	1		
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac		
1-Chlorooctane	154	S1+	70 - 130				04/19/24 16:16	04/20/24 08:50	1		
o-Terphenyl	133	S1+	70 - 130				04/19/24 16:16	04/20/24 08:50	1		

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QC Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-78780/2-A

Matrix: Solid

Analysis Batch: 78826

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 78780

Analyte			Spike	LCS	LCS	Unit	D	%Rec	%Rec		
			Added	Result	Qualifier			Limits			
Gasoline Range Organics (GRO)-C6-C10			1000	902.7		mg/Kg		90	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	961.1		mg/Kg		96	70 - 130		

Lab Sample ID: LCSD 880-78780/3-A

Matrix: Solid

Analysis Batch: 78826

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 78780

Analyte			Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	Limit
			Added	Result	Qualifier				Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	145.1	*- *1	mg/Kg		15	70 - 130	145	20
Diesel Range Organics (Over C10-C28)			1000	134.8	*- *1	mg/Kg		13	70 - 130	151	20
Surrogate	LCSD		Limits								
	%Recovery	Qualifier									
1-Chlorooctane	18	S1-	70 - 130								
o-Terphenyl	14	S1-	70 - 130								

Lab Sample ID: 880-42494-1 MS

Matrix: Solid

Analysis Batch: 78826

Client Sample ID: CS-1 (1.5")

Prep Type: Total/NA

Prep Batch: 78780

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *- *1	998	1006		mg/Kg		97	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.8	U *- *1	998	1016		mg/Kg		100	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	112		70 - 130								
o-Terphenyl	87		70 - 130								

Lab Sample ID: 880-42494-1 MSD

Matrix: Solid

Analysis Batch: 78826

Client Sample ID: CS-1 (1.5")

Prep Type: Total/NA

Prep Batch: 78780

	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	<49.8	U *- *1	998	1057		mg/Kg		102	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<49.8	U *- *1	998	1020		mg/Kg		100	70 - 130	0	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	111		70 - 130								

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QC Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

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

Lab Sample ID: 880-42494-1 MSD

Matrix: Solid

Analysis Batch: 78826

Client Sample ID: CS-1 (1.5")

Prep Type: Total/NA

Prep Batch: 78780

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

Lab Sample ID: MB 880-78781/1-A

Matrix: Solid

Analysis Batch: 78826

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 78781

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/19/24 16:18	04/20/24 19:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/19/24 16:18	04/20/24 19:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/19/24 16:18	04/20/24 19:49	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	155	S1+	70 - 130				04/19/24 16:18	04/20/24 19:49	1
<i>o</i> -Terphenyl	142	S1+	70 - 130				04/19/24 16:18	04/20/24 19:49	1

Lab Sample ID: LCS 880-78781/2-A

Matrix: Solid

Analysis Batch: 78826

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 78781

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	887.7		mg/Kg		89	70 - 130
Diesel Range Organics (Over C10-C28)	1000	863.0		mg/Kg		86	70 - 130
Surrogate	LCS	LCS	Limits				
1-Chlorooctane	96		70 - 130				
<i>o</i> -Terphenyl	103		70 - 130				

Lab Sample ID: LCSD 880-78781/3-A

Matrix: Solid

Analysis Batch: 78826

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 78781

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	869.1		mg/Kg		87	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	897.6		mg/Kg		90	70 - 130	4	20
Surrogate	LCSD	LCSD	Limits						
1-Chlorooctane	89		70 - 130						
<i>o</i> -Terphenyl	97		70 - 130						

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QC Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

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

Lab Sample ID: 880-42494-21 MS

Matrix: Solid

Analysis Batch: 78826

Client Sample ID: CS-21 (4.0")

Prep Type: Total/NA

Prep Batch: 78781

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	1010	930.5		mg/Kg		89	70 - 130
Diesel Range Organics (Over C10-C28)	<50.3	U	1010	1280		mg/Kg		127	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	130		70 - 130						
o-Terphenyl	103		70 - 130						

Lab Sample ID: 880-42494-21 MSD

Matrix: Solid

Analysis Batch: 78826

Client Sample ID: CS-21 (4.0")

Prep Type: Total/NA

Prep Batch: 78781

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	1010	1142		mg/Kg		110	70 - 130	20	20
Diesel Range Organics (Over C10-C28)	<50.3	U	1010	1222		mg/Kg		121	70 - 130	5	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	130		70 - 130								
o-Terphenyl	100		70 - 130								

Lab Sample ID: MB 880-78782/1-A

Matrix: Solid

Analysis Batch: 78828

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 78782

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/19/24 16:20	04/20/24 08:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/19/24 16:20	04/20/24 08:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/19/24 16:20	04/20/24 08:50	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	140	S1+	70 - 130				04/19/24 16:20	04/20/24 08:50	1
o-Terphenyl	171	S1+	70 - 130				04/19/24 16:20	04/20/24 08:50	1

Lab Sample ID: LCS 880-78782/2-A

Matrix: Solid

Analysis Batch: 78828

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 78782

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	960.5		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	1000	855.2		mg/Kg		86	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-78782/2-A
Matrix: Solid
Analysis Batch: 78828

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 78782

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	94		70 - 130
o-Terphenyl	99		70 - 130

Lab Sample ID: LCSD 880-78782/3-A
Matrix: Solid
Analysis Batch: 78828

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 78782

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	906.6		mg/Kg		91	70 - 130	6	20
Diesel Range Organics (Over C10-C28)			1000	774.5		mg/Kg		77	70 - 130	10	20
Surrogate	LCSD	LCSD									
	%Recovery	Qualifier									
1-Chlorooctane	82										
o-Terphenyl	82										

Lab Sample ID: 880-42494-41 MS
Matrix: Solid
Analysis Batch: 78828

Client Sample ID: CS-41 (0.5")
Prep Type: Total/NA
Prep Batch: 78782

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	1010	901.0		mg/Kg		89	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.7	U F1 F2	1010	845.5		mg/Kg		81	70 - 130		
Surrogate	MS	MS									
	%Recovery	Qualifier									
1-Chlorooctane	95										
o-Terphenyl	85										

Lab Sample ID: 880-42494-41 MSD
Matrix: Solid
Analysis Batch: 78828

Client Sample ID: CS-41 (0.5")
Prep Type: Total/NA
Prep Batch: 78782

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	<49.7	U	1010	1098		mg/Kg		109	70 - 130	20	20
Diesel Range Organics (Over C10-C28)	<49.7	U F1 F2	1010	628.8	F1 F2	mg/Kg		60	70 - 130	29	20
Surrogate	MSD	MSD									
	%Recovery	Qualifier									
1-Chlorooctane	65	S1-									
o-Terphenyl	65	S1-									

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QC Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-78800/1-A

Matrix: Solid

Analysis Batch: 78828

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 78800

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/19/24 17:30	04/20/24 19:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/19/24 17:30	04/20/24 19:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/19/24 17:30	04/20/24 19:49	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	157	S1+	70 - 130				04/19/24 17:30	04/20/24 19:49	1
o-Terphenyl	177	S1+	70 - 130				04/19/24 17:30	04/20/24 19:49	1

Lab Sample ID: LCS 880-78800/2-A

Matrix: Solid

Analysis Batch: 78828

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 78800

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	909.6		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	1000	988.5		mg/Kg		99	70 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
1-Chlorooctane	93		70 - 130				
o-Terphenyl	116		70 - 130				

Lab Sample ID: LCSD 880-78800/3-A

Matrix: Solid

Analysis Batch: 78828

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 78800

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1061		mg/Kg		106	70 - 130	15	20
Diesel Range Organics (Over C10-C28)	1000	917.5		mg/Kg		92	70 - 130	7	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	86		70 - 130						
o-Terphenyl	90		70 - 130						

Lab Sample ID: 880-42494-61 MS

Matrix: Solid

Analysis Batch: 78828

Client Sample ID: CS-61 (0.5")

Prep Type: Total/NA

Prep Batch: 78800

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U F2	1000	861.5		mg/Kg		81	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U	1000	829.8		mg/Kg		80	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

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

Lab Sample ID: 880-42494-61 MS

Matrix: Solid

Analysis Batch: 78828

Client Sample ID: CS-61 (0.5")

Prep Type: Total/NA

Prep Batch: 78800

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenyl	89		70 - 130

Lab Sample ID: 880-42494-61 MSD

Matrix: Solid

Analysis Batch: 78828

Client Sample ID: CS-61 (0.5")

Prep Type: Total/NA

Prep Batch: 78800

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U F2	1000	1167	F2	mg/Kg		112	70 - 130	30	20
Diesel Range Organics (Over C10-C28)	<49.8	U	1000	960.5		mg/Kg		93	70 - 130	15	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	108		70 - 130
o-Terphenyl	102		70 - 130

Lab Sample ID: MB 880-78801/1-A

Matrix: Solid

Analysis Batch: 78822

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 78801

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/19/24 17:32	04/20/24 08:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/19/24 17:32	04/20/24 08:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/19/24 17:32	04/20/24 08:50	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	107		70 - 130	04/19/24 17:32	04/20/24 08:50	1			
o-Terphenyl	116		70 - 130	04/19/24 17:32	04/20/24 08:50	1			

Lab Sample ID: LCS 880-78801/2-A

Matrix: Solid

Analysis Batch: 78822

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 78801

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1005		mg/Kg		101	70 - 130
Diesel Range Organics (Over C10-C28)	1000	923.6		mg/Kg		92	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	113		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-78801/3-A
Matrix: Solid
Analysis Batch: 78822

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 78801

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1057		mg/Kg		106	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	1000	996.5		mg/Kg		100	70 - 130	8	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	104		70 - 130						
o-Terphenyl	120		70 - 130						

Lab Sample ID: 880-42494-81 MS
Matrix: Solid
Analysis Batch: 78822

Client Sample ID: CS-81 (0.5")
Prep Type: Total/NA
Prep Batch: 78801

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 F1	1010	733.1	F1	mg/Kg		69	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	1010	751.9		mg/Kg		72	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	72		70 - 130								
o-Terphenyl	66	S1-	70 - 130								

Lab Sample ID: 880-42494-81 MSD
Matrix: Solid
Analysis Batch: 78822

Client Sample ID: CS-81 (0.5")
Prep Type: Total/NA
Prep Batch: 78801

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	1010	772.1		mg/Kg		73	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1010	773.6		mg/Kg		75	70 - 130	3	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	76		70 - 130								
o-Terphenyl	66	S1-	70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-78783/1-A
Matrix: Solid
Analysis Batch: 78889

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/21/24 14:21	1

QC Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-78783/2-A
Matrix: Solid
Analysis Batch: 78889

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	252.7		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-78783/3-A
Matrix: Solid
Analysis Batch: 78889

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	251.4		mg/Kg		101	90 - 110	1	20

Lab Sample ID: 880-42494-1 MS
Matrix: Solid
Analysis Batch: 78889

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	135		249	397.9		mg/Kg		106	90 - 110

Lab Sample ID: 880-42494-1 MSD
Matrix: Solid
Analysis Batch: 78889

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	135		249	400.4		mg/Kg		107	90 - 110	1	20

Lab Sample ID: 880-42494-11 MS
Matrix: Solid
Analysis Batch: 78889

Client Sample ID: CS-11 (1.5")
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	9.63		252	252.9		mg/Kg		97	90 - 110

Lab Sample ID: 880-42494-11 MSD
Matrix: Solid
Analysis Batch: 78889

Client Sample ID: CS-11 (1.5")
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	9.63		252	253.0		mg/Kg		97	90 - 110	0	20

Lab Sample ID: MB 880-78785/1-A
Matrix: Solid
Analysis Batch: 78892

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/21/24 17:10	1

Lab Sample ID: LCS 880-78785/2-A
Matrix: Solid
Analysis Batch: 78892

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	248.9		mg/Kg		100	90 - 110

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QC Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-78785/3-A
Matrix: Solid
Analysis Batch: 78892

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	249.6		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 880-42494-41 MS
Matrix: Solid
Analysis Batch: 78892

Client Sample ID: CS-41 (0.5")
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	594		253	842.9		mg/Kg		99	90 - 110		

Lab Sample ID: 880-42494-41 MSD
Matrix: Solid
Analysis Batch: 78892

Client Sample ID: CS-41 (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	594		253	843.8		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 880-42494-51 MS
Matrix: Solid
Analysis Batch: 78892

Client Sample ID: CS-51 (0.5")
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1270		1240	2636		mg/Kg		110	90 - 110		

Lab Sample ID: 880-42494-51 MSD
Matrix: Solid
Analysis Batch: 78892

Client Sample ID: CS-51 (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	1270		1240	2636		mg/Kg		110	90 - 110	0	20

Lab Sample ID: MB 880-78788/1-A
Matrix: Solid
Analysis Batch: 78893

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/21/24 20:00	1

Lab Sample ID: LCS 880-78788/2-A
Matrix: Solid
Analysis Batch: 78893

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	250.2		mg/Kg		100	90 - 110		

Lab Sample ID: LCSD 880-78788/3-A
Matrix: Solid
Analysis Batch: 78893

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	251.0		mg/Kg		100	90 - 110	0	20

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-42494-81 MS

Matrix: Solid

Analysis Batch: 78893

Client Sample ID: CS-81 (0.5")

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	181		250	438.9		mg/Kg		103	90 - 110		

Lab Sample ID: 880-42494-81 MSD

Matrix: Solid

Analysis Batch: 78893

Client Sample ID: CS-81 (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	181		250	438.1		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 880-42494-91 MS

Matrix: Solid

Analysis Batch: 78893

Client Sample ID: CS-91 (0.5")

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	188		251	434.9		mg/Kg		98	90 - 110		

Lab Sample ID: 880-42494-91 MSD

Matrix: Solid

Analysis Batch: 78893

Client Sample ID: CS-91 (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	188		251	434.0		mg/Kg		98	90 - 110	0	20

Lab Sample ID: MB 880-78787/1-A

Matrix: Solid

Analysis Batch: 78895

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.106		5.00		mg/Kg			04/21/24 18:26	1

Lab Sample ID: LCS 880-78787/2-A

Matrix: Solid

Analysis Batch: 78895

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride		250	246.8		mg/Kg		99	90 - 110		

Lab Sample ID: LCSD 880-78787/3-A

Matrix: Solid

Analysis Batch: 78895

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte		Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride		250	246.9		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 880-42494-61 MS

Matrix: Solid

Analysis Batch: 78895

Client Sample ID: CS-61 (0.5")

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	1250	B	1260	2567		mg/Kg		105	90 - 110		

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-42494-61 MSD

Matrix: Solid

Analysis Batch: 78895

Client Sample ID: CS-61 (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	1250	B	1260	2544		mg/Kg		103	90 - 110	1	20

Lab Sample ID: 880-42494-71 MS

Matrix: Solid

Analysis Batch: 78895

Client Sample ID: CS-71 (0.5")

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	362	F1 B	252	587.2	F1	mg/Kg		89	90 - 110		

Lab Sample ID: 880-42494-71 MSD

Matrix: Solid

Analysis Batch: 78895

Client Sample ID: CS-71 (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	362	F1 B	252	590.5		mg/Kg		91	90 - 110	1	20

Lab Sample ID: MB 880-78784/1-A

Matrix: Solid

Analysis Batch: 78896

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/21/24 14:44	1

Lab Sample ID: LCS 880-78784/2-A

Matrix: Solid

Analysis Batch: 78896

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	244.2		mg/Kg		98	90 - 110		

Lab Sample ID: LCSD 880-78784/3-A

Matrix: Solid

Analysis Batch: 78896

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	242.4		mg/Kg		97	90 - 110	1	20

Lab Sample ID: 880-42494-21 MS

Matrix: Solid

Analysis Batch: 78896

Client Sample ID: CS-21 (4.0")

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	1040		1260	2401		mg/Kg		108	90 - 110		

Lab Sample ID: 880-42494-21 MSD

Matrix: Solid

Analysis Batch: 78896

Client Sample ID: CS-21 (4.0")

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1040		1260	2353		mg/Kg		104	90 - 110	2	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-42494-31 MS Matrix: Solid Analysis Batch: 78896											Client Sample ID: CS-31 (0.5") Prep Type: Soluble		
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits				
Chloride	183		252	428.3		mg/Kg		97	90 - 110				
Lab Sample ID: 880-42494-31 MSD Matrix: Solid Analysis Batch: 78896											Client Sample ID: CS-31 (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	183		252	431.0		mg/Kg		98	90 - 110	1	20		
Lab Sample ID: MB 880-78835/1-A Matrix: Solid Analysis Batch: 78897											Client Sample ID: Method Blank Prep Type: Soluble		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac				
Chloride	<5.00	U	5.00		mg/Kg			04/21/24 22:07	1				
Lab Sample ID: LCS 880-78835/2-A Matrix: Solid Analysis Batch: 78897											Client Sample ID: Lab Control Sample Prep Type: Soluble		
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits				
Chloride			250	248.5		mg/Kg		99	90 - 110				
Lab Sample ID: LCSD 880-78835/3-A Matrix: Solid Analysis Batch: 78897											Client Sample ID: Lab Control Sample Dup Prep Type: Soluble		
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Chloride			250	246.6		mg/Kg		99	90 - 110	1	20		
Lab Sample ID: 880-42494-101 MS Matrix: Solid Analysis Batch: 78897											Client Sample ID: SW-4 (2.5") Prep Type: Soluble		
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits				
Chloride	74.2		253	323.8		mg/Kg		99	90 - 110				
Lab Sample ID: 880-42494-101 MSD Matrix: Solid Analysis Batch: 78897											Client Sample ID: SW-4 (2.5") Prep Type: Soluble		
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Chloride	74.2		253	321.1		mg/Kg		98	90 - 110	1	20		

QC Association Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

GC VOA

Analysis Batch: 78858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42494-1	CS-1 (1.5")	Total/NA	Solid	8021B	78860
880-42494-2	CS-2 (1.5")	Total/NA	Solid	8021B	78860
880-42494-3	CS-3 (1.5")	Total/NA	Solid	8021B	78860
880-42494-4	CS-4 (1.5")	Total/NA	Solid	8021B	78860
880-42494-5	CS-5 (1.5")	Total/NA	Solid	8021B	78860
880-42494-6	CS-6 (1.5")	Total/NA	Solid	8021B	78860
880-42494-7	CS-7 (1.5")	Total/NA	Solid	8021B	78860
880-42494-8	CS-8 (1.5")	Total/NA	Solid	8021B	78860
880-42494-9	CS-9 (1.5")	Total/NA	Solid	8021B	78860
880-42494-10	CS-10 (1.5")	Total/NA	Solid	8021B	78860
MB 880-78860/5-A	Method Blank	Total/NA	Solid	8021B	78860
LCS 880-78860/1-A	Lab Control Sample	Total/NA	Solid	8021B	78860
LCSD 880-78860/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	78860
880-42494-1 MS	CS-1 (1.5")	Total/NA	Solid	8021B	78860
880-42494-1 MSD	CS-1 (1.5")	Total/NA	Solid	8021B	78860

Analysis Batch: 78859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42494-41	CS-41 (0.5")	Total/NA	Solid	8021B	78862
880-42494-42	CS-42 (0.5")	Total/NA	Solid	8021B	78862
880-42494-43	CS-43 (0.5")	Total/NA	Solid	8021B	78862
880-42494-44	CS-44 (0.5")	Total/NA	Solid	8021B	78862
880-42494-45	CS-45 (0.5")	Total/NA	Solid	8021B	78862
880-42494-46	CS-46 (0.5")	Total/NA	Solid	8021B	78862
880-42494-47	CS-47 (0.5")	Total/NA	Solid	8021B	78862
880-42494-48	CS-48 (0.5")	Total/NA	Solid	8021B	78862
880-42494-49	CS-49 (0.5")	Total/NA	Solid	8021B	78862
880-42494-50	CS-50 (0.5")	Total/NA	Solid	8021B	78862
880-42494-51	CS-51 (0.5")	Total/NA	Solid	8021B	78862
880-42494-52	CS-52 (0.5")	Total/NA	Solid	8021B	78862
880-42494-53	CS-53 (0.5")	Total/NA	Solid	8021B	78862
880-42494-54	CS-54 (0.5")	Total/NA	Solid	8021B	78862
880-42494-55	CS-55 (0.5")	Total/NA	Solid	8021B	78862
880-42494-56	CS-56 (0.5")	Total/NA	Solid	8021B	78862
880-42494-57	CS-57 (0.5")	Total/NA	Solid	8021B	78862
880-42494-58	CS-58 (0.5")	Total/NA	Solid	8021B	78862
880-42494-59	CS-59 (0.5")	Total/NA	Solid	8021B	78862
880-42494-60	CS-60 (0.5")	Total/NA	Solid	8021B	78862
880-42494-61	CS-61 (0.5")	Total/NA	Solid	8021B	78863
880-42494-62	CS-62 (0.5")	Total/NA	Solid	8021B	78863
880-42494-63	CS-63 (0.5")	Total/NA	Solid	8021B	78863
880-42494-64	CS-64 (0.5")	Total/NA	Solid	8021B	78863
880-42494-65	CS-65 (0.5")	Total/NA	Solid	8021B	78863
880-42494-66	CS-66 (0.5")	Total/NA	Solid	8021B	78863
880-42494-67	CS-67 (0.5")	Total/NA	Solid	8021B	78863
880-42494-68	CS-68 (0.5")	Total/NA	Solid	8021B	78863
880-42494-69	CS-69 (0.5")	Total/NA	Solid	8021B	78863
880-42494-70	CS-70 (0.5")	Total/NA	Solid	8021B	78863
880-42494-71	CS-71 (0.5")	Total/NA	Solid	8021B	78863
880-42494-72	CS-72 (0.5")	Total/NA	Solid	8021B	78863
880-42494-73	CS-73 (0.5")	Total/NA	Solid	8021B	78863

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QC Association Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

GC VOA (Continued)

Analysis Batch: 78859 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42494-74	CS-74 (0.5")	Total/NA	Solid	8021B	78863
880-42494-75	CS-75 (0.5")	Total/NA	Solid	8021B	78863
880-42494-76	CS-76 (0.5")	Total/NA	Solid	8021B	78863
880-42494-77	CS-77 (0.5")	Total/NA	Solid	8021B	78863
880-42494-78	CS-78 (0.5")	Total/NA	Solid	8021B	78863
880-42494-79	CS-79 (0.5")	Total/NA	Solid	8021B	78863
880-42494-80	CS-80 (0.5")	Total/NA	Solid	8021B	78863
MB 880-78862/5-A	Method Blank	Total/NA	Solid	8021B	78862
MB 880-78863/5-A	Method Blank	Total/NA	Solid	8021B	78863
LCS 880-78862/1-A	Lab Control Sample	Total/NA	Solid	8021B	78862
LCS 880-78863/1-A	Lab Control Sample	Total/NA	Solid	8021B	78863
LCSD 880-78862/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	78862
LCSD 880-78863/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	78863
880-42494-41 MS	CS-41 (0.5")	Total/NA	Solid	8021B	78862
880-42494-41 MSD	CS-41 (0.5")	Total/NA	Solid	8021B	78862
880-42494-61 MS	CS-61 (0.5")	Total/NA	Solid	8021B	78863
880-42494-61 MSD	CS-61 (0.5")	Total/NA	Solid	8021B	78863

Prep Batch: 78860

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42494-1	CS-1 (1.5")	Total/NA	Solid	5035	
880-42494-2	CS-2 (1.5")	Total/NA	Solid	5035	
880-42494-3	CS-3 (1.5")	Total/NA	Solid	5035	
880-42494-4	CS-4 (1.5")	Total/NA	Solid	5035	
880-42494-5	CS-5 (1.5")	Total/NA	Solid	5035	
880-42494-6	CS-6 (1.5")	Total/NA	Solid	5035	
880-42494-7	CS-7 (1.5")	Total/NA	Solid	5035	
880-42494-8	CS-8 (1.5")	Total/NA	Solid	5035	
880-42494-9	CS-9 (1.5")	Total/NA	Solid	5035	
880-42494-10	CS-10 (1.5")	Total/NA	Solid	5035	
MB 880-78860/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-78860/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-78860/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-42494-1 MS	CS-1 (1.5")	Total/NA	Solid	5035	
880-42494-1 MSD	CS-1 (1.5")	Total/NA	Solid	5035	

Prep Batch: 78861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42494-21	CS-21 (4.0")	Total/NA	Solid	5035	
880-42494-22	CS-22 (4.0")	Total/NA	Solid	5035	
880-42494-23	CS-23 (4.0")	Total/NA	Solid	5035	
880-42494-24	CS-24 (4.0")	Total/NA	Solid	5035	
880-42494-25	CS-25 (4.0")	Total/NA	Solid	5035	
880-42494-26	CS-26 (4.0")	Total/NA	Solid	5035	
880-42494-27	CS-27 (0.5")	Total/NA	Solid	5035	
880-42494-28	CS-28 (0.5")	Total/NA	Solid	5035	
880-42494-29	CS-29 (0.5")	Total/NA	Solid	5035	
880-42494-30	CS-30 (0.5")	Total/NA	Solid	5035	
880-42494-31	CS-31 (0.5")	Total/NA	Solid	5035	
880-42494-32	CS-32 (0.5")	Total/NA	Solid	5035	
880-42494-33	CS-33 (0.5")	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

GC VOA (Continued)

Prep Batch: 78861 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42494-34	CS-34 (0.5")	Total/NA	Solid	5035	
880-42494-35	CS-35 (0.5")	Total/NA	Solid	5035	
880-42494-36	CS-36 (0.5")	Total/NA	Solid	5035	
880-42494-37	CS-37 (0.5")	Total/NA	Solid	5035	
880-42494-38	CS-38 (0.5")	Total/NA	Solid	5035	
880-42494-39	CS-39 (0.5")	Total/NA	Solid	5035	
880-42494-40	CS-40 (0.5")	Total/NA	Solid	5035	
MB 880-78861/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-78861/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-78861/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-42494-21 MS	CS-21 (4.0")	Total/NA	Solid	5035	
880-42494-21 MSD	CS-21 (4.0")	Total/NA	Solid	5035	

Prep Batch: 78862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42494-41	CS-41 (0.5")	Total/NA	Solid	5035	
880-42494-42	CS-42 (0.5")	Total/NA	Solid	5035	
880-42494-43	CS-43 (0.5")	Total/NA	Solid	5035	
880-42494-44	CS-44 (0.5")	Total/NA	Solid	5035	
880-42494-45	CS-45 (0.5")	Total/NA	Solid	5035	
880-42494-46	CS-46 (0.5")	Total/NA	Solid	5035	
880-42494-47	CS-47 (0.5")	Total/NA	Solid	5035	
880-42494-48	CS-48 (0.5")	Total/NA	Solid	5035	
880-42494-49	CS-49 (0.5")	Total/NA	Solid	5035	
880-42494-50	CS-50 (0.5")	Total/NA	Solid	5035	
880-42494-51	CS-51 (0.5")	Total/NA	Solid	5035	
880-42494-52	CS-52 (0.5")	Total/NA	Solid	5035	
880-42494-53	CS-53 (0.5")	Total/NA	Solid	5035	
880-42494-54	CS-54 (0.5")	Total/NA	Solid	5035	
880-42494-55	CS-55 (0.5")	Total/NA	Solid	5035	
880-42494-56	CS-56 (0.5")	Total/NA	Solid	5035	
880-42494-57	CS-57 (0.5")	Total/NA	Solid	5035	
880-42494-58	CS-58 (0.5")	Total/NA	Solid	5035	
880-42494-59	CS-59 (0.5")	Total/NA	Solid	5035	
880-42494-60	CS-60 (0.5")	Total/NA	Solid	5035	
MB 880-78862/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-78862/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-78862/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-42494-41 MS	CS-41 (0.5")	Total/NA	Solid	5035	
880-42494-41 MSD	CS-41 (0.5")	Total/NA	Solid	5035	

Prep Batch: 78863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42494-61	CS-61 (0.5")	Total/NA	Solid	5035	
880-42494-62	CS-62 (0.5")	Total/NA	Solid	5035	
880-42494-63	CS-63 (0.5")	Total/NA	Solid	5035	
880-42494-64	CS-64 (0.5")	Total/NA	Solid	5035	
880-42494-65	CS-65 (0.5")	Total/NA	Solid	5035	
880-42494-66	CS-66 (0.5")	Total/NA	Solid	5035	
880-42494-67	CS-67 (0.5")	Total/NA	Solid	5035	
880-42494-68	CS-68 (0.5")	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

GC VOA (Continued)

Prep Batch: 78863 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42494-69	CS-69 (0.5")	Total/NA	Solid	5035	
880-42494-70	CS-70 (0.5")	Total/NA	Solid	5035	
880-42494-71	CS-71 (0.5")	Total/NA	Solid	5035	
880-42494-72	CS-72 (0.5")	Total/NA	Solid	5035	
880-42494-73	CS-73 (0.5")	Total/NA	Solid	5035	
880-42494-74	CS-74 (0.5")	Total/NA	Solid	5035	
880-42494-75	CS-75 (0.5")	Total/NA	Solid	5035	
880-42494-76	CS-76 (0.5")	Total/NA	Solid	5035	
880-42494-77	CS-77 (0.5")	Total/NA	Solid	5035	
880-42494-78	CS-78 (0.5")	Total/NA	Solid	5035	
880-42494-79	CS-79 (0.5")	Total/NA	Solid	5035	
880-42494-80	CS-80 (0.5")	Total/NA	Solid	5035	
MB 880-78863/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-78863/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-78863/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-42494-61 MS	CS-61 (0.5")	Total/NA	Solid	5035	
880-42494-61 MSD	CS-61 (0.5")	Total/NA	Solid	5035	

Prep Batch: 78864

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42494-81	CS-81 (0.5")	Total/NA	Solid	5035	
880-42494-82	CS-82 (0.5")	Total/NA	Solid	5035	
880-42494-83	CS-83 (0.5")	Total/NA	Solid	5035	
880-42494-84	CS-84 (0.5")	Total/NA	Solid	5035	
880-42494-85	CS-85 (0.5")	Total/NA	Solid	5035	
880-42494-86	CS-86 (0.5")	Total/NA	Solid	5035	
880-42494-87	CS-87 (0.5")	Total/NA	Solid	5035	
880-42494-88	CS-88 (0.5")	Total/NA	Solid	5035	
880-42494-89	CS-89 (0.5")	Total/NA	Solid	5035	
880-42494-90	CS-90 (0.5")	Total/NA	Solid	5035	
880-42494-91	CS-91 (0.5")	Total/NA	Solid	5035	
880-42494-92	CS-92 (0.5")	Total/NA	Solid	5035	
880-42494-93	CS-93 (0.5")	Total/NA	Solid	5035	
880-42494-94	CS-94 (0.5")	Total/NA	Solid	5035	
880-42494-95	CS-95 (0.5")	Total/NA	Solid	5035	
880-42494-96	CS-96 (0.5")	Total/NA	Solid	5035	
880-42494-97	CS-97 (0.5")	Total/NA	Solid	5035	
880-42494-98	SW-1 (1.5")	Total/NA	Solid	5035	
880-42494-99	SW-2 (1.5")	Total/NA	Solid	5035	
880-42494-100	SW-3 (1.5")	Total/NA	Solid	5035	
MB 880-78864/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-78864/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-78864/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-42494-81 MS	CS-81 (0.5")	Total/NA	Solid	5035	
880-42494-81 MSD	CS-81 (0.5")	Total/NA	Solid	5035	

Analysis Batch: 78874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42494-21	CS-21 (4.0")	Total/NA	Solid	8021B	78861
880-42494-22	CS-22 (4.0")	Total/NA	Solid	8021B	78861
880-42494-23	CS-23 (4.0")	Total/NA	Solid	8021B	78861

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

GC VOA (Continued)

Analysis Batch: 78874 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42494-24	CS-24 (4.0")	Total/NA	Solid	8021B	78861
880-42494-25	CS-25 (4.0")	Total/NA	Solid	8021B	78861
880-42494-26	CS-26 (4.0")	Total/NA	Solid	8021B	78861
880-42494-27	CS-27 (0.5")	Total/NA	Solid	8021B	78861
880-42494-28	CS-28 (0.5")	Total/NA	Solid	8021B	78861
880-42494-29	CS-29 (0.5")	Total/NA	Solid	8021B	78861
880-42494-30	CS-30 (0.5")	Total/NA	Solid	8021B	78861
880-42494-31	CS-31 (0.5")	Total/NA	Solid	8021B	78861
880-42494-32	CS-32 (0.5")	Total/NA	Solid	8021B	78861
880-42494-33	CS-33 (0.5")	Total/NA	Solid	8021B	78861
880-42494-34	CS-34 (0.5")	Total/NA	Solid	8021B	78861
880-42494-35	CS-35 (0.5")	Total/NA	Solid	8021B	78861
880-42494-36	CS-36 (0.5")	Total/NA	Solid	8021B	78861
880-42494-37	CS-37 (0.5")	Total/NA	Solid	8021B	78861
880-42494-38	CS-38 (0.5")	Total/NA	Solid	8021B	78861
880-42494-39	CS-39 (0.5")	Total/NA	Solid	8021B	78861
880-42494-40	CS-40 (0.5")	Total/NA	Solid	8021B	78861
MB 880-78861/5-A	Method Blank	Total/NA	Solid	8021B	78861
LCS 880-78861/1-A	Lab Control Sample	Total/NA	Solid	8021B	78861
LCSD 880-78861/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	78861
880-42494-21 MS	CS-21 (4.0")	Total/NA	Solid	8021B	78861
880-42494-21 MSD	CS-21 (4.0")	Total/NA	Solid	8021B	78861

Analysis Batch: 78876

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42494-81	CS-81 (0.5")	Total/NA	Solid	8021B	78864
880-42494-82	CS-82 (0.5")	Total/NA	Solid	8021B	78864
880-42494-83	CS-83 (0.5")	Total/NA	Solid	8021B	78864
880-42494-84	CS-84 (0.5")	Total/NA	Solid	8021B	78864
880-42494-85	CS-85 (0.5")	Total/NA	Solid	8021B	78864
880-42494-86	CS-86 (0.5")	Total/NA	Solid	8021B	78864
880-42494-87	CS-87 (0.5")	Total/NA	Solid	8021B	78864
880-42494-88	CS-88 (0.5")	Total/NA	Solid	8021B	78864
880-42494-89	CS-89 (0.5")	Total/NA	Solid	8021B	78864
880-42494-90	CS-90 (0.5")	Total/NA	Solid	8021B	78864
880-42494-91	CS-91 (0.5")	Total/NA	Solid	8021B	78864
880-42494-92	CS-92 (0.5")	Total/NA	Solid	8021B	78864
880-42494-93	CS-93 (0.5")	Total/NA	Solid	8021B	78864
880-42494-94	CS-94 (0.5")	Total/NA	Solid	8021B	78864
880-42494-95	CS-95 (0.5")	Total/NA	Solid	8021B	78864
880-42494-96	CS-96 (0.5")	Total/NA	Solid	8021B	78864
880-42494-97	CS-97 (0.5")	Total/NA	Solid	8021B	78864
880-42494-98	SW-1 (1.5")	Total/NA	Solid	8021B	78864
880-42494-99	SW-2 (1.5")	Total/NA	Solid	8021B	78864
880-42494-100	SW-3 (1.5")	Total/NA	Solid	8021B	78864
MB 880-78864/5-A	Method Blank	Total/NA	Solid	8021B	78864
LCS 880-78864/1-A	Lab Control Sample	Total/NA	Solid	8021B	78864
LCSD 880-78864/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	78864
880-42494-81 MS	CS-81 (0.5")	Total/NA	Solid	8021B	78864
880-42494-81 MSD	CS-81 (0.5")	Total/NA	Solid	8021B	78864

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

GC VOA

Analysis Batch: 78885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42494-11	CS-11 (1.5")	Total/NA	Solid	8021B	78891
880-42494-12	CS-12 (1.5")	Total/NA	Solid	8021B	78891
880-42494-13	CS-13 (4.0")	Total/NA	Solid	8021B	78891
880-42494-14	CS-14 (4.0")	Total/NA	Solid	8021B	78891
880-42494-15	CS-15 (4.0")	Total/NA	Solid	8021B	78891
880-42494-16	CS-16 (4.0")	Total/NA	Solid	8021B	78891
880-42494-17	CS-17 (4.0")	Total/NA	Solid	8021B	78891
880-42494-18	CS-18 (4.0")	Total/NA	Solid	8021B	78891
880-42494-19	CS-19 (4.0")	Total/NA	Solid	8021B	78891
880-42494-20	CS-20 (4.0")	Total/NA	Solid	8021B	78891
880-42494-101	SW-4 (2.5")	Total/NA	Solid	8021B	78891
880-42494-102	SW-5 (4.0")	Total/NA	Solid	8021B	78891
880-42494-103	SW-6 (4.0")	Total/NA	Solid	8021B	78891
880-42494-104	SW-7 (2.5")	Total/NA	Solid	8021B	78891
MB 880-78891/5-A	Method Blank	Total/NA	Solid	8021B	78891
LCS 880-78891/1-A	Lab Control Sample	Total/NA	Solid	8021B	78891
LCSD 880-78891/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	78891
880-42494-11 MS	CS-11 (1.5")	Total/NA	Solid	8021B	78891
880-42494-11 MSD	CS-11 (1.5")	Total/NA	Solid	8021B	78891

Prep Batch: 78891

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42494-11	CS-11 (1.5")	Total/NA	Solid	5035	
880-42494-12	CS-12 (1.5")	Total/NA	Solid	5035	
880-42494-13	CS-13 (4.0")	Total/NA	Solid	5035	
880-42494-14	CS-14 (4.0")	Total/NA	Solid	5035	
880-42494-15	CS-15 (4.0")	Total/NA	Solid	5035	
880-42494-16	CS-16 (4.0")	Total/NA	Solid	5035	
880-42494-17	CS-17 (4.0")	Total/NA	Solid	5035	
880-42494-18	CS-18 (4.0")	Total/NA	Solid	5035	
880-42494-19	CS-19 (4.0")	Total/NA	Solid	5035	
880-42494-20	CS-20 (4.0")	Total/NA	Solid	5035	
880-42494-101	SW-4 (2.5")	Total/NA	Solid	5035	
880-42494-102	SW-5 (4.0")	Total/NA	Solid	5035	
880-42494-103	SW-6 (4.0")	Total/NA	Solid	5035	
880-42494-104	SW-7 (2.5")	Total/NA	Solid	5035	
MB 880-78891/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-78891/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-78891/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-42494-11 MS	CS-11 (1.5")	Total/NA	Solid	5035	
880-42494-11 MSD	CS-11 (1.5")	Total/NA	Solid	5035	

Analysis Batch: 78948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42494-1	CS-1 (1.5")	Total/NA	Solid	Total BTEX	
880-42494-2	CS-2 (1.5")	Total/NA	Solid	Total BTEX	
880-42494-3	CS-3 (1.5")	Total/NA	Solid	Total BTEX	
880-42494-4	CS-4 (1.5")	Total/NA	Solid	Total BTEX	
880-42494-5	CS-5 (1.5")	Total/NA	Solid	Total BTEX	
880-42494-6	CS-6 (1.5")	Total/NA	Solid	Total BTEX	
880-42494-7	CS-7 (1.5")	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

GC VOA (Continued)

Analysis Batch: 78948 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42494-8	CS-8 (1.5")	Total/NA	Solid	Total BTEX	
880-42494-9	CS-9 (1.5")	Total/NA	Solid	Total BTEX	
880-42494-10	CS-10 (1.5")	Total/NA	Solid	Total BTEX	
880-42494-11	CS-11 (1.5")	Total/NA	Solid	Total BTEX	
880-42494-12	CS-12 (1.5")	Total/NA	Solid	Total BTEX	
880-42494-13	CS-13 (4.0")	Total/NA	Solid	Total BTEX	
880-42494-14	CS-14 (4.0")	Total/NA	Solid	Total BTEX	
880-42494-15	CS-15 (4.0")	Total/NA	Solid	Total BTEX	
880-42494-16	CS-16 (4.0")	Total/NA	Solid	Total BTEX	
880-42494-17	CS-17 (4.0")	Total/NA	Solid	Total BTEX	
880-42494-18	CS-18 (4.0")	Total/NA	Solid	Total BTEX	
880-42494-19	CS-19 (4.0")	Total/NA	Solid	Total BTEX	
880-42494-20	CS-20 (4.0")	Total/NA	Solid	Total BTEX	
880-42494-21	CS-21 (4.0")	Total/NA	Solid	Total BTEX	
880-42494-22	CS-22 (4.0")	Total/NA	Solid	Total BTEX	
880-42494-23	CS-23 (4.0")	Total/NA	Solid	Total BTEX	
880-42494-24	CS-24 (4.0")	Total/NA	Solid	Total BTEX	
880-42494-25	CS-25 (4.0")	Total/NA	Solid	Total BTEX	
880-42494-26	CS-26 (4.0")	Total/NA	Solid	Total BTEX	
880-42494-27	CS-27 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-28	CS-28 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-29	CS-29 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-30	CS-30 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-31	CS-31 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-32	CS-32 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-33	CS-33 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-34	CS-34 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-35	CS-35 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-36	CS-36 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-37	CS-37 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-38	CS-38 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-39	CS-39 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-40	CS-40 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-41	CS-41 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-42	CS-42 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-43	CS-43 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-44	CS-44 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-45	CS-45 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-46	CS-46 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-47	CS-47 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-48	CS-48 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-49	CS-49 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-50	CS-50 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-51	CS-51 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-52	CS-52 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-53	CS-53 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-54	CS-54 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-55	CS-55 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-56	CS-56 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-57	CS-57 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-58	CS-58 (0.5")	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

GC VOA (Continued)

Analysis Batch: 78948 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42494-59	CS-59 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-60	CS-60 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-61	CS-61 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-62	CS-62 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-63	CS-63 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-64	CS-64 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-65	CS-65 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-66	CS-66 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-67	CS-67 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-68	CS-68 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-69	CS-69 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-70	CS-70 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-71	CS-71 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-72	CS-72 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-73	CS-73 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-74	CS-74 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-75	CS-75 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-76	CS-76 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-77	CS-77 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-78	CS-78 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-79	CS-79 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-80	CS-80 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-81	CS-81 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-82	CS-82 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-83	CS-83 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-84	CS-84 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-85	CS-85 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-86	CS-86 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-87	CS-87 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-88	CS-88 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-89	CS-89 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-90	CS-90 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-91	CS-91 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-92	CS-92 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-93	CS-93 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-94	CS-94 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-95	CS-95 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-96	CS-96 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-97	CS-97 (0.5")	Total/NA	Solid	Total BTEX	
880-42494-98	SW-1 (1.5")	Total/NA	Solid	Total BTEX	
880-42494-99	SW-2 (1.5")	Total/NA	Solid	Total BTEX	
880-42494-100	SW-3 (1.5")	Total/NA	Solid	Total BTEX	
880-42494-101	SW-4 (2.5")	Total/NA	Solid	Total BTEX	
880-42494-102	SW-5 (4.0")	Total/NA	Solid	Total BTEX	
880-42494-103	SW-6 (4.0")	Total/NA	Solid	Total BTEX	
880-42494-104	SW-7 (2.5")	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

GC Semi VOA

Prep Batch: 78774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42494-101	SW-4 (2.5")	Total/NA	Solid	8015NM Prep	
880-42494-102	SW-5 (4.0")	Total/NA	Solid	8015NM Prep	
880-42494-103	SW-6 (4.0")	Total/NA	Solid	8015NM Prep	
880-42494-104	SW-7 (2.5")	Total/NA	Solid	8015NM Prep	
MB 880-78774/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-78774/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-78774/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-42448-A-10-N MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-42448-A-10-O MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 78780

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42494-1	CS-1 (1.5")	Total/NA	Solid	8015NM Prep	
880-42494-2	CS-2 (1.5")	Total/NA	Solid	8015NM Prep	
880-42494-3	CS-3 (1.5")	Total/NA	Solid	8015NM Prep	
880-42494-4	CS-4 (1.5")	Total/NA	Solid	8015NM Prep	
880-42494-5	CS-5 (1.5")	Total/NA	Solid	8015NM Prep	
880-42494-6	CS-6 (1.5")	Total/NA	Solid	8015NM Prep	
880-42494-7	CS-7 (1.5")	Total/NA	Solid	8015NM Prep	
880-42494-8	CS-8 (1.5")	Total/NA	Solid	8015NM Prep	
880-42494-9	CS-9 (1.5")	Total/NA	Solid	8015NM Prep	
880-42494-10	CS-10 (1.5")	Total/NA	Solid	8015NM Prep	
880-42494-11	CS-11 (1.5")	Total/NA	Solid	8015NM Prep	
880-42494-12	CS-12 (1.5")	Total/NA	Solid	8015NM Prep	
880-42494-13	CS-13 (4.0")	Total/NA	Solid	8015NM Prep	
880-42494-14	CS-14 (4.0")	Total/NA	Solid	8015NM Prep	
880-42494-15	CS-15 (4.0")	Total/NA	Solid	8015NM Prep	
880-42494-16	CS-16 (4.0")	Total/NA	Solid	8015NM Prep	
880-42494-17	CS-17 (4.0")	Total/NA	Solid	8015NM Prep	
880-42494-18	CS-18 (4.0")	Total/NA	Solid	8015NM Prep	
880-42494-19	CS-19 (4.0")	Total/NA	Solid	8015NM Prep	
880-42494-20	CS-20 (4.0")	Total/NA	Solid	8015NM Prep	
MB 880-78780/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-78780/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-78780/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-42494-1 MS	CS-1 (1.5")	Total/NA	Solid	8015NM Prep	
880-42494-1 MSD	CS-1 (1.5")	Total/NA	Solid	8015NM Prep	

Prep Batch: 78781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42494-21	CS-21 (4.0")	Total/NA	Solid	8015NM Prep	
880-42494-22	CS-22 (4.0")	Total/NA	Solid	8015NM Prep	
880-42494-23	CS-23 (4.0")	Total/NA	Solid	8015NM Prep	
880-42494-24	CS-24 (4.0")	Total/NA	Solid	8015NM Prep	
880-42494-25	CS-25 (4.0")	Total/NA	Solid	8015NM Prep	
880-42494-26	CS-26 (4.0")	Total/NA	Solid	8015NM Prep	
880-42494-27	CS-27 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-28	CS-28 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-29	CS-29 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-30	CS-30 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-31	CS-31 (0.5")	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Prep Batch: 78781 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42494-32	CS-32 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-33	CS-33 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-34	CS-34 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-35	CS-35 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-36	CS-36 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-37	CS-37 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-38	CS-38 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-39	CS-39 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-40	CS-40 (0.5")	Total/NA	Solid	8015NM Prep	
MB 880-78781/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-78781/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-78781/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-42494-21 MS	CS-21 (4.0")	Total/NA	Solid	8015NM Prep	
880-42494-21 MSD	CS-21 (4.0")	Total/NA	Solid	8015NM Prep	

Prep Batch: 78782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42494-41	CS-41 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-42	CS-42 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-43	CS-43 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-44	CS-44 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-45	CS-45 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-46	CS-46 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-47	CS-47 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-48	CS-48 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-49	CS-49 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-50	CS-50 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-51	CS-51 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-52	CS-52 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-53	CS-53 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-54	CS-54 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-55	CS-55 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-56	CS-56 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-57	CS-57 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-58	CS-58 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-59	CS-59 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-60	CS-60 (0.5")	Total/NA	Solid	8015NM Prep	
MB 880-78782/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-78782/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-78782/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-42494-41 MS	CS-41 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-41 MSD	CS-41 (0.5")	Total/NA	Solid	8015NM Prep	

Prep Batch: 78800

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42494-61	CS-61 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-62	CS-62 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-63	CS-63 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-64	CS-64 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-65	CS-65 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-66	CS-66 (0.5")	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Prep Batch: 78800 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42494-67	CS-67 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-68	CS-68 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-69	CS-69 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-70	CS-70 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-71	CS-71 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-72	CS-72 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-73	CS-73 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-74	CS-74 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-75	CS-75 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-76	CS-76 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-77	CS-77 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-78	CS-78 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-79	CS-79 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-80	CS-80 (0.5")	Total/NA	Solid	8015NM Prep	
MB 880-78800/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-78800/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-78800/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-42494-61 MS	CS-61 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-61 MSD	CS-61 (0.5")	Total/NA	Solid	8015NM Prep	

Prep Batch: 78801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42494-81	CS-81 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-82	CS-82 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-83	CS-83 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-84	CS-84 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-85	CS-85 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-86	CS-86 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-87	CS-87 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-88	CS-88 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-89	CS-89 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-90	CS-90 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-91	CS-91 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-92	CS-92 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-93	CS-93 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-94	CS-94 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-95	CS-95 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-96	CS-96 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-97	CS-97 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-98	SW-1 (1.5")	Total/NA	Solid	8015NM Prep	
880-42494-99	SW-2 (1.5")	Total/NA	Solid	8015NM Prep	
880-42494-100	SW-3 (1.5")	Total/NA	Solid	8015NM Prep	
MB 880-78801/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-78801/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-78801/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-42494-81 MS	CS-81 (0.5")	Total/NA	Solid	8015NM Prep	
880-42494-81 MSD	CS-81 (0.5")	Total/NA	Solid	8015NM Prep	

Analysis Batch: 78822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42494-81	CS-81 (0.5")	Total/NA	Solid	8015B NM	78801

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 78822 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42494-82	CS-82 (0.5")	Total/NA	Solid	8015B NM	78801
880-42494-83	CS-83 (0.5")	Total/NA	Solid	8015B NM	78801
880-42494-84	CS-84 (0.5")	Total/NA	Solid	8015B NM	78801
880-42494-85	CS-85 (0.5")	Total/NA	Solid	8015B NM	78801
880-42494-86	CS-86 (0.5")	Total/NA	Solid	8015B NM	78801
880-42494-87	CS-87 (0.5")	Total/NA	Solid	8015B NM	78801
880-42494-88	CS-88 (0.5")	Total/NA	Solid	8015B NM	78801
880-42494-89	CS-89 (0.5")	Total/NA	Solid	8015B NM	78801
880-42494-90	CS-90 (0.5")	Total/NA	Solid	8015B NM	78801
880-42494-91	CS-91 (0.5")	Total/NA	Solid	8015B NM	78801
880-42494-92	CS-92 (0.5")	Total/NA	Solid	8015B NM	78801
880-42494-93	CS-93 (0.5")	Total/NA	Solid	8015B NM	78801
880-42494-94	CS-94 (0.5")	Total/NA	Solid	8015B NM	78801
880-42494-95	CS-95 (0.5")	Total/NA	Solid	8015B NM	78801
880-42494-96	CS-96 (0.5")	Total/NA	Solid	8015B NM	78801
880-42494-97	CS-97 (0.5")	Total/NA	Solid	8015B NM	78801
880-42494-98	SW-1 (1.5")	Total/NA	Solid	8015B NM	78801
880-42494-99	SW-2 (1.5")	Total/NA	Solid	8015B NM	78801
880-42494-100	SW-3 (1.5")	Total/NA	Solid	8015B NM	78801
MB 880-78801/1-A	Method Blank	Total/NA	Solid	8015B NM	78801
LCS 880-78801/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	78801
LCSD 880-78801/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	78801
880-42494-81 MS	CS-81 (0.5")	Total/NA	Solid	8015B NM	78801
880-42494-81 MSD	CS-81 (0.5")	Total/NA	Solid	8015B NM	78801

Analysis Batch: 78826

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42494-1	CS-1 (1.5")	Total/NA	Solid	8015B NM	78780
880-42494-2	CS-2 (1.5")	Total/NA	Solid	8015B NM	78780
880-42494-3	CS-3 (1.5")	Total/NA	Solid	8015B NM	78780
880-42494-4	CS-4 (1.5")	Total/NA	Solid	8015B NM	78780
880-42494-5	CS-5 (1.5")	Total/NA	Solid	8015B NM	78780
880-42494-6	CS-6 (1.5")	Total/NA	Solid	8015B NM	78780
880-42494-7	CS-7 (1.5")	Total/NA	Solid	8015B NM	78780
880-42494-8	CS-8 (1.5")	Total/NA	Solid	8015B NM	78780
880-42494-9	CS-9 (1.5")	Total/NA	Solid	8015B NM	78780
880-42494-10	CS-10 (1.5")	Total/NA	Solid	8015B NM	78780
880-42494-11	CS-11 (1.5")	Total/NA	Solid	8015B NM	78780
880-42494-12	CS-12 (1.5")	Total/NA	Solid	8015B NM	78780
880-42494-13	CS-13 (4.0")	Total/NA	Solid	8015B NM	78780
880-42494-14	CS-14 (4.0")	Total/NA	Solid	8015B NM	78780
880-42494-15	CS-15 (4.0")	Total/NA	Solid	8015B NM	78780
880-42494-16	CS-16 (4.0")	Total/NA	Solid	8015B NM	78780
880-42494-17	CS-17 (4.0")	Total/NA	Solid	8015B NM	78780
880-42494-18	CS-18 (4.0")	Total/NA	Solid	8015B NM	78780
880-42494-19	CS-19 (4.0")	Total/NA	Solid	8015B NM	78780
880-42494-20	CS-20 (4.0")	Total/NA	Solid	8015B NM	78780
880-42494-21	CS-21 (4.0")	Total/NA	Solid	8015B NM	78781
880-42494-22	CS-22 (4.0")	Total/NA	Solid	8015B NM	78781
880-42494-23	CS-23 (4.0")	Total/NA	Solid	8015B NM	78781
880-42494-24	CS-24 (4.0")	Total/NA	Solid	8015B NM	78781

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 78826 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42494-25	CS-25 (4.0")	Total/NA	Solid	8015B NM	78781
880-42494-26	CS-26 (4.0")	Total/NA	Solid	8015B NM	78781
880-42494-27	CS-27 (0.5")	Total/NA	Solid	8015B NM	78781
880-42494-28	CS-28 (0.5")	Total/NA	Solid	8015B NM	78781
880-42494-29	CS-29 (0.5")	Total/NA	Solid	8015B NM	78781
880-42494-30	CS-30 (0.5")	Total/NA	Solid	8015B NM	78781
880-42494-31	CS-31 (0.5")	Total/NA	Solid	8015B NM	78781
880-42494-32	CS-32 (0.5")	Total/NA	Solid	8015B NM	78781
880-42494-33	CS-33 (0.5")	Total/NA	Solid	8015B NM	78781
880-42494-34	CS-34 (0.5")	Total/NA	Solid	8015B NM	78781
880-42494-35	CS-35 (0.5")	Total/NA	Solid	8015B NM	78781
880-42494-36	CS-36 (0.5")	Total/NA	Solid	8015B NM	78781
880-42494-37	CS-37 (0.5")	Total/NA	Solid	8015B NM	78781
880-42494-38	CS-38 (0.5")	Total/NA	Solid	8015B NM	78781
880-42494-39	CS-39 (0.5")	Total/NA	Solid	8015B NM	78781
880-42494-40	CS-40 (0.5")	Total/NA	Solid	8015B NM	78781
MB 880-78780/1-A	Method Blank	Total/NA	Solid	8015B NM	78780
MB 880-78781/1-A	Method Blank	Total/NA	Solid	8015B NM	78781
LCS 880-78780/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	78780
LCS 880-78781/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	78781
LCSD 880-78780/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	78780
LCSD 880-78781/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	78781
880-42494-1 MS	CS-1 (1.5")	Total/NA	Solid	8015B NM	78780
880-42494-1 MSD	CS-1 (1.5")	Total/NA	Solid	8015B NM	78780
880-42494-21 MS	CS-21 (4.0")	Total/NA	Solid	8015B NM	78781
880-42494-21 MSD	CS-21 (4.0")	Total/NA	Solid	8015B NM	78781

Analysis Batch: 78828

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42494-41	CS-41 (0.5")	Total/NA	Solid	8015B NM	78782
880-42494-42	CS-42 (0.5")	Total/NA	Solid	8015B NM	78782
880-42494-43	CS-43 (0.5")	Total/NA	Solid	8015B NM	78782
880-42494-44	CS-44 (0.5")	Total/NA	Solid	8015B NM	78782
880-42494-45	CS-45 (0.5")	Total/NA	Solid	8015B NM	78782
880-42494-46	CS-46 (0.5")	Total/NA	Solid	8015B NM	78782
880-42494-47	CS-47 (0.5")	Total/NA	Solid	8015B NM	78782
880-42494-48	CS-48 (0.5")	Total/NA	Solid	8015B NM	78782
880-42494-49	CS-49 (0.5")	Total/NA	Solid	8015B NM	78782
880-42494-50	CS-50 (0.5")	Total/NA	Solid	8015B NM	78782
880-42494-51	CS-51 (0.5")	Total/NA	Solid	8015B NM	78782
880-42494-52	CS-52 (0.5")	Total/NA	Solid	8015B NM	78782
880-42494-53	CS-53 (0.5")	Total/NA	Solid	8015B NM	78782
880-42494-54	CS-54 (0.5")	Total/NA	Solid	8015B NM	78782
880-42494-55	CS-55 (0.5")	Total/NA	Solid	8015B NM	78782
880-42494-56	CS-56 (0.5")	Total/NA	Solid	8015B NM	78782
880-42494-57	CS-57 (0.5")	Total/NA	Solid	8015B NM	78782
880-42494-58	CS-58 (0.5")	Total/NA	Solid	8015B NM	78782
880-42494-59	CS-59 (0.5")	Total/NA	Solid	8015B NM	78782
880-42494-60	CS-60 (0.5")	Total/NA	Solid	8015B NM	78782
880-42494-61	CS-61 (0.5")	Total/NA	Solid	8015B NM	78800
880-42494-62	CS-62 (0.5")	Total/NA	Solid	8015B NM	78800

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 78828 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42494-63	CS-63 (0.5")	Total/NA	Solid	8015B NM	78800
880-42494-64	CS-64 (0.5")	Total/NA	Solid	8015B NM	78800
880-42494-65	CS-65 (0.5")	Total/NA	Solid	8015B NM	78800
880-42494-66	CS-66 (0.5")	Total/NA	Solid	8015B NM	78800
880-42494-67	CS-67 (0.5")	Total/NA	Solid	8015B NM	78800
880-42494-68	CS-68 (0.5")	Total/NA	Solid	8015B NM	78800
880-42494-69	CS-69 (0.5")	Total/NA	Solid	8015B NM	78800
880-42494-70	CS-70 (0.5")	Total/NA	Solid	8015B NM	78800
880-42494-71	CS-71 (0.5")	Total/NA	Solid	8015B NM	78800
880-42494-72	CS-72 (0.5")	Total/NA	Solid	8015B NM	78800
880-42494-73	CS-73 (0.5")	Total/NA	Solid	8015B NM	78800
880-42494-74	CS-74 (0.5")	Total/NA	Solid	8015B NM	78800
880-42494-75	CS-75 (0.5")	Total/NA	Solid	8015B NM	78800
880-42494-76	CS-76 (0.5")	Total/NA	Solid	8015B NM	78800
880-42494-77	CS-77 (0.5")	Total/NA	Solid	8015B NM	78800
880-42494-78	CS-78 (0.5")	Total/NA	Solid	8015B NM	78800
880-42494-79	CS-79 (0.5")	Total/NA	Solid	8015B NM	78800
880-42494-80	CS-80 (0.5")	Total/NA	Solid	8015B NM	78800
MB 880-78782/1-A	Method Blank	Total/NA	Solid	8015B NM	78782
MB 880-78800/1-A	Method Blank	Total/NA	Solid	8015B NM	78800
LCS 880-78782/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	78782
LCS 880-78800/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	78800
LCSD 880-78782/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	78782
LCSD 880-78800/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	78800
880-42494-41 MS	CS-41 (0.5")	Total/NA	Solid	8015B NM	78782
880-42494-41 MSD	CS-41 (0.5")	Total/NA	Solid	8015B NM	78782
880-42494-61 MS	CS-61 (0.5")	Total/NA	Solid	8015B NM	78800
880-42494-61 MSD	CS-61 (0.5")	Total/NA	Solid	8015B NM	78800

Analysis Batch: 78869

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42494-101	SW-4 (2.5")	Total/NA	Solid	8015B NM	78774
880-42494-102	SW-5 (4.0")	Total/NA	Solid	8015B NM	78774
880-42494-103	SW-6 (4.0")	Total/NA	Solid	8015B NM	78774
880-42494-104	SW-7 (2.5")	Total/NA	Solid	8015B NM	78774
MB 880-78774/1-A	Method Blank	Total/NA	Solid	8015B NM	78774
LCS 880-78774/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	78774
LCSD 880-78774/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	78774
880-42448-A-10-N MS	Matrix Spike	Total/NA	Solid	8015B NM	78774
880-42448-A-10-O MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	78774

Analysis Batch: 78926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42494-1	CS-1 (1.5")	Total/NA	Solid	8015 NM	
880-42494-2	CS-2 (1.5")	Total/NA	Solid	8015 NM	
880-42494-3	CS-3 (1.5")	Total/NA	Solid	8015 NM	
880-42494-4	CS-4 (1.5")	Total/NA	Solid	8015 NM	
880-42494-5	CS-5 (1.5")	Total/NA	Solid	8015 NM	
880-42494-6	CS-6 (1.5")	Total/NA	Solid	8015 NM	
880-42494-7	CS-7 (1.5")	Total/NA	Solid	8015 NM	
880-42494-8	CS-8 (1.5")	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 78926 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42494-9	CS-9 (1.5")	Total/NA	Solid	8015 NM	
880-42494-10	CS-10 (1.5")	Total/NA	Solid	8015 NM	
880-42494-11	CS-11 (1.5")	Total/NA	Solid	8015 NM	
880-42494-12	CS-12 (1.5")	Total/NA	Solid	8015 NM	
880-42494-13	CS-13 (4.0")	Total/NA	Solid	8015 NM	
880-42494-14	CS-14 (4.0")	Total/NA	Solid	8015 NM	
880-42494-15	CS-15 (4.0")	Total/NA	Solid	8015 NM	
880-42494-16	CS-16 (4.0")	Total/NA	Solid	8015 NM	
880-42494-17	CS-17 (4.0")	Total/NA	Solid	8015 NM	
880-42494-18	CS-18 (4.0")	Total/NA	Solid	8015 NM	
880-42494-19	CS-19 (4.0")	Total/NA	Solid	8015 NM	
880-42494-20	CS-20 (4.0")	Total/NA	Solid	8015 NM	
880-42494-21	CS-21 (4.0")	Total/NA	Solid	8015 NM	
880-42494-22	CS-22 (4.0")	Total/NA	Solid	8015 NM	
880-42494-23	CS-23 (4.0")	Total/NA	Solid	8015 NM	
880-42494-24	CS-24 (4.0")	Total/NA	Solid	8015 NM	
880-42494-25	CS-25 (4.0")	Total/NA	Solid	8015 NM	
880-42494-26	CS-26 (4.0")	Total/NA	Solid	8015 NM	
880-42494-27	CS-27 (0.5")	Total/NA	Solid	8015 NM	
880-42494-28	CS-28 (0.5")	Total/NA	Solid	8015 NM	
880-42494-29	CS-29 (0.5")	Total/NA	Solid	8015 NM	
880-42494-30	CS-30 (0.5")	Total/NA	Solid	8015 NM	
880-42494-31	CS-31 (0.5")	Total/NA	Solid	8015 NM	
880-42494-32	CS-32 (0.5")	Total/NA	Solid	8015 NM	
880-42494-33	CS-33 (0.5")	Total/NA	Solid	8015 NM	
880-42494-34	CS-34 (0.5")	Total/NA	Solid	8015 NM	
880-42494-35	CS-35 (0.5")	Total/NA	Solid	8015 NM	
880-42494-36	CS-36 (0.5")	Total/NA	Solid	8015 NM	
880-42494-37	CS-37 (0.5")	Total/NA	Solid	8015 NM	
880-42494-38	CS-38 (0.5")	Total/NA	Solid	8015 NM	
880-42494-39	CS-39 (0.5")	Total/NA	Solid	8015 NM	
880-42494-40	CS-40 (0.5")	Total/NA	Solid	8015 NM	
880-42494-41	CS-41 (0.5")	Total/NA	Solid	8015 NM	
880-42494-42	CS-42 (0.5")	Total/NA	Solid	8015 NM	
880-42494-43	CS-43 (0.5")	Total/NA	Solid	8015 NM	
880-42494-44	CS-44 (0.5")	Total/NA	Solid	8015 NM	
880-42494-45	CS-45 (0.5")	Total/NA	Solid	8015 NM	
880-42494-46	CS-46 (0.5")	Total/NA	Solid	8015 NM	
880-42494-47	CS-47 (0.5")	Total/NA	Solid	8015 NM	
880-42494-48	CS-48 (0.5")	Total/NA	Solid	8015 NM	
880-42494-49	CS-49 (0.5")	Total/NA	Solid	8015 NM	
880-42494-50	CS-50 (0.5")	Total/NA	Solid	8015 NM	
880-42494-51	CS-51 (0.5")	Total/NA	Solid	8015 NM	
880-42494-52	CS-52 (0.5")	Total/NA	Solid	8015 NM	
880-42494-53	CS-53 (0.5")	Total/NA	Solid	8015 NM	
880-42494-54	CS-54 (0.5")	Total/NA	Solid	8015 NM	
880-42494-55	CS-55 (0.5")	Total/NA	Solid	8015 NM	
880-42494-56	CS-56 (0.5")	Total/NA	Solid	8015 NM	
880-42494-57	CS-57 (0.5")	Total/NA	Solid	8015 NM	
880-42494-58	CS-58 (0.5")	Total/NA	Solid	8015 NM	
880-42494-59	CS-59 (0.5")	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 78926 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42494-60	CS-60 (0.5")	Total/NA	Solid	8015 NM	
880-42494-61	CS-61 (0.5")	Total/NA	Solid	8015 NM	
880-42494-62	CS-62 (0.5")	Total/NA	Solid	8015 NM	
880-42494-63	CS-63 (0.5")	Total/NA	Solid	8015 NM	
880-42494-64	CS-64 (0.5")	Total/NA	Solid	8015 NM	
880-42494-65	CS-65 (0.5")	Total/NA	Solid	8015 NM	
880-42494-66	CS-66 (0.5")	Total/NA	Solid	8015 NM	
880-42494-67	CS-67 (0.5")	Total/NA	Solid	8015 NM	
880-42494-68	CS-68 (0.5")	Total/NA	Solid	8015 NM	
880-42494-69	CS-69 (0.5")	Total/NA	Solid	8015 NM	
880-42494-70	CS-70 (0.5")	Total/NA	Solid	8015 NM	
880-42494-71	CS-71 (0.5")	Total/NA	Solid	8015 NM	
880-42494-72	CS-72 (0.5")	Total/NA	Solid	8015 NM	
880-42494-73	CS-73 (0.5")	Total/NA	Solid	8015 NM	
880-42494-74	CS-74 (0.5")	Total/NA	Solid	8015 NM	
880-42494-75	CS-75 (0.5")	Total/NA	Solid	8015 NM	
880-42494-76	CS-76 (0.5")	Total/NA	Solid	8015 NM	
880-42494-77	CS-77 (0.5")	Total/NA	Solid	8015 NM	
880-42494-78	CS-78 (0.5")	Total/NA	Solid	8015 NM	
880-42494-79	CS-79 (0.5")	Total/NA	Solid	8015 NM	
880-42494-80	CS-80 (0.5")	Total/NA	Solid	8015 NM	
880-42494-81	CS-81 (0.5")	Total/NA	Solid	8015 NM	
880-42494-82	CS-82 (0.5")	Total/NA	Solid	8015 NM	
880-42494-83	CS-83 (0.5")	Total/NA	Solid	8015 NM	
880-42494-84	CS-84 (0.5")	Total/NA	Solid	8015 NM	
880-42494-85	CS-85 (0.5")	Total/NA	Solid	8015 NM	
880-42494-86	CS-86 (0.5")	Total/NA	Solid	8015 NM	
880-42494-87	CS-87 (0.5")	Total/NA	Solid	8015 NM	
880-42494-88	CS-88 (0.5")	Total/NA	Solid	8015 NM	
880-42494-89	CS-89 (0.5")	Total/NA	Solid	8015 NM	
880-42494-90	CS-90 (0.5")	Total/NA	Solid	8015 NM	
880-42494-91	CS-91 (0.5")	Total/NA	Solid	8015 NM	
880-42494-92	CS-92 (0.5")	Total/NA	Solid	8015 NM	
880-42494-93	CS-93 (0.5")	Total/NA	Solid	8015 NM	
880-42494-94	CS-94 (0.5")	Total/NA	Solid	8015 NM	
880-42494-95	CS-95 (0.5")	Total/NA	Solid	8015 NM	
880-42494-96	CS-96 (0.5")	Total/NA	Solid	8015 NM	
880-42494-97	CS-97 (0.5")	Total/NA	Solid	8015 NM	
880-42494-98	SW-1 (1.5")	Total/NA	Solid	8015 NM	
880-42494-99	SW-2 (1.5")	Total/NA	Solid	8015 NM	
880-42494-100	SW-3 (1.5")	Total/NA	Solid	8015 NM	
880-42494-101	SW-4 (2.5")	Total/NA	Solid	8015 NM	
880-42494-102	SW-5 (4.0")	Total/NA	Solid	8015 NM	
880-42494-103	SW-6 (4.0")	Total/NA	Solid	8015 NM	
880-42494-104	SW-7 (2.5")	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 78783

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42494-1	CS-1 (1.5")	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

HPLC/IC (Continued)

Leach Batch: 78783 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42494-2	CS-2 (1.5")	Soluble	Solid	DI Leach	
880-42494-3	CS-3 (1.5")	Soluble	Solid	DI Leach	
880-42494-4	CS-4 (1.5")	Soluble	Solid	DI Leach	
880-42494-5	CS-5 (1.5")	Soluble	Solid	DI Leach	
880-42494-6	CS-6 (1.5")	Soluble	Solid	DI Leach	
880-42494-7	CS-7 (1.5")	Soluble	Solid	DI Leach	
880-42494-8	CS-8 (1.5")	Soluble	Solid	DI Leach	
880-42494-9	CS-9 (1.5")	Soluble	Solid	DI Leach	
880-42494-10	CS-10 (1.5")	Soluble	Solid	DI Leach	
880-42494-11	CS-11 (1.5")	Soluble	Solid	DI Leach	
880-42494-12	CS-12 (1.5")	Soluble	Solid	DI Leach	
880-42494-13	CS-13 (4.0")	Soluble	Solid	DI Leach	
880-42494-14	CS-14 (4.0")	Soluble	Solid	DI Leach	
880-42494-15	CS-15 (4.0")	Soluble	Solid	DI Leach	
880-42494-16	CS-16 (4.0")	Soluble	Solid	DI Leach	
880-42494-17	CS-17 (4.0")	Soluble	Solid	DI Leach	
880-42494-18	CS-18 (4.0")	Soluble	Solid	DI Leach	
880-42494-19	CS-19 (4.0")	Soluble	Solid	DI Leach	
880-42494-20	CS-20 (4.0")	Soluble	Solid	DI Leach	
MB 880-78783/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-78783/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCS 880-78783/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-42494-1 MS	CS-1 (1.5")	Soluble	Solid	DI Leach	
880-42494-1 MSD	CS-1 (1.5")	Soluble	Solid	DI Leach	
880-42494-11 MS	CS-11 (1.5")	Soluble	Solid	DI Leach	
880-42494-11 MSD	CS-11 (1.5")	Soluble	Solid	DI Leach	

Leach Batch: 78784

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42494-21	CS-21 (4.0")	Soluble	Solid	DI Leach	
880-42494-22	CS-22 (4.0")	Soluble	Solid	DI Leach	
880-42494-23	CS-23 (4.0")	Soluble	Solid	DI Leach	
880-42494-24	CS-24 (4.0")	Soluble	Solid	DI Leach	
880-42494-25	CS-25 (4.0")	Soluble	Solid	DI Leach	
880-42494-26	CS-26 (4.0")	Soluble	Solid	DI Leach	
880-42494-27	CS-27 (0.5")	Soluble	Solid	DI Leach	
880-42494-28	CS-28 (0.5")	Soluble	Solid	DI Leach	
880-42494-29	CS-29 (0.5")	Soluble	Solid	DI Leach	
880-42494-30	CS-30 (0.5")	Soluble	Solid	DI Leach	
880-42494-31	CS-31 (0.5")	Soluble	Solid	DI Leach	
880-42494-32	CS-32 (0.5")	Soluble	Solid	DI Leach	
880-42494-33	CS-33 (0.5")	Soluble	Solid	DI Leach	
880-42494-34	CS-34 (0.5")	Soluble	Solid	DI Leach	
880-42494-35	CS-35 (0.5")	Soluble	Solid	DI Leach	
880-42494-36	CS-36 (0.5")	Soluble	Solid	DI Leach	
880-42494-37	CS-37 (0.5")	Soluble	Solid	DI Leach	
880-42494-38	CS-38 (0.5")	Soluble	Solid	DI Leach	
880-42494-39	CS-39 (0.5")	Soluble	Solid	DI Leach	
880-42494-40	CS-40 (0.5")	Soluble	Solid	DI Leach	
MB 880-78784/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-78784/2-A	Lab Control Sample	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

HPLC/IC (Continued)

Leach Batch: 78784 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-78784/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-42494-21 MS	CS-21 (4.0")	Soluble	Solid	DI Leach	
880-42494-21 MSD	CS-21 (4.0")	Soluble	Solid	DI Leach	
880-42494-31 MS	CS-31 (0.5")	Soluble	Solid	DI Leach	
880-42494-31 MSD	CS-31 (0.5")	Soluble	Solid	DI Leach	

Leach Batch: 78785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42494-41	CS-41 (0.5")	Soluble	Solid	DI Leach	
880-42494-42	CS-42 (0.5")	Soluble	Solid	DI Leach	
880-42494-43	CS-43 (0.5")	Soluble	Solid	DI Leach	
880-42494-44	CS-44 (0.5")	Soluble	Solid	DI Leach	
880-42494-45	CS-45 (0.5")	Soluble	Solid	DI Leach	
880-42494-46	CS-46 (0.5")	Soluble	Solid	DI Leach	
880-42494-47	CS-47 (0.5")	Soluble	Solid	DI Leach	
880-42494-48	CS-48 (0.5")	Soluble	Solid	DI Leach	
880-42494-49	CS-49 (0.5")	Soluble	Solid	DI Leach	
880-42494-50	CS-50 (0.5")	Soluble	Solid	DI Leach	
880-42494-51	CS-51 (0.5")	Soluble	Solid	DI Leach	
880-42494-52	CS-52 (0.5")	Soluble	Solid	DI Leach	
880-42494-53	CS-53 (0.5")	Soluble	Solid	DI Leach	
880-42494-54	CS-54 (0.5")	Soluble	Solid	DI Leach	
880-42494-55	CS-55 (0.5")	Soluble	Solid	DI Leach	
880-42494-56	CS-56 (0.5")	Soluble	Solid	DI Leach	
880-42494-57	CS-57 (0.5")	Soluble	Solid	DI Leach	
880-42494-58	CS-58 (0.5")	Soluble	Solid	DI Leach	
880-42494-59	CS-59 (0.5")	Soluble	Solid	DI Leach	
880-42494-60	CS-60 (0.5")	Soluble	Solid	DI Leach	
MB 880-78785/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-78785/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-78785/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-42494-41 MS	CS-41 (0.5")	Soluble	Solid	DI Leach	
880-42494-41 MSD	CS-41 (0.5")	Soluble	Solid	DI Leach	
880-42494-51 MS	CS-51 (0.5")	Soluble	Solid	DI Leach	
880-42494-51 MSD	CS-51 (0.5")	Soluble	Solid	DI Leach	

Leach Batch: 78787

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42494-61	CS-61 (0.5")	Soluble	Solid	DI Leach	
880-42494-62	CS-62 (0.5")	Soluble	Solid	DI Leach	
880-42494-63	CS-63 (0.5")	Soluble	Solid	DI Leach	
880-42494-64	CS-64 (0.5")	Soluble	Solid	DI Leach	
880-42494-65	CS-65 (0.5")	Soluble	Solid	DI Leach	
880-42494-67	CS-67 (0.5")	Soluble	Solid	DI Leach	
880-42494-68	CS-68 (0.5")	Soluble	Solid	DI Leach	
880-42494-69	CS-69 (0.5")	Soluble	Solid	DI Leach	
880-42494-70	CS-70 (0.5")	Soluble	Solid	DI Leach	
880-42494-71	CS-71 (0.5")	Soluble	Solid	DI Leach	
880-42494-72	CS-72 (0.5")	Soluble	Solid	DI Leach	
880-42494-73	CS-73 (0.5")	Soluble	Solid	DI Leach	
880-42494-74	CS-74 (0.5")	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

HPLC/IC (Continued)

Leach Batch: 78787 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42494-75	CS-75 (0.5")	Soluble	Solid	DI Leach	
880-42494-77	CS-77 (0.5")	Soluble	Solid	DI Leach	
880-42494-78	CS-78 (0.5")	Soluble	Solid	DI Leach	
880-42494-79	CS-79 (0.5")	Soluble	Solid	DI Leach	
880-42494-80	CS-80 (0.5")	Soluble	Solid	DI Leach	
MB 880-78787/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-78787/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-78787/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-42494-61 MS	CS-61 (0.5")	Soluble	Solid	DI Leach	
880-42494-61 MSD	CS-61 (0.5")	Soluble	Solid	DI Leach	
880-42494-71 MS	CS-71 (0.5")	Soluble	Solid	DI Leach	
880-42494-71 MSD	CS-71 (0.5")	Soluble	Solid	DI Leach	

Leach Batch: 78788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42494-81	CS-81 (0.5")	Soluble	Solid	DI Leach	
880-42494-82	CS-82 (0.5")	Soluble	Solid	DI Leach	
880-42494-83	CS-83 (0.5")	Soluble	Solid	DI Leach	
880-42494-84	CS-84 (0.5")	Soluble	Solid	DI Leach	
880-42494-85	CS-85 (0.5")	Soluble	Solid	DI Leach	
880-42494-86	CS-86 (0.5")	Soluble	Solid	DI Leach	
880-42494-87	CS-87 (0.5")	Soluble	Solid	DI Leach	
880-42494-88	CS-88 (0.5")	Soluble	Solid	DI Leach	
880-42494-89	CS-89 (0.5")	Soluble	Solid	DI Leach	
880-42494-90	CS-90 (0.5")	Soluble	Solid	DI Leach	
880-42494-91	CS-91 (0.5")	Soluble	Solid	DI Leach	
880-42494-92	CS-92 (0.5")	Soluble	Solid	DI Leach	
880-42494-93	CS-93 (0.5")	Soluble	Solid	DI Leach	
880-42494-94	CS-94 (0.5")	Soluble	Solid	DI Leach	
880-42494-95	CS-95 (0.5")	Soluble	Solid	DI Leach	
880-42494-96	CS-96 (0.5")	Soluble	Solid	DI Leach	
880-42494-97	CS-97 (0.5")	Soluble	Solid	DI Leach	
880-42494-98	SW-1 (1.5")	Soluble	Solid	DI Leach	
880-42494-99	SW-2 (1.5")	Soluble	Solid	DI Leach	
880-42494-100	SW-3 (1.5")	Soluble	Solid	DI Leach	
MB 880-78788/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-78788/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-78788/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-42494-81 MS	CS-81 (0.5")	Soluble	Solid	DI Leach	
880-42494-81 MSD	CS-81 (0.5")	Soluble	Solid	DI Leach	
880-42494-91 MS	CS-91 (0.5")	Soluble	Solid	DI Leach	
880-42494-91 MSD	CS-91 (0.5")	Soluble	Solid	DI Leach	

Leach Batch: 78835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42494-66	CS-66 (0.5")	Soluble	Solid	DI Leach	
880-42494-76	CS-76 (0.5")	Soluble	Solid	DI Leach	
880-42494-101	SW-4 (2.5")	Soluble	Solid	DI Leach	
880-42494-102	SW-5 (4.0")	Soluble	Solid	DI Leach	
880-42494-103	SW-6 (4.0")	Soluble	Solid	DI Leach	
880-42494-104	SW-7 (2.5")	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

HPLC/IC (Continued)

Leach Batch: 78835 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-78835/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-78835/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-78835/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-42494-101 MS	SW-4 (2.5")	Soluble	Solid	DI Leach	
880-42494-101 MSD	SW-4 (2.5")	Soluble	Solid	DI Leach	

Analysis Batch: 78889

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42494-1	CS-1 (1.5")	Soluble	Solid	300.0	78783
880-42494-2	CS-2 (1.5")	Soluble	Solid	300.0	78783
880-42494-3	CS-3 (1.5")	Soluble	Solid	300.0	78783
880-42494-4	CS-4 (1.5")	Soluble	Solid	300.0	78783
880-42494-5	CS-5 (1.5")	Soluble	Solid	300.0	78783
880-42494-6	CS-6 (1.5")	Soluble	Solid	300.0	78783
880-42494-7	CS-7 (1.5")	Soluble	Solid	300.0	78783
880-42494-8	CS-8 (1.5")	Soluble	Solid	300.0	78783
880-42494-9	CS-9 (1.5")	Soluble	Solid	300.0	78783
880-42494-10	CS-10 (1.5")	Soluble	Solid	300.0	78783
880-42494-11	CS-11 (1.5")	Soluble	Solid	300.0	78783
880-42494-12	CS-12 (1.5")	Soluble	Solid	300.0	78783
880-42494-13	CS-13 (4.0")	Soluble	Solid	300.0	78783
880-42494-14	CS-14 (4.0")	Soluble	Solid	300.0	78783
880-42494-15	CS-15 (4.0")	Soluble	Solid	300.0	78783
880-42494-16	CS-16 (4.0")	Soluble	Solid	300.0	78783
880-42494-17	CS-17 (4.0")	Soluble	Solid	300.0	78783
880-42494-18	CS-18 (4.0")	Soluble	Solid	300.0	78783
880-42494-19	CS-19 (4.0")	Soluble	Solid	300.0	78783
880-42494-20	CS-20 (4.0")	Soluble	Solid	300.0	78783
MB 880-78783/1-A	Method Blank	Soluble	Solid	300.0	78783
LCS 880-78783/2-A	Lab Control Sample	Soluble	Solid	300.0	78783
LCSD 880-78783/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	78783
880-42494-1 MS	CS-1 (1.5")	Soluble	Solid	300.0	78783
880-42494-1 MSD	CS-1 (1.5")	Soluble	Solid	300.0	78783
880-42494-11 MS	CS-11 (1.5")	Soluble	Solid	300.0	78783
880-42494-11 MSD	CS-11 (1.5")	Soluble	Solid	300.0	78783

Analysis Batch: 78892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42494-41	CS-41 (0.5")	Soluble	Solid	300.0	78785
880-42494-42	CS-42 (0.5")	Soluble	Solid	300.0	78785
880-42494-43	CS-43 (0.5")	Soluble	Solid	300.0	78785
880-42494-44	CS-44 (0.5")	Soluble	Solid	300.0	78785
880-42494-45	CS-45 (0.5")	Soluble	Solid	300.0	78785
880-42494-46	CS-46 (0.5")	Soluble	Solid	300.0	78785
880-42494-47	CS-47 (0.5")	Soluble	Solid	300.0	78785
880-42494-48	CS-48 (0.5")	Soluble	Solid	300.0	78785
880-42494-49	CS-49 (0.5")	Soluble	Solid	300.0	78785
880-42494-50	CS-50 (0.5")	Soluble	Solid	300.0	78785
880-42494-51	CS-51 (0.5")	Soluble	Solid	300.0	78785
880-42494-52	CS-52 (0.5")	Soluble	Solid	300.0	78785
880-42494-53	CS-53 (0.5")	Soluble	Solid	300.0	78785

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

HPLC/IC (Continued)

Analysis Batch: 78892 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42494-54	CS-54 (0.5")	Soluble	Solid	300.0	78785
880-42494-55	CS-55 (0.5")	Soluble	Solid	300.0	78785
880-42494-56	CS-56 (0.5")	Soluble	Solid	300.0	78785
880-42494-57	CS-57 (0.5")	Soluble	Solid	300.0	78785
880-42494-58	CS-58 (0.5")	Soluble	Solid	300.0	78785
880-42494-59	CS-59 (0.5")	Soluble	Solid	300.0	78785
880-42494-60	CS-60 (0.5")	Soluble	Solid	300.0	78785
MB 880-78785/1-A	Method Blank	Soluble	Solid	300.0	78785
LCS 880-78785/2-A	Lab Control Sample	Soluble	Solid	300.0	78785
LCSD 880-78785/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	78785
880-42494-41 MS	CS-41 (0.5")	Soluble	Solid	300.0	78785
880-42494-41 MSD	CS-41 (0.5")	Soluble	Solid	300.0	78785
880-42494-51 MS	CS-51 (0.5")	Soluble	Solid	300.0	78785
880-42494-51 MSD	CS-51 (0.5")	Soluble	Solid	300.0	78785

Analysis Batch: 78893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42494-81	CS-81 (0.5")	Soluble	Solid	300.0	78788
880-42494-82	CS-82 (0.5")	Soluble	Solid	300.0	78788
880-42494-83	CS-83 (0.5")	Soluble	Solid	300.0	78788
880-42494-84	CS-84 (0.5")	Soluble	Solid	300.0	78788
880-42494-85	CS-85 (0.5")	Soluble	Solid	300.0	78788
880-42494-86	CS-86 (0.5")	Soluble	Solid	300.0	78788
880-42494-87	CS-87 (0.5")	Soluble	Solid	300.0	78788
880-42494-88	CS-88 (0.5")	Soluble	Solid	300.0	78788
880-42494-89	CS-89 (0.5")	Soluble	Solid	300.0	78788
880-42494-90	CS-90 (0.5")	Soluble	Solid	300.0	78788
880-42494-91	CS-91 (0.5")	Soluble	Solid	300.0	78788
880-42494-92	CS-92 (0.5")	Soluble	Solid	300.0	78788
880-42494-93	CS-93 (0.5")	Soluble	Solid	300.0	78788
880-42494-94	CS-94 (0.5")	Soluble	Solid	300.0	78788
880-42494-95	CS-95 (0.5")	Soluble	Solid	300.0	78788
880-42494-96	CS-96 (0.5")	Soluble	Solid	300.0	78788
880-42494-97	CS-97 (0.5")	Soluble	Solid	300.0	78788
880-42494-98	SW-1 (1.5")	Soluble	Solid	300.0	78788
880-42494-99	SW-2 (1.5")	Soluble	Solid	300.0	78788
880-42494-100	SW-3 (1.5")	Soluble	Solid	300.0	78788
MB 880-78788/1-A	Method Blank	Soluble	Solid	300.0	78788
LCS 880-78788/2-A	Lab Control Sample	Soluble	Solid	300.0	78788
LCSD 880-78788/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	78788
880-42494-81 MS	CS-81 (0.5")	Soluble	Solid	300.0	78788
880-42494-81 MSD	CS-81 (0.5")	Soluble	Solid	300.0	78788
880-42494-91 MS	CS-91 (0.5")	Soluble	Solid	300.0	78788
880-42494-91 MSD	CS-91 (0.5")	Soluble	Solid	300.0	78788

Analysis Batch: 78895

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42494-61	CS-61 (0.5")	Soluble	Solid	300.0	78787
880-42494-62	CS-62 (0.5")	Soluble	Solid	300.0	78787
880-42494-63	CS-63 (0.5")	Soluble	Solid	300.0	78787
880-42494-64	CS-64 (0.5")	Soluble	Solid	300.0	78787

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

HPLC/IC (Continued)

Analysis Batch: 78895 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42494-65	CS-65 (0.5")	Soluble	Solid	300.0	78787
880-42494-67	CS-67 (0.5")	Soluble	Solid	300.0	78787
880-42494-68	CS-68 (0.5")	Soluble	Solid	300.0	78787
880-42494-69	CS-69 (0.5")	Soluble	Solid	300.0	78787
880-42494-70	CS-70 (0.5")	Soluble	Solid	300.0	78787
880-42494-71	CS-71 (0.5")	Soluble	Solid	300.0	78787
880-42494-72	CS-72 (0.5")	Soluble	Solid	300.0	78787
880-42494-73	CS-73 (0.5")	Soluble	Solid	300.0	78787
880-42494-74	CS-74 (0.5")	Soluble	Solid	300.0	78787
880-42494-75	CS-75 (0.5")	Soluble	Solid	300.0	78787
880-42494-77	CS-77 (0.5")	Soluble	Solid	300.0	78787
880-42494-78	CS-78 (0.5")	Soluble	Solid	300.0	78787
880-42494-79	CS-79 (0.5")	Soluble	Solid	300.0	78787
880-42494-80	CS-80 (0.5")	Soluble	Solid	300.0	78787
MB 880-78787/1-A	Method Blank	Soluble	Solid	300.0	78787
LCS 880-78787/2-A	Lab Control Sample	Soluble	Solid	300.0	78787
LCSD 880-78787/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	78787
880-42494-61 MS	CS-61 (0.5")	Soluble	Solid	300.0	78787
880-42494-61 MSD	CS-61 (0.5")	Soluble	Solid	300.0	78787
880-42494-71 MS	CS-71 (0.5")	Soluble	Solid	300.0	78787
880-42494-71 MSD	CS-71 (0.5")	Soluble	Solid	300.0	78787

Analysis Batch: 78896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42494-21	CS-21 (4.0")	Soluble	Solid	300.0	78784
880-42494-22	CS-22 (4.0")	Soluble	Solid	300.0	78784
880-42494-23	CS-23 (4.0")	Soluble	Solid	300.0	78784
880-42494-24	CS-24 (4.0")	Soluble	Solid	300.0	78784
880-42494-25	CS-25 (4.0")	Soluble	Solid	300.0	78784
880-42494-26	CS-26 (4.0")	Soluble	Solid	300.0	78784
880-42494-27	CS-27 (0.5")	Soluble	Solid	300.0	78784
880-42494-28	CS-28 (0.5")	Soluble	Solid	300.0	78784
880-42494-29	CS-29 (0.5")	Soluble	Solid	300.0	78784
880-42494-30	CS-30 (0.5")	Soluble	Solid	300.0	78784
880-42494-31	CS-31 (0.5")	Soluble	Solid	300.0	78784
880-42494-32	CS-32 (0.5")	Soluble	Solid	300.0	78784
880-42494-33	CS-33 (0.5")	Soluble	Solid	300.0	78784
880-42494-34	CS-34 (0.5")	Soluble	Solid	300.0	78784
880-42494-35	CS-35 (0.5")	Soluble	Solid	300.0	78784
880-42494-36	CS-36 (0.5")	Soluble	Solid	300.0	78784
880-42494-37	CS-37 (0.5")	Soluble	Solid	300.0	78784
880-42494-38	CS-38 (0.5")	Soluble	Solid	300.0	78784
880-42494-39	CS-39 (0.5")	Soluble	Solid	300.0	78784
880-42494-40	CS-40 (0.5")	Soluble	Solid	300.0	78784
MB 880-78784/1-A	Method Blank	Soluble	Solid	300.0	78784
LCS 880-78784/2-A	Lab Control Sample	Soluble	Solid	300.0	78784
LCSD 880-78784/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	78784
880-42494-21 MS	CS-21 (4.0")	Soluble	Solid	300.0	78784
880-42494-21 MSD	CS-21 (4.0")	Soluble	Solid	300.0	78784
880-42494-31 MS	CS-31 (0.5")	Soluble	Solid	300.0	78784
880-42494-31 MSD	CS-31 (0.5")	Soluble	Solid	300.0	78784

QC Association Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

HPLC/IC

Analysis Batch: 78897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42494-66	CS-66 (0.5")	Soluble	Solid	300.0	78835
880-42494-76	CS-76 (0.5")	Soluble	Solid	300.0	78835
880-42494-101	SW-4 (2.5")	Soluble	Solid	300.0	78835
880-42494-102	SW-5 (4.0")	Soluble	Solid	300.0	78835
880-42494-103	SW-6 (4.0")	Soluble	Solid	300.0	78835
880-42494-104	SW-7 (2.5")	Soluble	Solid	300.0	78835
MB 880-78835/1-A	Method Blank	Soluble	Solid	300.0	78835
LCS 880-78835/2-A	Lab Control Sample	Soluble	Solid	300.0	78835
LCSD 880-78835/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	78835
880-42494-101 MS	SW-4 (2.5")	Soluble	Solid	300.0	78835
880-42494-101 MSD	SW-4 (2.5")	Soluble	Solid	300.0	78835

Lab Chronicle

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-1 (1.5")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	78860	04/20/24 16:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78858	04/21/24 05:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 05:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 11:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	78780	04/19/24 16:16	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78826	04/20/24 11:21	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	78783	04/19/24 16:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78889	04/21/24 14:35	SMC	EET MID

Client Sample ID: CS-2 (1.5")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	78860	04/20/24 16:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78858	04/21/24 05:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 05:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	78780	04/19/24 16:16	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78826	04/20/24 12:26	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	78783	04/19/24 16:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78889	04/21/24 14:50	SMC	EET MID

Client Sample ID: CS-3 (1.5")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	78860	04/20/24 16:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78858	04/21/24 05:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 05:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 12:48	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	78780	04/19/24 16:16	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78826	04/20/24 12:48	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	78783	04/19/24 16:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78889	04/21/24 14:55	SMC	EET MID

Client Sample ID: CS-4 (1.5")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	78860	04/20/24 16:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78858	04/21/24 06:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 06:17	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-4 (1.5")

Lab Sample ID: 880-42494-4

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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			78926	04/20/24 13:09	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	78780	04/19/24 16:16	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78826	04/20/24 13:09	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	78783	04/19/24 16:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78889	04/21/24 15:00	SMC	EET MID

Client Sample ID: CS-5 (1.5")

Lab Sample ID: 880-42494-5

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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	78860	04/20/24 16:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78858	04/21/24 06:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 06:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 13:30	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	78780	04/19/24 16:16	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78826	04/20/24 13:30	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	78783	04/19/24 16:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78889	04/21/24 15:04	SMC	EET MID

Client Sample ID: CS-6 (1.5")

Lab Sample ID: 880-42494-6

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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	78860	04/20/24 16:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78858	04/21/24 06:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 06:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 13:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	78780	04/19/24 16:16	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78826	04/20/24 13:51	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	78783	04/19/24 16:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78889	04/21/24 15:19	SMC	EET MID

Client Sample ID: CS-7 (1.5")

Lab Sample ID: 880-42494-7

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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	78860	04/20/24 16:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78858	04/21/24 07:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 07:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 14:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	78780	04/19/24 16:16	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78826	04/20/24 14:12	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-7 (1.5")

Lab Sample ID: 880-42494-7

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	78783	04/19/24 16:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78889	04/21/24 15:24	SMC	EET MID

Client Sample ID: CS-8 (1.5")

Lab Sample ID: 880-42494-8

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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	78860	04/20/24 16:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78858	04/21/24 07:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 07:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 14:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	78780	04/19/24 16:16	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78826	04/20/24 14:33	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	78783	04/19/24 16:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78889	04/21/24 15:29	SMC	EET MID

Client Sample ID: CS-9 (1.5")

Lab Sample ID: 880-42494-9

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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	78860	04/20/24 16:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78858	04/21/24 07:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 07:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 14:54	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	78780	04/19/24 16:16	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78826	04/20/24 14:54	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	78783	04/19/24 16:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78889	04/21/24 15:33	SMC	EET MID

Client Sample ID: CS-10 (1.5")

Lab Sample ID: 880-42494-10

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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	78860	04/20/24 16:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78858	04/21/24 08:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 08:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 15:15	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	78780	04/19/24 16:16	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78826	04/20/24 15:15	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	78783	04/19/24 16:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78889	04/21/24 15:38	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-11 (1.5")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-11
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	78891	04/22/24 08:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78885	04/22/24 11:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/22/24 11:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 15:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	78780	04/19/24 16:16	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78826	04/20/24 15:57	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	78783	04/19/24 16:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78889	04/21/24 15:43	SMC	EET MID

Client Sample ID: CS-12 (1.5")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-12
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			4.98 g	5 mL	78891	04/22/24 08:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78885	04/22/24 11:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/22/24 11:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 16:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	78780	04/19/24 16:16	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78826	04/20/24 16:19	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	78783	04/19/24 16:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78889	04/21/24 15:57	SMC	EET MID

Client Sample ID: CS-13 (4.0")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	78891	04/22/24 08:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78885	04/22/24 12:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/22/24 12:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 16:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	78780	04/19/24 16:16	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78826	04/20/24 16:39	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	78783	04/19/24 16:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78889	04/21/24 16:02	SMC	EET MID

Client Sample ID: CS-14 (4.0")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-14
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			5.03 g	5 mL	78891	04/22/24 08:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78885	04/22/24 12:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/22/24 12:40	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-14 (4.0")

Lab Sample ID: 880-42494-14

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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			78926	04/20/24 17:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	78780	04/19/24 16:16	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78826	04/20/24 17:01	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	78783	04/19/24 16:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78889	04/21/24 16:17	SMC	EET MID

Client Sample ID: CS-15 (4.0")

Lab Sample ID: 880-42494-15

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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	78891	04/22/24 08:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78885	04/22/24 13:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/22/24 13:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 17:22	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	78780	04/19/24 16:16	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78826	04/20/24 17:22	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	78783	04/19/24 16:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78889	04/21/24 16:22	SMC	EET MID

Client Sample ID: CS-16 (4.0")

Lab Sample ID: 880-42494-16

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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	78891	04/22/24 08:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78885	04/22/24 13:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/22/24 13:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 17:43	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	78780	04/19/24 16:16	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78826	04/20/24 17:43	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	78783	04/19/24 16:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78889	04/21/24 16:26	SMC	EET MID

Client Sample ID: CS-17 (4.0")

Lab Sample ID: 880-42494-17

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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	78891	04/22/24 08:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78885	04/22/24 13:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/22/24 13:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 18:04	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	78780	04/19/24 16:16	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78826	04/20/24 18:04	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-17 (4.0")

Lab Sample ID: 880-42494-17

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	78783	04/19/24 16:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78889	04/21/24 16:31	SMC	EET MID

Client Sample ID: CS-18 (4.0")

Lab Sample ID: 880-42494-18

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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	78891	04/22/24 08:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78885	04/22/24 14:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/22/24 14:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 18:25	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	78780	04/19/24 16:16	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78826	04/20/24 18:25	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	78783	04/19/24 16:34	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	78889	04/21/24 16:36	SMC	EET MID

Client Sample ID: CS-19 (4.0")

Lab Sample ID: 880-42494-19

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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	78891	04/22/24 08:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78885	04/22/24 14:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/22/24 14:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 18:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	78780	04/19/24 16:16	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78826	04/20/24 18:46	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	78783	04/19/24 16:34	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	78889	04/21/24 16:41	SMC	EET MID

Client Sample ID: CS-20 (4.0")

Lab Sample ID: 880-42494-20

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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	78891	04/22/24 08:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78885	04/22/24 14:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/22/24 14:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 19:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	78780	04/19/24 16:16	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78826	04/20/24 19:07	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	78783	04/19/24 16:34	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	78889	04/21/24 16:46	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-21 (4.0")

Lab Sample ID: 880-42494-21

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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	78861	04/20/24 16:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78874	04/21/24 22:44	EL	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 22:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 20:52	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	78781	04/19/24 16:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78826	04/20/24 20:52	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	78784	04/19/24 16:43	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	78896	04/21/24 15:04	SMC	EET MID

Client Sample ID: CS-22 (4.0")

Lab Sample ID: 880-42494-22

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	78861	04/20/24 16:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78874	04/21/24 23:05	EL	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 23:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 21:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	78781	04/19/24 16:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78826	04/20/24 21:55	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	78784	04/19/24 16:43	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	78896	04/21/24 15:22	SMC	EET MID

Client Sample ID: CS-23 (4.0")

Lab Sample ID: 880-42494-23

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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	78861	04/20/24 16:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78874	04/21/24 23:25	EL	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 23:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 22:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	78781	04/19/24 16:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78826	04/20/24 22:16	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	78784	04/19/24 16:43	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	78896	04/21/24 15:29	SMC	EET MID

Client Sample ID: CS-24 (4.0")

Lab Sample ID: 880-42494-24

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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	78861	04/20/24 16:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78874	04/21/24 23:45	EL	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 23:45	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-24 (4.0")

Lab Sample ID: 880-42494-24

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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			78926	04/20/24 22:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	78781	04/19/24 16:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78826	04/20/24 22:37	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	78784	04/19/24 16:43	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	78896	04/21/24 15:35	SMC	EET MID

Client Sample ID: CS-25 (4.0")

Lab Sample ID: 880-42494-25

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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	78861	04/20/24 16:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78874	04/22/24 00:06	EL	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/22/24 00:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 22:58	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	78781	04/19/24 16:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78826	04/20/24 22:58	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	78784	04/19/24 16:43	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	78896	04/21/24 15:41	SMC	EET MID

Client Sample ID: CS-26 (4.0")

Lab Sample ID: 880-42494-26

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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	78861	04/20/24 16:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78874	04/22/24 00:26	EL	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/22/24 00:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 23:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	78781	04/19/24 16:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78826	04/20/24 23:19	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	78784	04/19/24 16:43	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78896	04/21/24 16:00	SMC	EET MID

Client Sample ID: CS-27 (0.5")

Lab Sample ID: 880-42494-27

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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	78861	04/20/24 16:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78874	04/22/24 00:47	EL	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/22/24 00:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 23:40	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	78781	04/19/24 16:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78826	04/20/24 23:40	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-27 (0.5")

Lab Sample ID: 880-42494-27

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	78784	04/19/24 16:43	SMC	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	78896	04/21/24 16:07	SMC	EET MID

Client Sample ID: CS-28 (0.5")

Lab Sample ID: 880-42494-28

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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	78861	04/20/24 16:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78874	04/22/24 01:07	EL	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/22/24 01:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/21/24 00:01	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	78781	04/19/24 16:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78826	04/21/24 00:01	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	78784	04/19/24 16:43	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	78896	04/21/24 16:13	SMC	EET MID

Client Sample ID: CS-29 (0.5")

Lab Sample ID: 880-42494-29

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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	78861	04/20/24 16:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78874	04/22/24 01:27	EL	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/22/24 01:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/21/24 00:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	78781	04/19/24 16:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78826	04/21/24 00:22	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	78784	04/19/24 16:43	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	78896	04/21/24 16:19	SMC	EET MID

Client Sample ID: CS-30 (0.5")

Lab Sample ID: 880-42494-30

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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	78861	04/20/24 16:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78874	04/22/24 01:48	EL	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/22/24 01:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/21/24 00:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	78781	04/19/24 16:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78826	04/21/24 00:43	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	78784	04/19/24 16:43	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78896	04/21/24 16:26	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-31 (0.5")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-31
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	78861	04/20/24 16:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78874	04/22/24 03:38	EL	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/22/24 03:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/21/24 01:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	78781	04/19/24 16:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78826	04/21/24 01:24	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	78784	04/19/24 16:43	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78896	04/21/24 16:32	SMC	EET MID

Client Sample ID: CS-32 (0.5")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-32
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			4.97 g	5 mL	78861	04/20/24 16:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78874	04/22/24 03:58	EL	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/22/24 03:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/21/24 01:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	78781	04/19/24 16:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78826	04/21/24 01:45	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	78784	04/19/24 16:43	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78896	04/21/24 16:51	SMC	EET MID

Client Sample ID: CS-33 (0.5")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-33
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	78861	04/20/24 16:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78874	04/22/24 04:18	EL	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/22/24 04:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/21/24 02:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	78781	04/19/24 16:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78826	04/21/24 02:05	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	78784	04/19/24 16:43	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78896	04/21/24 16:57	SMC	EET MID

Client Sample ID: CS-34 (0.5")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-34
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	78861	04/20/24 16:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78874	04/22/24 04:39	EL	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/22/24 04:39	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-34 (0.5")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-34
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			78926	04/21/24 02:26	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	78781	04/19/24 16:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78826	04/21/24 02:26	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	78784	04/19/24 16:43	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78896	04/21/24 17:16	SMC	EET MID

Client Sample ID: CS-35 (0.5")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-35
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			5.01 g	5 mL	78861	04/20/24 16:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78874	04/22/24 04:59	EL	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/22/24 04:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/21/24 02:47	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	78781	04/19/24 16:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78826	04/21/24 02:47	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	78784	04/19/24 16:43	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78896	04/21/24 17:22	SMC	EET MID

Client Sample ID: CS-36 (0.5")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-36
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			5.00 g	5 mL	78861	04/20/24 16:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78874	04/22/24 05:19	EL	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/22/24 05:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/21/24 03:08	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	78781	04/19/24 16:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78826	04/21/24 03:08	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	78784	04/19/24 16:43	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78896	04/21/24 17:29	SMC	EET MID

Client Sample ID: CS-37 (0.5")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-37
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			5.05 g	5 mL	78861	04/20/24 16:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78874	04/22/24 05:40	EL	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/22/24 05:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/21/24 03:29	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	78781	04/19/24 16:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78826	04/21/24 03:29	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-37 (0.5")

Lab Sample ID: 880-42494-37

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	78784	04/19/24 16:43	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78896	04/21/24 17:35	SMC	EET MID

Client Sample ID: CS-38 (0.5")

Lab Sample ID: 880-42494-38

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	78861	04/20/24 16:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78874	04/22/24 06:00	EL	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/22/24 06:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/21/24 03:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	78781	04/19/24 16:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78826	04/21/24 03:50	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	78784	04/19/24 16:43	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78896	04/21/24 17:41	SMC	EET MID

Client Sample ID: CS-39 (0.5")

Lab Sample ID: 880-42494-39

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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	78861	04/20/24 16:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78874	04/22/24 06:21	EL	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/22/24 06:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/21/24 04:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	78781	04/19/24 16:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78826	04/21/24 04:10	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	78784	04/19/24 16:43	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78896	04/21/24 17:47	SMC	EET MID

Client Sample ID: CS-40 (0.5")

Lab Sample ID: 880-42494-40

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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	78861	04/20/24 16:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78874	04/22/24 06:41	EL	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/22/24 06:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/21/24 04:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	78781	04/19/24 16:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78826	04/21/24 04:31	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	78784	04/19/24 16:43	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78896	04/21/24 17:54	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-41 (0.5")**Lab Sample ID: 880-42494-41****Date Collected: 04/19/24 00:00****Matrix: Solid****Date Received: 04/19/24 15:34**

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	78862	04/20/24 16:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78859	04/21/24 00:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 00:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 11:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	78782	04/19/24 16:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78828	04/20/24 11:21	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	78785	04/19/24 16:45	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78892	04/21/24 17:25	SMC	EET MID

Client Sample ID: CS-42 (0.5")**Lab Sample ID: 880-42494-42****Date Collected: 04/19/24 00:00****Matrix: Solid****Date Received: 04/19/24 15:34**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	78862	04/20/24 16:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78859	04/21/24 00:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 00:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	78782	04/19/24 16:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78828	04/20/24 12:26	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	78785	04/19/24 16:45	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78892	04/21/24 17:39	SMC	EET MID

Client Sample ID: CS-43 (0.5")**Lab Sample ID: 880-42494-43****Date Collected: 04/19/24 00:00****Matrix: Solid****Date Received: 04/19/24 15:34**

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	78862	04/20/24 16:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78859	04/21/24 01:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 01:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 12:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	78782	04/19/24 16:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78828	04/20/24 12:48	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	78785	04/19/24 16:45	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78892	04/21/24 17:44	SMC	EET MID

Client Sample ID: CS-44 (0.5")**Lab Sample ID: 880-42494-44****Date Collected: 04/19/24 00:00****Matrix: Solid****Date Received: 04/19/24 15:34**

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	78862	04/20/24 16:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78859	04/21/24 01:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 01:38	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-44 (0.5")

Lab Sample ID: 880-42494-44

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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			78926	04/20/24 13:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	78782	04/19/24 16:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78828	04/20/24 13:09	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	78785	04/19/24 16:45	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78892	04/21/24 17:49	SMC	EET MID

Client Sample ID: CS-45 (0.5")

Lab Sample ID: 880-42494-45

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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	78862	04/20/24 16:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78859	04/21/24 01:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 01:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 13:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	78782	04/19/24 16:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78828	04/20/24 13:30	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	78785	04/19/24 16:45	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78892	04/21/24 17:54	SMC	EET MID

Client Sample ID: CS-46 (0.5")

Lab Sample ID: 880-42494-46

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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	78862	04/20/24 16:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78859	04/21/24 02:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 02:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 13:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	78782	04/19/24 16:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78828	04/20/24 13:51	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	78785	04/19/24 16:45	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78892	04/21/24 18:08	SMC	EET MID

Client Sample ID: CS-47 (0.5")

Lab Sample ID: 880-42494-47

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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	78862	04/20/24 16:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78859	04/21/24 02:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 02:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 14:12	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	78782	04/19/24 16:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78828	04/20/24 14:12	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-47 (0.5")**Lab Sample ID: 880-42494-47****Date Collected: 04/19/24 00:00****Matrix: Solid****Date Received: 04/19/24 15:34**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	78785	04/19/24 16:45	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78892	04/21/24 18:13	SMC	EET MID

Client Sample ID: CS-48 (0.5")**Lab Sample ID: 880-42494-48****Date Collected: 04/19/24 00:00****Matrix: Solid****Date Received: 04/19/24 15:34**

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	78862	04/20/24 16:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78859	04/21/24 02:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 02:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 14:33	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	78782	04/19/24 16:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78828	04/20/24 14:33	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	78785	04/19/24 16:45	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78892	04/21/24 18:18	SMC	EET MID

Client Sample ID: CS-49 (0.5")**Lab Sample ID: 880-42494-49****Date Collected: 04/19/24 00:00****Matrix: Solid****Date Received: 04/19/24 15:34**

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	78862	04/20/24 16:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78859	04/21/24 03:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 03:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 14:54	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	78782	04/19/24 16:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78828	04/20/24 14:54	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	78785	04/19/24 16:45	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78892	04/21/24 18:23	SMC	EET MID

Client Sample ID: CS-50 (0.5")**Lab Sample ID: 880-42494-50****Date Collected: 04/19/24 00:00****Matrix: Solid****Date Received: 04/19/24 15:34**

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	78862	04/20/24 16:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78859	04/21/24 03:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 03:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 15:15	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	78782	04/19/24 16:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78828	04/20/24 15:15	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	78785	04/19/24 16:45	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78892	04/21/24 18:28	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-51 (0.5")

Lab Sample ID: 880-42494-51

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	78862	04/20/24 16:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78859	04/21/24 05:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 05:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 15:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	78782	04/19/24 16:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78828	04/20/24 15:57	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	78785	04/19/24 16:45	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	78892	04/21/24 18:33	SMC	EET MID

Client Sample ID: CS-52 (0.5")

Lab Sample ID: 880-42494-52

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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	78862	04/20/24 16:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78859	04/21/24 05:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 05:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 16:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	78782	04/19/24 16:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78828	04/20/24 16:19	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	78785	04/19/24 16:45	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78892	04/21/24 18:47	SMC	EET MID

Client Sample ID: CS-53 (0.5")

Lab Sample ID: 880-42494-53

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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	78862	04/20/24 16:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78859	04/21/24 05:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 05:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 16:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	78782	04/19/24 16:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78828	04/20/24 16:39	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	78785	04/19/24 16:45	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78892	04/21/24 18:52	SMC	EET MID

Client Sample ID: CS-54 (0.5")

Lab Sample ID: 880-42494-54

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	78862	04/20/24 16:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78859	04/21/24 06:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 06:04	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-54 (0.5")

Lab Sample ID: 880-42494-54

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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			78926	04/20/24 17:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	78782	04/19/24 16:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78828	04/20/24 17:01	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	78785	04/19/24 16:45	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78892	04/21/24 19:06	SMC	EET MID

Client Sample ID: CS-55 (0.5")

Lab Sample ID: 880-42494-55

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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	78862	04/20/24 16:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78859	04/21/24 06:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 06:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 17:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	78782	04/19/24 16:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78828	04/20/24 17:22	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	78785	04/19/24 16:45	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78892	04/21/24 19:11	SMC	EET MID

Client Sample ID: CS-56 (0.5")

Lab Sample ID: 880-42494-56

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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	78862	04/20/24 16:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78859	04/21/24 06:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 06:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 17:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	78782	04/19/24 16:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78828	04/20/24 17:43	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	78785	04/19/24 16:45	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78892	04/21/24 19:16	SMC	EET MID

Client Sample ID: CS-57 (0.5")

Lab Sample ID: 880-42494-57

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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	78862	04/20/24 16:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78859	04/21/24 07:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 07:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 18:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	78782	04/19/24 16:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78828	04/20/24 18:04	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-57 (0.5")

Lab Sample ID: 880-42494-57

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	78785	04/19/24 16:45	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78892	04/21/24 19:21	SMC	EET MID

Client Sample ID: CS-58 (0.5")

Lab Sample ID: 880-42494-58

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	78862	04/20/24 16:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78859	04/21/24 07:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 07:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 18:25	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	78782	04/19/24 16:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78828	04/20/24 18:25	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	78785	04/19/24 16:45	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78892	04/21/24 19:26	SMC	EET MID

Client Sample ID: CS-59 (0.5")

Lab Sample ID: 880-42494-59

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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	78862	04/20/24 16:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78859	04/21/24 07:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 07:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 18:46	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	78782	04/19/24 16:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78828	04/20/24 18:46	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	78785	04/19/24 16:45	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78892	04/21/24 19:31	SMC	EET MID

Client Sample ID: CS-60 (0.5")

Lab Sample ID: 880-42494-60

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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	78862	04/20/24 16:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78859	04/21/24 08:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 08:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 19:07	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	78782	04/19/24 16:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78828	04/20/24 19:07	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	78785	04/19/24 16:45	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78892	04/21/24 19:35	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-61 (0.5")

Lab Sample ID: 880-42494-61

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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	78863	04/20/24 16:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78859	04/21/24 11:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 11:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 20:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	78800	04/19/24 17:30	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78828	04/20/24 20:52	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	78787	04/19/24 16:48	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	78895	04/21/24 18:45	SMC	EET MID

Client Sample ID: CS-62 (0.5")

Lab Sample ID: 880-42494-62

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	78863	04/20/24 16:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78859	04/21/24 11:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 11:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 21:55	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	78800	04/19/24 17:30	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78828	04/20/24 21:55	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	78787	04/19/24 16:48	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	78895	04/21/24 19:03	SMC	EET MID

Client Sample ID: CS-63 (0.5")

Lab Sample ID: 880-42494-63

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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	78863	04/20/24 16:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78859	04/21/24 11:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 11:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 22:16	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	78800	04/19/24 17:30	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78828	04/20/24 22:16	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	78787	04/19/24 16:48	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78895	04/21/24 19:10	SMC	EET MID

Client Sample ID: CS-64 (0.5")

Lab Sample ID: 880-42494-64

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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	78863	04/20/24 16:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78859	04/21/24 12:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 12:15	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-64 (0.5")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-64
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			78926	04/20/24 22:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	78800	04/19/24 17:30	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78828	04/20/24 22:37	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	78787	04/19/24 16:48	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78895	04/21/24 19:16	SMC	EET MID

Client Sample ID: CS-65 (0.5")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-65
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			5.01 g	5 mL	78863	04/20/24 16:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78859	04/21/24 12:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 12:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 22:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	78800	04/19/24 17:30	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78828	04/20/24 22:58	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	78787	04/19/24 16:48	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78895	04/21/24 19:22	SMC	EET MID

Client Sample ID: CS-66 (0.5")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-66
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	78863	04/20/24 16:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78859	04/21/24 12:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 12:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 23:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	78800	04/19/24 17:30	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78828	04/20/24 23:19	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	78835	04/20/24 12:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78897	04/22/24 18:08	SMC	EET MID

Client Sample ID: CS-67 (0.5")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-67
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			4.95 g	5 mL	78863	04/20/24 16:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78859	04/21/24 13:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 13:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 23:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	78800	04/19/24 17:30	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78828	04/20/24 23:40	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-67 (0.5")**Lab Sample ID: 880-42494-67****Date Collected: 04/19/24 00:00****Matrix: Solid****Date Received: 04/19/24 15:34**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	78787	04/19/24 16:48	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78895	04/21/24 19:48	SMC	EET MID

Client Sample ID: CS-68 (0.5")**Lab Sample ID: 880-42494-68****Date Collected: 04/19/24 00:00****Matrix: Solid****Date Received: 04/19/24 15:34**

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	78863	04/20/24 16:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78859	04/21/24 13:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 13:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/21/24 00:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	78800	04/19/24 17:30	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78828	04/21/24 00:01	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	78787	04/19/24 16:48	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78895	04/21/24 19:54	SMC	EET MID

Client Sample ID: CS-69 (0.5")**Lab Sample ID: 880-42494-69****Date Collected: 04/19/24 00:00****Matrix: Solid****Date Received: 04/19/24 15:34**

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	78863	04/20/24 16:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78859	04/21/24 13:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 13:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/21/24 00:22	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	78800	04/19/24 17:30	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78828	04/21/24 00:22	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	78787	04/19/24 16:48	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78895	04/21/24 20:00	SMC	EET MID

Client Sample ID: CS-70 (0.5")**Lab Sample ID: 880-42494-70****Date Collected: 04/19/24 00:00****Matrix: Solid****Date Received: 04/19/24 15:34**

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	78863	04/20/24 16:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78859	04/21/24 14:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 14:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/21/24 00:43	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	78800	04/19/24 17:30	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78828	04/21/24 00:43	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	78787	04/19/24 16:48	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78895	04/21/24 20:07	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-71 (0.5")**Lab Sample ID: 880-42494-71****Date Collected: 04/19/24 00:00****Matrix: Solid****Date Received: 04/19/24 15:34**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	78863	04/20/24 16:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78859	04/21/24 15:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 15:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/21/24 01:24	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	78800	04/19/24 17:30	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78828	04/21/24 01:24	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	78787	04/19/24 16:48	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78895	04/21/24 20:13	SMC	EET MID

Client Sample ID: CS-72 (0.5")**Lab Sample ID: 880-42494-72****Date Collected: 04/19/24 00:00****Matrix: Solid****Date Received: 04/19/24 15:34**

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	78863	04/20/24 16:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78859	04/21/24 16:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 16:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/21/24 01:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	78800	04/19/24 17:30	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78828	04/21/24 01:45	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	78787	04/19/24 16:48	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78895	04/21/24 20:32	SMC	EET MID

Client Sample ID: CS-73 (0.5")**Lab Sample ID: 880-42494-73****Date Collected: 04/19/24 00:00****Matrix: Solid****Date Received: 04/19/24 15:34**

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	78863	04/20/24 16:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78859	04/21/24 16:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 16:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/21/24 02:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	78800	04/19/24 17:30	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78828	04/21/24 02:05	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	78787	04/19/24 16:48	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78895	04/21/24 20:38	SMC	EET MID

Client Sample ID: CS-74 (0.5")**Lab Sample ID: 880-42494-74****Date Collected: 04/19/24 00:00****Matrix: Solid****Date Received: 04/19/24 15:34**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	78863	04/20/24 16:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78859	04/21/24 16:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 16:41	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-74 (0.5")

Lab Sample ID: 880-42494-74

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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			78926	04/21/24 02:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	78800	04/19/24 17:30	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78828	04/21/24 02:26	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	78787	04/19/24 16:48	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78895	04/21/24 20:57	SMC	EET MID

Client Sample ID: CS-75 (0.5")

Lab Sample ID: 880-42494-75

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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	78863	04/20/24 16:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78859	04/21/24 17:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 17:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/21/24 02:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	78800	04/19/24 17:30	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78828	04/21/24 02:47	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	78787	04/19/24 16:48	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78895	04/21/24 21:03	SMC	EET MID

Client Sample ID: CS-76 (0.5")

Lab Sample ID: 880-42494-76

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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	78863	04/20/24 16:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78859	04/21/24 17:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 17:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/21/24 03:08	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	78800	04/19/24 17:30	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78828	04/21/24 03:08	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	78835	04/20/24 12:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78897	04/22/24 18:15	SMC	EET MID

Client Sample ID: CS-77 (0.5")

Lab Sample ID: 880-42494-77

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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	78863	04/20/24 16:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78859	04/21/24 17:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 17:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/21/24 03:29	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	78800	04/19/24 17:30	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78828	04/21/24 03:29	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-77 (0.5")

Lab Sample ID: 880-42494-77

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	78787	04/19/24 16:48	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78895	04/21/24 21:16	SMC	EET MID

Client Sample ID: CS-78 (0.5")

Lab Sample ID: 880-42494-78

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	78863	04/20/24 16:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78859	04/21/24 18:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 18:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/21/24 03:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	78800	04/19/24 17:30	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78828	04/21/24 03:50	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	78787	04/19/24 16:48	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78895	04/21/24 21:22	SMC	EET MID

Client Sample ID: CS-79 (0.5")

Lab Sample ID: 880-42494-79

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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	78863	04/20/24 16:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78859	04/21/24 18:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 18:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/21/24 04:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	78800	04/19/24 17:30	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78828	04/21/24 04:10	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	78787	04/19/24 16:48	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78895	04/21/24 21:29	SMC	EET MID

Client Sample ID: CS-80 (0.5")

Lab Sample ID: 880-42494-80

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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	78863	04/20/24 16:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78859	04/21/24 18:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 18:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/21/24 04:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	78800	04/19/24 17:30	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78828	04/21/24 04:31	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	78787	04/19/24 16:48	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78895	04/21/24 21:35	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-81 (0.5")**Lab Sample ID: 880-42494-81****Date Collected: 04/19/24 00:00****Matrix: Solid****Date Received: 04/19/24 15:34**

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	78864	04/20/24 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78876	04/21/24 21:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 21:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 11:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	78801	04/19/24 17:32	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78822	04/20/24 11:20	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	78788	04/19/24 16:51	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78893	04/21/24 20:14	SMC	EET MID

Client Sample ID: CS-82 (0.5")**Lab Sample ID: 880-42494-82****Date Collected: 04/19/24 00:00****Matrix: Solid****Date Received: 04/19/24 15:34**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	78864	04/20/24 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78876	04/21/24 22:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 22:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 12:27	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	78801	04/19/24 17:32	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78822	04/20/24 12:27	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	78788	04/19/24 16:51	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78893	04/21/24 20:29	SMC	EET MID

Client Sample ID: CS-83 (0.5")**Lab Sample ID: 880-42494-83****Date Collected: 04/19/24 00:00****Matrix: Solid****Date Received: 04/19/24 15:34**

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	78864	04/20/24 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78876	04/21/24 22:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 22:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 12:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	78801	04/19/24 17:32	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78822	04/20/24 12:49	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	78788	04/19/24 16:51	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78893	04/21/24 20:34	SMC	EET MID

Client Sample ID: CS-84 (0.5")**Lab Sample ID: 880-42494-84****Date Collected: 04/19/24 00:00****Matrix: Solid****Date Received: 04/19/24 15:34**

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	78864	04/20/24 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78876	04/21/24 22:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 22:52	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-84 (0.5")**Lab Sample ID: 880-42494-84****Date Collected: 04/19/24 00:00****Matrix: Solid****Date Received: 04/19/24 15:34**

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			78926	04/20/24 13:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	78801	04/19/24 17:32	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78822	04/20/24 13:11	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	78788	04/19/24 16:51	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78893	04/21/24 20:38	SMC	EET MID

Client Sample ID: CS-85 (0.5")**Lab Sample ID: 880-42494-85****Date Collected: 04/19/24 00:00****Matrix: Solid****Date Received: 04/19/24 15:34**

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	78864	04/20/24 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78876	04/21/24 23:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 23:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 13:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	78801	04/19/24 17:32	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78822	04/20/24 13:32	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	78788	04/19/24 16:51	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78893	04/21/24 20:43	SMC	EET MID

Client Sample ID: CS-86 (0.5")**Lab Sample ID: 880-42494-86****Date Collected: 04/19/24 00:00****Matrix: Solid****Date Received: 04/19/24 15:34**

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	78864	04/20/24 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78876	04/21/24 23:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 23:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 13:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	78801	04/19/24 17:32	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78822	04/20/24 13:52	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	78788	04/19/24 16:51	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78893	04/21/24 20:58	SMC	EET MID

Client Sample ID: CS-87 (0.5")**Lab Sample ID: 880-42494-87****Date Collected: 04/19/24 00:00****Matrix: Solid****Date Received: 04/19/24 15:34**

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	78864	04/20/24 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78876	04/21/24 23:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/21/24 23:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 14:11	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	78801	04/19/24 17:32	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78822	04/20/24 14:11	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-87 (0.5")**Lab Sample ID: 880-42494-87****Date Collected: 04/19/24 00:00****Matrix: Solid****Date Received: 04/19/24 15:34**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	78788	04/19/24 16:51	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78893	04/21/24 21:03	SMC	EET MID

Client Sample ID: CS-88 (0.5")**Lab Sample ID: 880-42494-88****Date Collected: 04/19/24 00:00****Matrix: Solid****Date Received: 04/19/24 15:34**

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	78864	04/20/24 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78876	04/22/24 00:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/22/24 00:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 14:32	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	78801	04/19/24 17:32	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78822	04/20/24 14:32	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	78788	04/19/24 16:51	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78893	04/21/24 21:07	SMC	EET MID

Client Sample ID: CS-89 (0.5")**Lab Sample ID: 880-42494-89****Date Collected: 04/19/24 00:00****Matrix: Solid****Date Received: 04/19/24 15:34**

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	78864	04/20/24 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78876	04/22/24 00:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/22/24 00:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 14:52	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	78801	04/19/24 17:32	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78822	04/20/24 14:52	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	78788	04/19/24 16:51	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78893	04/21/24 21:12	SMC	EET MID

Client Sample ID: CS-90 (0.5")**Lab Sample ID: 880-42494-90****Date Collected: 04/19/24 00:00****Matrix: Solid****Date Received: 04/19/24 15:34**

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	78864	04/20/24 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78876	04/22/24 00:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/22/24 00:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 15:12	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	78801	04/19/24 17:32	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78822	04/20/24 15:12	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	78788	04/19/24 16:51	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78893	04/21/24 21:17	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-91 (0.5")

Lab Sample ID: 880-42494-91

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	78864	04/20/24 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78876	04/22/24 02:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/22/24 02:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 15:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	78801	04/19/24 17:32	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78822	04/20/24 15:54	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	78788	04/19/24 16:51	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78893	04/21/24 21:22	SMC	EET MID

Client Sample ID: CS-92 (0.5")

Lab Sample ID: 880-42494-92

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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	78864	04/20/24 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78876	04/22/24 02:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/22/24 02:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 16:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	78801	04/19/24 17:32	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78822	04/20/24 16:14	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	78788	04/19/24 16:51	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78893	04/21/24 21:36	SMC	EET MID

Client Sample ID: CS-93 (0.5")

Lab Sample ID: 880-42494-93

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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	78864	04/20/24 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78876	04/22/24 02:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/22/24 02:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 16:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	78801	04/19/24 17:32	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78822	04/20/24 16:35	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	78788	04/19/24 16:51	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78893	04/21/24 21:41	SMC	EET MID

Client Sample ID: CS-94 (0.5")

Lab Sample ID: 880-42494-94

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	78864	04/20/24 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78876	04/22/24 03:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/22/24 03:16	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-94 (0.5")

Lab Sample ID: 880-42494-94

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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			78926	04/20/24 16:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	78801	04/19/24 17:32	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78822	04/20/24 16:55	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	78788	04/19/24 16:51	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78893	04/21/24 21:56	SMC	EET MID

Client Sample ID: CS-95 (0.5")

Lab Sample ID: 880-42494-95

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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	78864	04/20/24 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78876	04/22/24 03:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/22/24 03:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 17:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	78801	04/19/24 17:32	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78822	04/20/24 17:15	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	78788	04/19/24 16:51	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	78893	04/21/24 22:01	SMC	EET MID

Client Sample ID: CS-96 (0.5")

Lab Sample ID: 880-42494-96

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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	78864	04/20/24 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78876	04/22/24 03:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/22/24 03:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 17:35	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	78801	04/19/24 17:32	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78822	04/20/24 17:35	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	78788	04/19/24 16:51	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78893	04/21/24 22:05	SMC	EET MID

Client Sample ID: CS-97 (0.5")

Lab Sample ID: 880-42494-97

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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	78864	04/20/24 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78876	04/22/24 04:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/22/24 04:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 17:55	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	78801	04/19/24 17:32	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78822	04/20/24 17:55	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: CS-97 (0.5")**Lab Sample ID: 880-42494-97****Date Collected: 04/19/24 00:00****Matrix: Solid****Date Received: 04/19/24 15:34**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	78788	04/19/24 16:51	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78893	04/21/24 22:10	SMC	EET MID

Client Sample ID: SW-1 (1.5")**Lab Sample ID: 880-42494-98****Date Collected: 04/19/24 00:00****Matrix: Solid****Date Received: 04/19/24 15:34**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	78864	04/20/24 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78876	04/22/24 04:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/22/24 04:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 18:15	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	78801	04/19/24 17:32	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78822	04/20/24 18:15	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	78788	04/19/24 16:51	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78893	04/21/24 22:15	SMC	EET MID

Client Sample ID: SW-2 (1.5")**Lab Sample ID: 880-42494-99****Date Collected: 04/19/24 00:00****Matrix: Solid****Date Received: 04/19/24 15:34**

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	78864	04/20/24 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78876	04/22/24 04:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/22/24 04:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 18:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	78801	04/19/24 17:32	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78822	04/20/24 18:35	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	78788	04/19/24 16:51	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78893	04/21/24 22:20	SMC	EET MID

Client Sample ID: SW-3 (1.5")**Lab Sample ID: 880-42494-100****Date Collected: 04/19/24 00:00****Matrix: Solid****Date Received: 04/19/24 15:34**

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	78864	04/20/24 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78876	04/22/24 05:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/22/24 05:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/20/24 18:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	78801	04/19/24 17:32	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78822	04/20/24 18:54	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	78788	04/19/24 16:51	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78893	04/21/24 22:25	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: SW-4 (2.5")

Lab Sample ID: 880-42494-101

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	78891	04/22/24 08:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78885	04/22/24 16:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/22/24 16:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/22/24 00:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	78774	04/19/24 14:32	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78869	04/22/24 00:34	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	78835	04/20/24 12:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78897	04/21/24 22:26	SMC	EET MID

Client Sample ID: SW-5 (4.0")

Lab Sample ID: 880-42494-102

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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	78891	04/22/24 08:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78885	04/22/24 16:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/22/24 16:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/22/24 00:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	78774	04/19/24 14:32	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78869	04/22/24 00:54	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	78835	04/20/24 12:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78897	04/21/24 22:45	SMC	EET MID

Client Sample ID: SW-6 (4.0")

Lab Sample ID: 880-42494-103

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

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	78891	04/22/24 08:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78885	04/22/24 17:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/22/24 17:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			78926	04/22/24 01:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	78774	04/19/24 14:32	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78869	04/22/24 01:15	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	78835	04/20/24 12:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78897	04/21/24 22:51	SMC	EET MID

Client Sample ID: SW-7 (2.5")

Lab Sample ID: 880-42494-104

Date Collected: 04/19/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	78891	04/22/24 08:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78885	04/22/24 17:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78948	04/22/24 17:30	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Client Sample ID: SW-7 (2.5")
Date Collected: 04/19/24 00:00
Date Received: 04/19/24 15:34

Lab Sample ID: 880-42494-104
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			78926	04/22/24 01:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	78774	04/19/24 14:32	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78869	04/22/24 01:35	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	78835	04/20/24 12:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78897	04/21/24 22:57	SMC	EET MID

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

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Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-42494-1	CS-1 (1.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-2	CS-2 (1.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-3	CS-3 (1.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-4	CS-4 (1.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-5	CS-5 (1.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-6	CS-6 (1.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-7	CS-7 (1.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-8	CS-8 (1.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-9	CS-9 (1.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-10	CS-10 (1.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-11	CS-11 (1.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-12	CS-12 (1.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-13	CS-13 (4.0")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-14	CS-14 (4.0")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-15	CS-15 (4.0")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-16	CS-16 (4.0")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-17	CS-17 (4.0")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-18	CS-18 (4.0")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-19	CS-19 (4.0")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-20	CS-20 (4.0")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-21	CS-21 (4.0")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-22	CS-22 (4.0")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-23	CS-23 (4.0")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-24	CS-24 (4.0")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-25	CS-25 (4.0")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-26	CS-26 (4.0")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-27	CS-27 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-28	CS-28 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-29	CS-29 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-30	CS-30 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-31	CS-31 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-32	CS-32 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-33	CS-33 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-34	CS-34 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-35	CS-35 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-36	CS-36 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-37	CS-37 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-38	CS-38 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-39	CS-39 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-40	CS-40 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-41	CS-41 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-42	CS-42 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-43	CS-43 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-44	CS-44 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-45	CS-45 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-46	CS-46 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-47	CS-47 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-48	CS-48 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-49	CS-49 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-50	CS-50 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-51	CS-51 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-52	CS-52 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-53	CS-53 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-54	CS-54 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34

Sample Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42494-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-42494-55	CS-55 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-56	CS-56 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-57	CS-57 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-58	CS-58 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-59	CS-59 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-60	CS-60 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-61	CS-61 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-62	CS-62 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-63	CS-63 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-64	CS-64 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-65	CS-65 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-66	CS-66 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-67	CS-67 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-68	CS-68 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-69	CS-69 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-70	CS-70 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-71	CS-71 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-72	CS-72 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-73	CS-73 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-74	CS-74 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-75	CS-75 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-76	CS-76 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-77	CS-77 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-78	CS-78 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-79	CS-79 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-80	CS-80 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-81	CS-81 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-82	CS-82 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-83	CS-83 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-84	CS-84 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-85	CS-85 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-86	CS-86 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-87	CS-87 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-88	CS-88 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-89	CS-89 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-90	CS-90 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-91	CS-91 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-92	CS-92 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-93	CS-93 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-94	CS-94 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-95	CS-95 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-96	CS-96 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-97	CS-97 (0.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-98	SW-1 (1.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-99	SW-2 (1.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-100	SW-3 (1.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-101	SW-4 (2.5")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-102	SW-5 (4.0")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-103	SW-6 (4.0")	Solid	04/19/24 00:00	04/19/24 15:34
880-42494-104	SW-7 (2.5")	Solid	04/19/24 00:00	04/19/24 15:34



Wc

880-42494 Chain of Custody

Project Manager Ashton Thielke		Bill to (if different) Carmona Resources	
Company Name Carmona Resources		Company Name	
Address 310 West Wall Ste 500		Address	
City, State ZIP Midland, TX 79701		City, State ZIP	
Phone 432-813-8988		Email athielke@carmonaresources.com	

Project Name Berry 2 SWD (11 27 2023)		Turn Around □ Routine ☒ Rush		Pres. Code	
Project Number 2338		Due Date 24 hrs			
Project Location Lea County, NM					
Sampler's Name GPJ					
PO #					

SAMPLE RECEIPT		Temp Blank		Yes (No) Wet Ice		Yes (No)	
Received Intact:		(Yes) No		Thermometer ID		D18	
Cooler Custody Seals		Yes No		Correction Factor		-10	
Sample Custody Seals		Yes No		Temperature Reading		1.3	
Total Containers				Corrected Temperature		1.2	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Relinquished by (Signature)	Date/Time
CS-1 (1 5')	4/19/2024		X		C	1		X	X		
CS-2 (1 5')	4/19/2024		X		C	1		X	X		
CS-3 (1 5')	4/19/2024		X		C	1		X	X		
CS-4 (1 5')	4/19/2024		X		C	1		X	X		
CS-5 (1 5')	4/19/2024		X		C	1		X	X		
CS-6 (1 5')	4/19/2024		X		C	1		X	X		
CS-7 (1 5')	4/19/2024		X		C	1		X	X		
CS-8 (1 5')	4/19/2024		X		C	1		X	X		
CS-9 (1 5')	4/19/2024		X		C	1		X	X		
CS-10 (1 5')	4/19/2024		X		C	1		X	X		

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com											
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Relinquished by (Signature)		Received by (Signature)		Date/Time		Relinquished by (Signature)		Received by (Signature)		Date/Time	
				4/19/24							
				1530							

Relinquished by (Signature)		Received by (Signature)		Date/Time		Relinquished by (Signature)		Received by (Signature)		Date/Time	

Revised Date 05/12/2020 Rev 2020.1

Work Order No: 42494

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Project Manager		Ashton Thielke		Bill to (if different)		Carmona Resources	
Company Name		Carmona Resources		Company Name			
Address		310 West Wall Ste 500		Address			
City, State ZIP		Midland, TX 79701		City, State ZIP			
Phone		432-813-8988		Email		athielke@carmonaresources.com	

Project Name		Berry 2 SWD (11 27 2023)		Turn Around		Rush	
Project Number		2338		Routine		☒ Rush	
Project Location		Lea County, NM		Due Date		24 hrs	
Sampler's Name		GPU		City, State ZIP			
PO #				Email		athielke@carmonaresources.com	

ANALYSIS REQUEST										Preservative Codes	
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters			Pres. Code	Sample Comments
							TPH 8015M (GRO + DRO + MRO)	BTEX 8021B	Chloride 300.0		
CS-11 (1 5')	4/19/2024		X		C	1	X	X	X		None NO
CS-12 (1 5')	4/19/2024		X		C	1	X	X	X		DI Water H ₂ O
CS-13 (4 0')	4/19/2024		X		C	1	X	X	X		Cool Cool
CS-14 (4 0')	4/19/2024		X		C	1	X	X	X		HCL HC
CS-15 (4 0')	4/19/2024		X		C	1	X	X	X		H ₂ SO ₄ H ₂
CS-16 (4 0')	4/19/2024		X		C	1	X	X	X		H ₃ PO ₄ HP
CS-17 (4 0')	4/19/2024		X		C	1	X	X	X		NaHSO ₄ NABIS
CS-18 (4 0')	4/19/2024		X		C	1	X	X	X		Na ₂ S ₂ O ₃ NaSO ₃
CS-19 (4 0')	4/19/2024		X		C	1	X	X	X		Zn Acetate+NaOH Zn
CS-20 (4 0')	4/19/2024		X		C	1	X	X	X		NaOH+Ascorbic Acid SAPC

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
		4/19/24			
		1530			

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Project Manager Ashton Thielke		Bill to (if different) Company Name Carmona Resources	
Company Name Carmona Resources		Company Name Carmona Resources	
Address 310 West Wall Ste 500		Address Carmona Resources	
City, State ZIP Midland, TX 79701		City, State ZIP Carmona Resources	
Phone 432-813-8988		Email athielke@carmonaresources.com	

Project Name Berry 2 SWD (11 27 2023)		Turn Around ☐ Routine ☒ Rush	
Project Number 2338		Due Date 24 hrs	
Project Location Lea County, NM		Due Date GPJ	
Sampler's Name		Due Date	
PO #		Due Date	

SAMPLE RECEIPT		Temp Blank		Yes		No	
Received Intact:		Yes		No		Thermometer ID	
Cooler Custody Seals		Yes		No		Correction Factor	
Sample Custody Seals		Yes		No		Temperature Reading	
Total Containers		Yes		No		Corrected Temperature	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	Pres. Code	ANALYSIS REQUEST										Preservative Codes
CS-21 (4 0')	4/19/2024		X		C	1											None NO	DI Water H ₂ O	
CS-22 (4 0')	4/19/2024		X		C	1											Cool Cool	MeOH Me	
CS-23 (4 0')	4/19/2024		X		C	1											HCL HC	HNO ₃ HN	
CS-24 (4 0')	4/19/2024		X		C	1											H ₂ SO ₄ H ₂	NaOH Na	
CS-25 (4 0')	4/19/2024		X		C	1											H ₃ PO ₄ HP		
CS-26 (4 0')	4/19/2024		X		C	1											NaHSO ₄ NABIS		
CS-27 (0 5')	4/19/2024		X		C	1											Na ₂ S ₂ O ₃ NaSO ₃		
CS-28 (0 5')	4/19/2024		X		C	1											Zn Acetate+NaOH Zn		
CS-29 (0 5')	4/19/2024		X		C	1											NaOH+Ascorbic Acid SACP		
CS-30 (0 5')	4/19/2024		X		C	1													

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com									
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Relinquished by (Signature)										Received by (Signature)										Date/Time									

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Project Manager: Ashton Thielke		Bill to (if different)		Carmona Resources	
Company Name: Carmona Resources		Company Name			
Address: 310 West Wall Ste 500		Address			
City, State ZIP: Midland, TX 79701		City, State ZIP			
Phone: 432-813-8988		Email: athielke@carmonaresources.com			

Project Name: Berry 2 SWD (11 27 2023)		Turn Around		Pres. Code		ANALYSIS REQUEST		Preservative Codes	
Project Number: 2338		☐ Routine ☒ Rush						None NO DI Water H ₂ O	
Project Location: Lea County, NM		Due Date: 24 hrs						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						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	TPH 8015M (GRO + DRO + MRO)	BTEX 8021B	Chloride 300.0	Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
CS-31 (0 5')	4/19/2024		X		C	1	X	X	X				
CS-32 (0 5')	4/19/2024		X		C	1	X	X	X				
CS-33 (0 5')	4/19/2024		X		C	1	X	X	X				
CS-34 (0 5')	4/19/2024		X		C	1	X	X	X				
CS-35 (0 5')	4/19/2024		X		C	1	X	X	X				
CS-36 (0 5')	4/19/2024		X		C	1	X	X	X				
CS-37 (0 5')	4/19/2024		X		C	1	X	X	X				
CS-38 (0 5')	4/19/2024		X		C	1	X	X	X				
CS-39 (0 5')	4/19/2024		X		C	1	X	X	X				
CS-40 (0 5')	4/19/2024		X		C	1	X	X	X				

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by (Signature)		Received by (Signature)		Date/Time		Relinquished by (Signature)		Received by (Signature)		Date/Time	
				4/19/24							
				1530							

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Project Manager Ashton Thielke		Bill to (if different)		Carmona Resources	
Company Name Carmona Resources		Company Name			
Address 310 West Wall Ste 500		Address			
City, State ZIP Midland, TX 79701		City, State ZIP			
Phone 432-813-8988		Email athielke@carmonaresources.com			

Project Name Berry 2 SWD (11 27 2023)		Turn Around		Pres. Code	
Project Number 2338		☐ Routine ☒ Rush			
Project Location Lea County, NM		Due Date 24 hrs			
Sampler's Name GPJ					
PO #:					

SAMPLE RECEIPT		Temp Blank		Yes No		Wet Ice		Yes No	
Received Intact:		Yes No		Thermometer ID					
Cooler Custody Seals		Yes No N/A		Correction Factor					
Sample Custody Seals		Yes No N/A		Temperature Reading					
Total Containers:				Corrected Temperature					

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	ANALYSIS REQUEST										Preservative Codes	Sample Comments
CS-51 (0 5')	4/19/2024		X		C	1		X	X								None NO	DI Water H ₂ O			
CS-52 (0 5')	4/19/2024		X		C	1		X	X								Cool Cool	MeOH Me			
CS-53 (0 5')	4/19/2024		X		C	1		X	X								HCL HC	HNO ₃ HN			
CS-54 (0 5')	4/19/2024		X		C	1		X	X								H ₂ SO ₄ H ₂	NaOH Na			
CS-55 (0 5')	4/19/2024		X		C	1		X	X								H ₃ PO ₄ HP				
CS-56 (0 5')	4/19/2024		X		C	1		X	X								NaHSO ₄ NABIS				
CS-57 (0 5')	4/19/2024		X		C	1		X	X								Na ₂ S ₂ O ₃ NaSO ₃				
CS-58 (0 5')	4/19/2024		X		C	1		X	X								Zn Acetate+NaOH Zn				
CS-59 (0 5')	4/19/2024		X		C	1		X	X								NaOH+Ascorbic Acid SACP				
CS-60 (0 5')	4/19/2024		X		C	1		X	X												

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com			
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Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
		4/19/24			
		1536			

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Project Manager		Ashton Thielke		Bill to (if different)		Carmona Resources	
Company Name		Carmona Resources		Company Name			
Address		310 West Wall Ste 500		Address			
City, State ZIP		Midland, TX 79701		City, State ZIP			
Phone		432-813-8988		Email		athielke@carmonaresources.com	

Project Name		Berry 2 SWD (11 27 2023)		Turn Around		Pres. Code	
Project Number		2338		☐ Routine ☒ Rush			
Project Location		Lea County, NM		Due Date		24 hrs	
Sampler's Name		GPJ					
PO #							

ANALYSIS REQUEST										Preservative Codes		
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters		TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
							Yes	No				
CS-61 (0 5')	4/19/2024		X		C	1			X	X		None NO DI Water H ₂ O
CS-62 (0 5')	4/19/2024		X		C	1			X	X		Cool Cool MeOH Me
CS-63 (0 5')	4/19/2024		X		C	1			X	X		HCL HC HNO ₃ HN
CS-64 (0 5')	4/19/2024		X		C	1			X	X		H ₂ SO ₄ H ₂ NaOH Na
CS-65 (0 5')	4/19/2024		X		C	1			X	X		H ₃ PO ₄ HP
CS-66 (0 5')	4/19/2024		X		C	1			X	X		NaHSO ₄ NABIS
CS-67 (0 5')	4/19/2024		X		C	1			X	X		Na ₂ S ₂ O ₃ NaSO ₃
CS-68 (0 5')	4/19/2024		X		C	1			X	X		Zn Acetate+NaOH Zn
CS-69 (0 5')	4/19/2024		X		C	1			X	X		NaOH+Ascorbic Acid SAPC
CS-70 (0 5')	4/19/2024		X		C	1			X	X		

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
		4/19/24			
		1530			

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Project Manager		Ashton Thielke		Bill to (if different)		Carmona Resources	
Company Name		Carmona Resources		Company Name			
Address		310 West Wall Ste 500		Address			
City, State ZIP		Midland, TX 79701		City, State ZIP			
Phone		432-813-8988		Email		athielke@carmonaresources.com	

Project Name		Berry 2 SWD (11 27 2023)		Turn Around		Pres. Code	
Project Number		2338		☐ Routine ☒ Rush			
Project Location		Lea County, NM		Due Date		24 hrs	
Sampler's Name		GPJ					
PO #							

ANALYSIS REQUEST										Preservative Codes	
										None	NO
										Cool	Me
										HCL	HC
										H ₂ SO ₄	H ₂
										H ₃ PO ₄	HP
										NaHSO ₄	NABIS
										Na ₂ S ₂ O ₃	NaSO ₃
										Zn Acetate	NaOH
										NaOH+Ascorbic Acid	SAPC

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	BTX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Relinquished by (Signature)	Received by (Signature)	Date/Time
CS-71 (0 5')	4/19/2024		X		C	1		X	X	X			
CS-72 (0 5')	4/19/2024		X		C	1		X	X	X			
CS-73 (0 5')	4/19/2024		X		C	1		X	X	X			
CS-74 (0 5')	4/19/2024		X		C	1		X	X	X			
CS-75 (0 5')	4/19/2024		X		C	1		X	X	X			
CS-76 (0 5')	4/19/2024		X		C	1		X	X	X			
CS-77 (0 5')	4/19/2024		X		C	1		X	X	X			
CS-78 (0 5')	4/19/2024		X		C	1		X	X	X			
CS-79 (0 5')	4/19/2024		X		C	1		X	X	X			
CS-80 (0 5')	4/19/2024		X		C	1		X	X	X			

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
		4/19/24			
		1530			

Revised Date 05/12/2020 Rev 2020.1

Work Order No: 42494

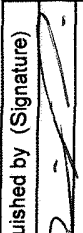
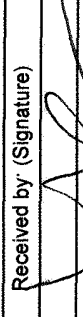
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Project Manager		Ashton Thielke		Bill to (if different)		Carmona Resources	
Company Name		Carmona Resources		Company Name			
Address		310 West Wall Ste 500		Address			
City, State ZIP		Midland, TX 79701		City, State ZIP			
Phone		432-813-8988		Email		athielke@carmonaresources.com	

Project Name		Berry 2 SWD (11 27 2023)		Turn Around		Proa. Code	
Project Number		2338		☐ Routine ☒ Rush			
Project Location		Lea County, NM		Due Date		24 hrs	
Sampler's Name		GPJ					
PO #:							

ANALYSIS REQUEST										Preservative Codes	
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0		
CS-81 (0 5')	4/19/2024		X		C	1		X	X		None NO
CS-82 (0 5')	4/19/2024		X		C	1		X	X		Cool Cool
CS-83 (0 5')	4/19/2024		X		C	1		X	X		HCL HC
CS-84 (0 5')	4/19/2024		X		C	1		X	X		H ₂ SO ₄ H ₂
CS-85 (0 5')	4/19/2024		X		C	1		X	X		H ₃ PO ₄ HP
CS-86 (0 5')	4/19/2024		X		C	1		X	X		NaHSO ₄ , NABIS
CS-87 (0 5')	4/19/2024		X		C	1		X	X		Na ₂ S ₂ O ₃ NaSO ₃
CS-88 (0 5')	4/19/2024		X		C	1		X	X		Zn Acetate+NaOH Zn
CS-89 (0 5')	4/19/2024		X		C	1		X	X		NaOH+Ascorbic Acid SAPC
CS-90 (0 5')	4/19/2024		X		C	1		X	X		

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
		4/19/24			
		4/19/24			

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

Project Manager: Ashton Thielke	Bill to (if different)	Carmona Resources
Company Name: Carmona Resources	Company Name:	
Address: 310 West Wall Ste 500	Address:	
City, State ZIP: Midland, TX 79701	City, State ZIP:	
Phone: 432-813-8988	Email: athielke@carmonaresources.com	

ANALYSIS REQUEST									
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	Pres. Code	Preservative Codes
CS-91 (0.5')	4/19/2024		X		C	1			None NO
CS-92 (0.5')	4/19/2024		X		C	1			DI Water H ₂ O
CS-93 (0.5')	4/19/2024		X		C	1			Cool Cool
CS-94 (0.5')	4/19/2024		X		C	1			HCL HC
CS-95 (0.5')	4/19/2024		X		C	1			H ₂ SO ₄ H ₂
CS-96 (0.5')	4/19/2024		X		C	1			H ₃ PO ₄ HP
CS-97 (0.5')	4/19/2024		X		C	1			NaHSO ₄ NABIS
SW-1 (1.5')	4/19/2024		X		C	1			Na ₂ S ₂ O ₃ NaSO ₃
SW-2 (1.5')	4/19/2024		X		C	1			Zn Acetate+NaOH Zn
SW-3 (1.5')	4/19/2024		X		C	1			NaOH+Ascorbic Acid SAPC

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
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5			6		

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42494

Work Order No: _____

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Project Manager: Ashton Thielke		Bill to (if different)		Carmona Resources	
Company Name: Carmona Resources		Company Name			
Address: 310 West Wall Ste 500		Address			
City, State ZIP: Midland, TX 79701		City, State ZIP			
Phone: 432-813-8988		Email: athielke@carmonaresources.com			

Project Name: Berry 2 SWD (11 27 2023)		Turn Around		Pres. Code	
Project Number: 2338		☐ Routine ☒ Rush			
Project Location: Lea County, NM		Due Date: 24 hrs			
Sampler's Name: GPJ					
PO #:					

SAMPLE RECEIPT		Temp Blank		Yes No		Wet Ice		Yes No	
Received Intact:		Yes No		Thermometer ID					
Cooler Custody Seals:		Yes No N/A		Correction Factor					
Sample Custody Seals:		Yes No N/A		Temperature Reading					
Total Containers:				Corrected Temperature					

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	TPH 8015M (GRO + DRO + MRO)	BTEX 8021B	Chloride 300.0	ANALYSIS REQUEST	Preservative Codes	Sample Comments
SW-4 (2 5')	4/19/2024		X		C	1		X	X	X		None NO	
SW-5 (4 0')	4/19/2024		X		C	1		X	X	X		DI Water H ₂ O	
SW-6 (4 0')	4/19/2024		X		C	1		X	X	X		Cool Cool	
SW-7 (2 5')	4/19/2024		X		C	1		X	X	X		HCL HC	
												H ₂ SO ₄ H ₂	
												H ₃ PO ₄ HP	
												NaHSO ₄ NABIS	
												Na ₂ S ₂ O ₃ NaSO ₃	
												Zn Acetate+NaOH Zn	
												NaOH+Ascorbic Acid SAPC	

Relinquished by (Signature)				Received by (Signature)		Date/Time	
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Relinquished by (Signature)				Received by (Signature)		Date/Time	
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Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Revised Date 05/01/2020 Rev 2020.1

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-42494-1
SDG Number: Lea County, NM

Login Number: 42494
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: Ashton Thielke
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

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JOB DESCRIPTION

Berry 2 SWD (11.27.2023)
Lea County, NM

JOB NUMBER

880-42577-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



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4/24/2024 2:29:14 PM

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

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Laboratory Job ID: 880-42577-1
SDG: Lea County, NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42577-1
SDG: Lea County, NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Berry 2 SWD (11.27.2023)

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Job Narrative 880-42577-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

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

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

Receipt

The samples were received on 4/23/2024 9:33 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.2°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS- 98 (4.0') (880-42577-1), CS- 99 (4.0') (880-42577-2), CS- 100 (4.0') (880-42577-3), CS- 101 (4.0') (880-42577-4), CS- 102 (4.0') (880-42577-5), SW-8 (4.0') (880-42577-6), SW- 11 (4.0') (880-42577-7), SW- 12 (4.0') (880-42577-8), SW- 13 (4.0') (880-42577-9), SW- 14 (4.0') (880-42577-10), SW- 15 (4.0') (880-42577-11), SW- 16 (4.0') (880-42577-12) and SW- 17 (4.0') (880-42577-13).

GC VOA

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-79037 and analytical batch 880-79001 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS- 98 (4.0') (880-42577-1), CS- 100 (4.0') (880-42577-3), CS- 102 (4.0') (880-42577-5), SW- 11 (4.0') (880-42577-7), SW- 13 (4.0') (880-42577-9), (880-42577-A-1-E MS) and (880-42577-A-1-F MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside the upper control limit: SW- 16 (4.0') (880-42577-12) and SW- 17 (4.0') (880-42577-13). This sample did not contain any target analytes; 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 - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-79132 and analytical batch 880-79157 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

CS- 98 (4.0') (880-42577-1), CS- 99 (4.0') (880-42577-2), CS- 100 (4.0') (880-42577-3), CS- 101 (4.0') (880-42577-4), CS- 102 (4.0') (880-42577-5) and SW-8 (4.0') (880-42577-6)

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

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42577-1
SDG: Lea County, NM

Client Sample ID: CS- 98 (4.0')

Lab Sample ID: 880-42577-1

Date Collected: 04/22/24 00:00

Matrix: Solid

Date Received: 04/23/24 09:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/23/24 09:52	04/23/24 12:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/23/24 09:52	04/23/24 12:15	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/23/24 09:52	04/23/24 12:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/23/24 09:52	04/23/24 12:15	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/23/24 09:52	04/23/24 12:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/23/24 09:52	04/23/24 12:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	04/23/24 09:52	04/23/24 12:15	1
1,4-Difluorobenzene (Surr)	91		70 - 130	04/23/24 09:52	04/23/24 12:15	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			04/23/24 12:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/23/24 20:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/23/24 10:06	04/23/24 20:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/23/24 10:06	04/23/24 20:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/23/24 10:06	04/23/24 20:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130	04/23/24 10:06	04/23/24 20:00	1
o-Terphenyl	117		70 - 130	04/23/24 10:06	04/23/24 20:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	30.4		4.98		mg/Kg			04/24/24 04:33	1

Client Sample ID: CS- 99 (4.0')

Lab Sample ID: 880-42577-2

Date Collected: 04/22/24 00:00

Matrix: Solid

Date Received: 04/23/24 09:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/23/24 09:52	04/23/24 12:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/23/24 09:52	04/23/24 12:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/23/24 09:52	04/23/24 12:36	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/23/24 09:52	04/23/24 12:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/23/24 09:52	04/23/24 12:36	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/23/24 09:52	04/23/24 12:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	04/23/24 09:52	04/23/24 12:36	1
1,4-Difluorobenzene (Surr)	91		70 - 130	04/23/24 09:52	04/23/24 12:36	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42577-1
SDG: Lea County, NM

Client Sample ID: CS- 99 (4.0')

Lab Sample ID: 880-42577-2

Date Collected: 04/22/24 00:00

Matrix: Solid

Date Received: 04/23/24 09:33

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/23/24 12:36	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			04/23/24 21:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/23/24 10:06	04/23/24 21:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/23/24 10:06	04/23/24 21:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/23/24 10:06	04/23/24 21:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				04/23/24 10:06	04/23/24 21:03	1
o-Terphenyl	93		70 - 130				04/23/24 10:06	04/23/24 21:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	267		5.04		mg/Kg			04/24/24 04:48	1

Client Sample ID: CS- 100 (4.0')

Lab Sample ID: 880-42577-3

Date Collected: 04/22/24 00:00

Matrix: Solid

Date Received: 04/23/24 09:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/23/24 09:52	04/23/24 12:56	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/23/24 09:52	04/23/24 12:56	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/23/24 09:52	04/23/24 12:56	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/23/24 09:52	04/23/24 12:56	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/23/24 09:52	04/23/24 12:56	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/23/24 09:52	04/23/24 12:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				04/23/24 09:52	04/23/24 12:56	1
1,4-Difluorobenzene (Surr)	92		70 - 130				04/23/24 09:52	04/23/24 12:56	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			04/23/24 12:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/23/24 21:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/23/24 10:06	04/23/24 21:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/23/24 10:06	04/23/24 21:24	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42577-1
SDG: Lea County, NM

Client Sample ID: CS- 100 (4.0')

Lab Sample ID: 880-42577-3

Date Collected: 04/22/24 00:00

Matrix: Solid

Date Received: 04/23/24 09:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/23/24 10:06	04/23/24 21:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	137	S1+	70 - 130				04/23/24 10:06	04/23/24 21:24	1
o-Terphenyl	122		70 - 130				04/23/24 10:06	04/23/24 21:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	503		4.99		mg/Kg			04/24/24 04:52	1

Client Sample ID: CS- 101 (4.0')

Lab Sample ID: 880-42577-4

Date Collected: 04/22/24 00:00

Matrix: Solid

Date Received: 04/23/24 09:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/23/24 09:52	04/23/24 13:17	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/23/24 09:52	04/23/24 13:17	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/23/24 09:52	04/23/24 13:17	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/23/24 09:52	04/23/24 13:17	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/23/24 09:52	04/23/24 13:17	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/23/24 09:52	04/23/24 13:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				04/23/24 09:52	04/23/24 13:17	1
1,4-Difluorobenzene (Surr)	91		70 - 130				04/23/24 09:52	04/23/24 13:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/23/24 13:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/23/24 21:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/23/24 10:06	04/23/24 21:44	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/23/24 10:06	04/23/24 21:44	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/23/24 10:06	04/23/24 21:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130				04/23/24 10:06	04/23/24 21:44	1
o-Terphenyl	116		70 - 130				04/23/24 10:06	04/23/24 21:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18.8		5.00		mg/Kg			04/24/24 04:57	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42577-1
SDG: Lea County, NM

Client Sample ID: CS- 102 (4.0')

Lab Sample ID: 880-42577-5

Date Collected: 04/22/24 00:00

Matrix: Solid

Date Received: 04/23/24 09:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/23/24 09:52	04/23/24 13:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/23/24 09:52	04/23/24 13:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/23/24 09:52	04/23/24 13:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/23/24 09:52	04/23/24 13:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/23/24 09:52	04/23/24 13:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/23/24 09:52	04/23/24 13:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	04/23/24 09:52	04/23/24 13:37	1
1,4-Difluorobenzene (Surr)	92		70 - 130	04/23/24 09:52	04/23/24 13:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			04/23/24 13:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			04/23/24 22:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		04/23/24 10:06	04/23/24 22:05	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		04/23/24 10:06	04/23/24 22:05	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		04/23/24 10:06	04/23/24 22:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	133	S1+	70 - 130	04/23/24 10:06	04/23/24 22:05	1
o-Terphenyl	117		70 - 130	04/23/24 10:06	04/23/24 22:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	77.8		5.04		mg/Kg			04/24/24 05:02	1

Client Sample ID: SW-8 (4.0')

Lab Sample ID: 880-42577-6

Date Collected: 04/22/24 00:00

Matrix: Solid

Date Received: 04/23/24 09:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/23/24 09:52	04/23/24 13:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/23/24 09:52	04/23/24 13:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/23/24 09:52	04/23/24 13:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/23/24 09:52	04/23/24 13:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/23/24 09:52	04/23/24 13:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/23/24 09:52	04/23/24 13:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	04/23/24 09:52	04/23/24 13:57	1
1,4-Difluorobenzene (Surr)	93		70 - 130	04/23/24 09:52	04/23/24 13:57	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42577-1
SDG: Lea County, NM

Client Sample ID: SW-8 (4.0')

Lab Sample ID: 880-42577-6

Date Collected: 04/22/24 00:00

Matrix: Solid

Date Received: 04/23/24 09:33

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/23/24 13:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			04/23/24 22:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		04/23/24 10:06	04/23/24 22:26	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		04/23/24 10:06	04/23/24 22:26	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		04/23/24 10:06	04/23/24 22:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				04/23/24 10:06	04/23/24 22:26	1
o-Terphenyl	111		70 - 130				04/23/24 10:06	04/23/24 22:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	94.8		5.05		mg/Kg			04/24/24 05:07	1

Client Sample ID: SW- 11 (4.0')

Lab Sample ID: 880-42577-7

Date Collected: 04/22/24 00:00

Matrix: Solid

Date Received: 04/23/24 09:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/23/24 09:52	04/23/24 14:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/23/24 09:52	04/23/24 14:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/23/24 09:52	04/23/24 14:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/23/24 09:52	04/23/24 14:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/23/24 09:52	04/23/24 14:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/23/24 09:52	04/23/24 14:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				04/23/24 09:52	04/23/24 14:18	1
1,4-Difluorobenzene (Surr)	92		70 - 130				04/23/24 09:52	04/23/24 14:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/23/24 14:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/23/24 22:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/23/24 10:06	04/23/24 22:47	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/23/24 10:06	04/23/24 22:47	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42577-1
SDG: Lea County, NM

Client Sample ID: SW- 11 (4.0')
Date Collected: 04/22/24 00:00
Date Received: 04/23/24 09:33

Lab Sample ID: 880-42577-7
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/23/24 10:06	04/23/24 22:47	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	144	S1+	70 - 130				04/23/24 10:06	04/23/24 22:47	1	
o-Terphenyl	129		70 - 130				04/23/24 10:06	04/23/24 22:47	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	153		5.03		mg/Kg			04/24/24 05:12	1	

Client Sample ID: SW- 12 (4.0')
Date Collected: 04/22/24 00:00
Date Received: 04/23/24 09:33

Lab Sample ID: 880-42577-8
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		04/23/24 09:52	04/23/24 14:38	1	
Toluene	<0.00202	U	0.00202		mg/Kg		04/23/24 09:52	04/23/24 14:38	1	
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/23/24 09:52	04/23/24 14:38	1	
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/23/24 09:52	04/23/24 14:38	1	
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/23/24 09:52	04/23/24 14:38	1	
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/23/24 09:52	04/23/24 14:38	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	116		70 - 130				04/23/24 09:52	04/23/24 14:38	1	
1,4-Difluorobenzene (Surr)	91		70 - 130				04/23/24 09:52	04/23/24 14:38	1	
Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00404	U	0.00404		mg/Kg			04/23/24 14:38	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<50.0	U	50.0		mg/Kg			04/23/24 23:07	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/23/24 10:06	04/23/24 23:07	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/23/24 10:06	04/23/24 23:07	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/23/24 10:06	04/23/24 23:07	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	127		70 - 130				04/23/24 10:06	04/23/24 23:07	1	
o-Terphenyl	112		70 - 130				04/23/24 10:06	04/23/24 23:07	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	54.3		4.97		mg/Kg			04/24/24 05:26	1	

Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42577-1
SDG: Lea County, NM

Client Sample ID: SW- 13 (4.0')

Lab Sample ID: 880-42577-9

Date Collected: 04/22/24 00:00

Matrix: Solid

Date Received: 04/23/24 09:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/23/24 09:52	04/23/24 14:59	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/23/24 09:52	04/23/24 14:59	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/23/24 09:52	04/23/24 14:59	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/23/24 09:52	04/23/24 14:59	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/23/24 09:52	04/23/24 14:59	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/23/24 09:52	04/23/24 14:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				04/23/24 09:52	04/23/24 14:59	1
1,4-Difluorobenzene (Surr)	92		70 - 130				04/23/24 09:52	04/23/24 14:59	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			04/23/24 14:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/23/24 23:28	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		04/23/24 10:06	04/23/24 23:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/23/24 10:06	04/23/24 23:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/23/24 10:06	04/23/24 23:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	145	S1+	70 - 130				04/23/24 10:06	04/23/24 23:28	1
o-Terphenyl	129		70 - 130				04/23/24 10:06	04/23/24 23:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.6		4.97		mg/Kg			04/24/24 05:31	1

Client Sample ID: SW- 14 (4.0')

Lab Sample ID: 880-42577-10

Date Collected: 04/22/24 00:00

Matrix: Solid

Date Received: 04/23/24 09:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/23/24 09:52	04/23/24 15:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/23/24 09:52	04/23/24 15:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/23/24 09:52	04/23/24 15:19	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/23/24 09:52	04/23/24 15:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/23/24 09:52	04/23/24 15:19	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/23/24 09:52	04/23/24 15:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				04/23/24 09:52	04/23/24 15:19	1
1,4-Difluorobenzene (Surr)	91		70 - 130				04/23/24 09:52	04/23/24 15:19	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42577-1
SDG: Lea County, NM

Client Sample ID: SW- 14 (4.0')

Lab Sample ID: 880-42577-10

Date Collected: 04/22/24 00:00

Matrix: Solid

Date Received: 04/23/24 09:33

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/23/24 15:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			04/23/24 23:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		04/23/24 10:06	04/23/24 23:49	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		04/23/24 10:06	04/23/24 23:49	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/23/24 10:06	04/23/24 23:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130				04/23/24 10:06	04/23/24 23:49	1
o-Terphenyl	113		70 - 130				04/23/24 10:06	04/23/24 23:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18.7		4.98		mg/Kg			04/24/24 05:46	1

Client Sample ID: SW- 15 (4.0')

Lab Sample ID: 880-42577-11

Date Collected: 04/22/24 00:00

Matrix: Solid

Date Received: 04/23/24 09:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/23/24 09:52	04/23/24 16:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/23/24 09:52	04/23/24 16:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/23/24 09:52	04/23/24 16:53	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/23/24 09:52	04/23/24 16:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/23/24 09:52	04/23/24 16:53	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/23/24 09:52	04/23/24 16:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				04/23/24 09:52	04/23/24 16:53	1
1,4-Difluorobenzene (Surr)	93		70 - 130				04/23/24 09:52	04/23/24 16:53	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			04/23/24 16:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/24/24 00:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/23/24 10:06	04/24/24 00:31	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/23/24 10:06	04/24/24 00:31	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42577-1
SDG: Lea County, NM

Client Sample ID: SW- 15 (4.0')

Lab Sample ID: 880-42577-11

Date Collected: 04/22/24 00:00

Matrix: Solid

Date Received: 04/23/24 09:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/23/24 10:06	04/24/24 00:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130				04/23/24 10:06	04/24/24 00:31	1
o-Terphenyl	114		70 - 130				04/23/24 10:06	04/24/24 00:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.4		5.01		mg/Kg			04/24/24 05:50	1

Client Sample ID: SW- 16 (4.0')

Lab Sample ID: 880-42577-12

Date Collected: 04/22/24 00:00

Matrix: Solid

Date Received: 04/23/24 09:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/23/24 09:52	04/23/24 17:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/23/24 09:52	04/23/24 17:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/23/24 09:52	04/23/24 17:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/23/24 09:52	04/23/24 17:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/23/24 09:52	04/23/24 17:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/23/24 09:52	04/23/24 17:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				04/23/24 09:52	04/23/24 17:13	1
1,4-Difluorobenzene (Surr)	93		70 - 130				04/23/24 09:52	04/23/24 17:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			04/23/24 17:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/24/24 00:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/23/24 10:06	04/24/24 00:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/23/24 10:06	04/24/24 00:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/23/24 10:06	04/24/24 00:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130				04/23/24 10:06	04/24/24 00:52	1
o-Terphenyl	124		70 - 130				04/23/24 10:06	04/24/24 00:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	26.0		5.02		mg/Kg			04/24/24 05:55	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42577-1
SDG: Lea County, NM

Client Sample ID: SW- 17 (4.0')

Lab Sample ID: 880-42577-13

Date Collected: 04/22/24 00:00

Matrix: Solid

Date Received: 04/23/24 09:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/23/24 09:52	04/23/24 17:33	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/23/24 09:52	04/23/24 17:33	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/23/24 09:52	04/23/24 17:33	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/23/24 09:52	04/23/24 17:33	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/23/24 09:52	04/23/24 17:33	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/23/24 09:52	04/23/24 17:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	04/23/24 09:52	04/23/24 17:33	1
1,4-Difluorobenzene (Surr)	92		70 - 130	04/23/24 09:52	04/23/24 17:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			04/23/24 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			04/24/24 01:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/23/24 10:06	04/24/24 01:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/23/24 10:06	04/24/24 01:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/23/24 10:06	04/24/24 01:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	137	S1+	70 - 130	04/23/24 10:06	04/24/24 01:12	1
o-Terphenyl	121		70 - 130	04/23/24 10:06	04/24/24 01:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	52.4		5.04		mg/Kg			04/24/24 06:00	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42577-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-42577-1	CS- 98 (4.0')	116	91
880-42577-1 MS	CS- 98 (4.0')	113	101
880-42577-1 MSD	CS- 98 (4.0')	113	99
880-42577-2	CS- 99 (4.0')	115	91
880-42577-3	CS- 100 (4.0')	117	92
880-42577-4	CS- 101 (4.0')	115	91
880-42577-5	CS- 102 (4.0')	115	92
880-42577-6	SW-8 (4.0')	116	93
880-42577-7	SW- 11 (4.0')	116	92
880-42577-8	SW- 12 (4.0')	116	91
880-42577-9	SW- 13 (4.0')	117	92
880-42577-10	SW- 14 (4.0')	114	91
880-42577-11	SW- 15 (4.0')	116	93
880-42577-12	SW- 16 (4.0')	116	93
880-42577-13	SW- 17 (4.0')	117	92
LCS 880-79035/1-A	Lab Control Sample	112	100
LCSD 880-79035/2-A	Lab Control Sample Dup	112	103
MB 880-79035/5-A	Method Blank	113	89
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-42577-1	CS- 98 (4.0')	131 S1+	117
880-42577-1 MS	CS- 98 (4.0')	131 S1+	108
880-42577-1 MSD	CS- 98 (4.0')	131 S1+	108
880-42577-2	CS- 99 (4.0')	106	93
880-42577-3	CS- 100 (4.0')	137 S1+	122
880-42577-4	CS- 101 (4.0')	130	116
880-42577-5	CS- 102 (4.0')	133 S1+	117
880-42577-6	SW-8 (4.0')	126	111
880-42577-7	SW- 11 (4.0')	144 S1+	129
880-42577-8	SW- 12 (4.0')	127	112
880-42577-9	SW- 13 (4.0')	145 S1+	129
880-42577-10	SW- 14 (4.0')	129	113
880-42577-11	SW- 15 (4.0')	129	114
880-42577-12	SW- 16 (4.0')	138 S1+	124
880-42577-13	SW- 17 (4.0')	137 S1+	121
LCS 880-79037/2-A	Lab Control Sample	105	108
LCSD 880-79037/3-A	Lab Control Sample Dup	85	91
MB 880-79037/1-A	Method Blank	132 S1+	117
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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QC Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42577-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-79035/5-A

Matrix: Solid

Analysis Batch: 79015

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 79035

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/23/24 09:52	04/23/24 11:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/23/24 09:52	04/23/24 11:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/23/24 09:52	04/23/24 11:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/23/24 09:52	04/23/24 11:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/23/24 09:52	04/23/24 11:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/23/24 09:52	04/23/24 11:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	04/23/24 09:52	04/23/24 11:54	1
1,4-Difluorobenzene (Surr)	89		70 - 130	04/23/24 09:52	04/23/24 11:54	1

Lab Sample ID: LCS 880-79035/1-A

Matrix: Solid

Analysis Batch: 79015

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 79035

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1162		mg/Kg		116	70 - 130
Toluene	0.100	0.1103		mg/Kg		110	70 - 130
Ethylbenzene	0.100	0.1098		mg/Kg		110	70 - 130
m-Xylene & p-Xylene	0.200	0.2235		mg/Kg		112	70 - 130
o-Xylene	0.100	0.1106		mg/Kg		111	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-79035/2-A

Matrix: Solid

Analysis Batch: 79015

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 79035

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1180		mg/Kg		118	70 - 130	2	35
Toluene	0.100	0.1105		mg/Kg		111	70 - 130	0	35
Ethylbenzene	0.100	0.1097		mg/Kg		110	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.2228		mg/Kg		111	70 - 130	0	35
o-Xylene	0.100	0.1104		mg/Kg		110	70 - 130	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-42577-1 MS

Matrix: Solid

Analysis Batch: 79015

Client Sample ID: CS- 98 (4.0')

Prep Type: Total/NA

Prep Batch: 79035

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.100	0.1002		mg/Kg		100	70 - 130
Toluene	<0.00199	U	0.100	0.09715		mg/Kg		97	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42577-1
SDG: Lea County, NM

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

Lab Sample ID: 880-42577-1 MS

Matrix: Solid

Analysis Batch: 79015

Client Sample ID: CS- 98 (4.0')

Prep Type: Total/NA

Prep Batch: 79035

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U	0.100	0.09822		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1970		mg/Kg		98	70 - 130
o-Xylene	<0.00199	U	0.100	0.09940		mg/Kg		99	70 - 130
Surrogate	%Recovery	MS Qualifier	MS Limits						
4-Bromofluorobenzene (Surr)	113		70 - 130						
1,4-Difluorobenzene (Surr)	101		70 - 130						

Lab Sample ID: 880-42577-1 MSD

Matrix: Solid

Analysis Batch: 79015

Client Sample ID: CS- 98 (4.0')

Prep Type: Total/NA

Prep Batch: 79035

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.09080		mg/Kg		91	70 - 130	10	35
Toluene	<0.00199	U	0.100	0.08758		mg/Kg		88	70 - 130	10	35
Ethylbenzene	<0.00199	U	0.100	0.08854		mg/Kg		89	70 - 130	10	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1765		mg/Kg		88	70 - 130	11	35
o-Xylene	<0.00199	U	0.100	0.08988		mg/Kg		90	70 - 130	10	35
Surrogate	%Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	113		70 - 130								
1,4-Difluorobenzene (Surr)	99		70 - 130								

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

Lab Sample ID: MB 880-79037/1-A

Matrix: Solid

Analysis Batch: 79001

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 79037

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/23/24 10:06	04/23/24 18:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/23/24 10:06	04/23/24 18:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/23/24 10:06	04/23/24 18:58	1
Surrogate	%Recovery	MB Qualifier	MB Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130				04/23/24 10:06	04/23/24 18:58	1
o-Terphenyl	117		70 - 130				04/23/24 10:06	04/23/24 18:58	1

Lab Sample ID: LCS 880-79037/2-A

Matrix: Solid

Analysis Batch: 79001

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 79037

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1064		mg/Kg		106	70 - 130
Diesel Range Organics (Over C10-C28)	1000	966.0		mg/Kg		97	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42577-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-79037/2-A
Matrix: Solid
Analysis Batch: 79001

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 79037

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	108		70 - 130

Lab Sample ID: LCSD 880-79037/3-A
Matrix: Solid
Analysis Batch: 79001

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 79037

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1026		mg/Kg		103	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	942.0		mg/Kg		94	70 - 130	3	20
Surrogate	%Recovery	LCSD	LCSD						
1-Chlorooctane	85								
o-Terphenyl	91								

Lab Sample ID: 880-42577-1 MS
Matrix: Solid
Analysis Batch: 79001

Client Sample ID: CS- 98 (4.0')
Prep Type: Total/NA
Prep Batch: 79037

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	995	1269		mg/Kg		126	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	995	950.0		mg/Kg		95	70 - 130		
Surrogate	%Recovery	MS	MS								
1-Chlorooctane	131	S1+									
o-Terphenyl	108										

Lab Sample ID: 880-42577-1 MSD
Matrix: Solid
Analysis Batch: 79001

Client Sample ID: CS- 98 (4.0')
Prep Type: Total/NA
Prep Batch: 79037

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	995	1253		mg/Kg		124	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U	995	957.4		mg/Kg		96	70 - 130	1	20
Surrogate	%Recovery	MSD	MSD								
1-Chlorooctane	131	S1+									
o-Terphenyl	108										

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QC Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42577-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-79132/1-A Matrix: Solid Analysis Batch: 79157										Client Sample ID: Method Blank Prep Type: Soluble	
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Chloride	<5.00	U	5.00		mg/Kg			04/24/24 03:49	1		

Lab Sample ID: LCS 880-79132/2-A Matrix: Solid Analysis Batch: 79157										Client Sample ID: Lab Control Sample Prep Type: Soluble	
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	242.9		mg/Kg		97	90 - 110		

Lab Sample ID: LCSD 880-79132/3-A Matrix: Solid Analysis Batch: 79157										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	243.2		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-42577-7 MS Matrix: Solid Analysis Batch: 79157										Client Sample ID: SW- 11 (4.0') Prep Type: Soluble	
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	153		252	416.7		mg/Kg		105	90 - 110		

Lab Sample ID: 880-42577-7 MSD Matrix: Solid Analysis Batch: 79157										Client Sample ID: SW- 11 (4.0') Prep Type: Soluble	
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	153		252	415.7		mg/Kg		105	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42577-1
SDG: Lea County, NM

GC VOA

Analysis Batch: 79015

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42577-1	CS- 98 (4.0')	Total/NA	Solid	8021B	79035
880-42577-2	CS- 99 (4.0')	Total/NA	Solid	8021B	79035
880-42577-3	CS- 100 (4.0')	Total/NA	Solid	8021B	79035
880-42577-4	CS- 101 (4.0')	Total/NA	Solid	8021B	79035
880-42577-5	CS- 102 (4.0')	Total/NA	Solid	8021B	79035
880-42577-6	SW-8 (4.0')	Total/NA	Solid	8021B	79035
880-42577-7	SW- 11 (4.0')	Total/NA	Solid	8021B	79035
880-42577-8	SW- 12 (4.0')	Total/NA	Solid	8021B	79035
880-42577-9	SW- 13 (4.0')	Total/NA	Solid	8021B	79035
880-42577-10	SW- 14 (4.0')	Total/NA	Solid	8021B	79035
880-42577-11	SW- 15 (4.0')	Total/NA	Solid	8021B	79035
880-42577-12	SW- 16 (4.0')	Total/NA	Solid	8021B	79035
880-42577-13	SW- 17 (4.0')	Total/NA	Solid	8021B	79035
MB 880-79035/5-A	Method Blank	Total/NA	Solid	8021B	79035
LCS 880-79035/1-A	Lab Control Sample	Total/NA	Solid	8021B	79035
LCSD 880-79035/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	79035
880-42577-1 MS	CS- 98 (4.0')	Total/NA	Solid	8021B	79035
880-42577-1 MSD	CS- 98 (4.0')	Total/NA	Solid	8021B	79035

Prep Batch: 79035

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42577-1	CS- 98 (4.0')	Total/NA	Solid	5035	
880-42577-2	CS- 99 (4.0')	Total/NA	Solid	5035	
880-42577-3	CS- 100 (4.0')	Total/NA	Solid	5035	
880-42577-4	CS- 101 (4.0')	Total/NA	Solid	5035	
880-42577-5	CS- 102 (4.0')	Total/NA	Solid	5035	
880-42577-6	SW-8 (4.0')	Total/NA	Solid	5035	
880-42577-7	SW- 11 (4.0')	Total/NA	Solid	5035	
880-42577-8	SW- 12 (4.0')	Total/NA	Solid	5035	
880-42577-9	SW- 13 (4.0')	Total/NA	Solid	5035	
880-42577-10	SW- 14 (4.0')	Total/NA	Solid	5035	
880-42577-11	SW- 15 (4.0')	Total/NA	Solid	5035	
880-42577-12	SW- 16 (4.0')	Total/NA	Solid	5035	
880-42577-13	SW- 17 (4.0')	Total/NA	Solid	5035	
MB 880-79035/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-79035/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-79035/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-42577-1 MS	CS- 98 (4.0')	Total/NA	Solid	5035	
880-42577-1 MSD	CS- 98 (4.0')	Total/NA	Solid	5035	

Analysis Batch: 79238

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42577-1	CS- 98 (4.0')	Total/NA	Solid	Total BTEX	
880-42577-2	CS- 99 (4.0')	Total/NA	Solid	Total BTEX	
880-42577-3	CS- 100 (4.0')	Total/NA	Solid	Total BTEX	
880-42577-4	CS- 101 (4.0')	Total/NA	Solid	Total BTEX	
880-42577-5	CS- 102 (4.0')	Total/NA	Solid	Total BTEX	
880-42577-6	SW-8 (4.0')	Total/NA	Solid	Total BTEX	
880-42577-7	SW- 11 (4.0')	Total/NA	Solid	Total BTEX	
880-42577-8	SW- 12 (4.0')	Total/NA	Solid	Total BTEX	
880-42577-9	SW- 13 (4.0')	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42577-1
SDG: Lea County, NM

GC VOA (Continued)

Analysis Batch: 79238 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42577-10	SW- 14 (4.0')	Total/NA	Solid	Total BTEX	
880-42577-11	SW- 15 (4.0')	Total/NA	Solid	Total BTEX	
880-42577-12	SW- 16 (4.0')	Total/NA	Solid	Total BTEX	
880-42577-13	SW- 17 (4.0')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 79001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42577-1	CS- 98 (4.0')	Total/NA	Solid	8015B NM	79037
880-42577-2	CS- 99 (4.0')	Total/NA	Solid	8015B NM	79037
880-42577-3	CS- 100 (4.0')	Total/NA	Solid	8015B NM	79037
880-42577-4	CS- 101 (4.0')	Total/NA	Solid	8015B NM	79037
880-42577-5	CS- 102 (4.0')	Total/NA	Solid	8015B NM	79037
880-42577-6	SW-8 (4.0')	Total/NA	Solid	8015B NM	79037
880-42577-7	SW- 11 (4.0')	Total/NA	Solid	8015B NM	79037
880-42577-8	SW- 12 (4.0')	Total/NA	Solid	8015B NM	79037
880-42577-9	SW- 13 (4.0')	Total/NA	Solid	8015B NM	79037
880-42577-10	SW- 14 (4.0')	Total/NA	Solid	8015B NM	79037
880-42577-11	SW- 15 (4.0')	Total/NA	Solid	8015B NM	79037
880-42577-12	SW- 16 (4.0')	Total/NA	Solid	8015B NM	79037
880-42577-13	SW- 17 (4.0')	Total/NA	Solid	8015B NM	79037
MB 880-79037/1-A	Method Blank	Total/NA	Solid	8015B NM	79037
LCS 880-79037/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	79037
LCSD 880-79037/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	79037
880-42577-1 MS	CS- 98 (4.0')	Total/NA	Solid	8015B NM	79037
880-42577-1 MSD	CS- 98 (4.0')	Total/NA	Solid	8015B NM	79037

Prep Batch: 79037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42577-1	CS- 98 (4.0')	Total/NA	Solid	8015NM Prep	
880-42577-2	CS- 99 (4.0')	Total/NA	Solid	8015NM Prep	
880-42577-3	CS- 100 (4.0')	Total/NA	Solid	8015NM Prep	
880-42577-4	CS- 101 (4.0')	Total/NA	Solid	8015NM Prep	
880-42577-5	CS- 102 (4.0')	Total/NA	Solid	8015NM Prep	
880-42577-6	SW-8 (4.0')	Total/NA	Solid	8015NM Prep	
880-42577-7	SW- 11 (4.0')	Total/NA	Solid	8015NM Prep	
880-42577-8	SW- 12 (4.0')	Total/NA	Solid	8015NM Prep	
880-42577-9	SW- 13 (4.0')	Total/NA	Solid	8015NM Prep	
880-42577-10	SW- 14 (4.0')	Total/NA	Solid	8015NM Prep	
880-42577-11	SW- 15 (4.0')	Total/NA	Solid	8015NM Prep	
880-42577-12	SW- 16 (4.0')	Total/NA	Solid	8015NM Prep	
880-42577-13	SW- 17 (4.0')	Total/NA	Solid	8015NM Prep	
MB 880-79037/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-79037/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-79037/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-42577-1 MS	CS- 98 (4.0')	Total/NA	Solid	8015NM Prep	
880-42577-1 MSD	CS- 98 (4.0')	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42577-1
SDG: Lea County, NM

GC Semi VOA

Analysis Batch: 79182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42577-1	CS- 98 (4.0')	Total/NA	Solid	8015 NM	
880-42577-2	CS- 99 (4.0')	Total/NA	Solid	8015 NM	
880-42577-3	CS- 100 (4.0')	Total/NA	Solid	8015 NM	
880-42577-4	CS- 101 (4.0')	Total/NA	Solid	8015 NM	
880-42577-5	CS- 102 (4.0')	Total/NA	Solid	8015 NM	
880-42577-6	SW-8 (4.0')	Total/NA	Solid	8015 NM	
880-42577-7	SW- 11 (4.0')	Total/NA	Solid	8015 NM	
880-42577-8	SW- 12 (4.0')	Total/NA	Solid	8015 NM	
880-42577-9	SW- 13 (4.0')	Total/NA	Solid	8015 NM	
880-42577-10	SW- 14 (4.0')	Total/NA	Solid	8015 NM	
880-42577-11	SW- 15 (4.0')	Total/NA	Solid	8015 NM	
880-42577-12	SW- 16 (4.0')	Total/NA	Solid	8015 NM	
880-42577-13	SW- 17 (4.0')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 79132

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42577-1	CS- 98 (4.0')	Soluble	Solid	DI Leach	
880-42577-2	CS- 99 (4.0')	Soluble	Solid	DI Leach	
880-42577-3	CS- 100 (4.0')	Soluble	Solid	DI Leach	
880-42577-4	CS- 101 (4.0')	Soluble	Solid	DI Leach	
880-42577-5	CS- 102 (4.0')	Soluble	Solid	DI Leach	
880-42577-6	SW-8 (4.0')	Soluble	Solid	DI Leach	
880-42577-7	SW- 11 (4.0')	Soluble	Solid	DI Leach	
880-42577-8	SW- 12 (4.0')	Soluble	Solid	DI Leach	
880-42577-9	SW- 13 (4.0')	Soluble	Solid	DI Leach	
880-42577-10	SW- 14 (4.0')	Soluble	Solid	DI Leach	
880-42577-11	SW- 15 (4.0')	Soluble	Solid	DI Leach	
880-42577-12	SW- 16 (4.0')	Soluble	Solid	DI Leach	
880-42577-13	SW- 17 (4.0')	Soluble	Solid	DI Leach	
MB 880-79132/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-79132/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-79132/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-42577-7 MS	SW- 11 (4.0')	Soluble	Solid	DI Leach	
880-42577-7 MSD	SW- 11 (4.0')	Soluble	Solid	DI Leach	

Analysis Batch: 79157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42577-1	CS- 98 (4.0')	Soluble	Solid	300.0	79132
880-42577-2	CS- 99 (4.0')	Soluble	Solid	300.0	79132
880-42577-3	CS- 100 (4.0')	Soluble	Solid	300.0	79132
880-42577-4	CS- 101 (4.0')	Soluble	Solid	300.0	79132
880-42577-5	CS- 102 (4.0')	Soluble	Solid	300.0	79132
880-42577-6	SW-8 (4.0')	Soluble	Solid	300.0	79132
880-42577-7	SW- 11 (4.0')	Soluble	Solid	300.0	79132
880-42577-8	SW- 12 (4.0')	Soluble	Solid	300.0	79132
880-42577-9	SW- 13 (4.0')	Soluble	Solid	300.0	79132
880-42577-10	SW- 14 (4.0')	Soluble	Solid	300.0	79132
880-42577-11	SW- 15 (4.0')	Soluble	Solid	300.0	79132
880-42577-12	SW- 16 (4.0')	Soluble	Solid	300.0	79132

QC Association Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42577-1
SDG: Lea County, NM

HPLC/IC (Continued)

Analysis Batch: 79157 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42577-13	SW- 17 (4.0')	Soluble	Solid	300.0	79132
MB 880-79132/1-A	Method Blank	Soluble	Solid	300.0	79132
LCS 880-79132/2-A	Lab Control Sample	Soluble	Solid	300.0	79132
LCSD 880-79132/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	79132
880-42577-7 MS	SW- 11 (4.0')	Soluble	Solid	300.0	79132
880-42577-7 MSD	SW- 11 (4.0')	Soluble	Solid	300.0	79132

Lab Chronicle

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42577-1
SDG: Lea County, NM

Client Sample ID: CS- 98 (4.0')

Lab Sample ID: 880-42577-1

Date Collected: 04/22/24 00:00

Matrix: Solid

Date Received: 04/23/24 09:33

Prep 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	79035	04/23/24 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79015	04/23/24 12:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79238	04/23/24 12:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			79182	04/23/24 20:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	79037	04/23/24 10:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79001	04/23/24 20:00	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	79132	04/23/24 15:23	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79157	04/24/24 04:33	SMC	EET MID

Client Sample ID: CS- 99 (4.0')

Lab Sample ID: 880-42577-2

Date Collected: 04/22/24 00:00

Matrix: Solid

Date Received: 04/23/24 09:33

Prep 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	79035	04/23/24 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79015	04/23/24 12:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79238	04/23/24 12:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			79182	04/23/24 21:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	79037	04/23/24 10:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79001	04/23/24 21:03	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	79132	04/23/24 15:23	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79157	04/24/24 04:48	SMC	EET MID

Client Sample ID: CS- 100 (4.0')

Lab Sample ID: 880-42577-3

Date Collected: 04/22/24 00:00

Matrix: Solid

Date Received: 04/23/24 09:33

Prep 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	79035	04/23/24 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79015	04/23/24 12:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79238	04/23/24 12:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			79182	04/23/24 21:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	79037	04/23/24 10:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79001	04/23/24 21:24	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	79132	04/23/24 15:23	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79157	04/24/24 04:52	SMC	EET MID

Client Sample ID: CS- 101 (4.0')

Lab Sample ID: 880-42577-4

Date Collected: 04/22/24 00:00

Matrix: Solid

Date Received: 04/23/24 09:33

Prep 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	79035	04/23/24 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79015	04/23/24 13:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79238	04/23/24 13:17	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42577-1
SDG: Lea County, NM

Client Sample ID: CS- 101 (4.0')

Lab Sample ID: 880-42577-4

Date Collected: 04/22/24 00:00

Matrix: Solid

Date Received: 04/23/24 09:33

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			79182	04/23/24 21:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	79037	04/23/24 10:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79001	04/23/24 21:44	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	79132	04/23/24 15:23	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79157	04/24/24 04:57	SMC	EET MID

Client Sample ID: CS- 102 (4.0')

Lab Sample ID: 880-42577-5

Date Collected: 04/22/24 00:00

Matrix: Solid

Date Received: 04/23/24 09:33

Prep 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	79035	04/23/24 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79015	04/23/24 13:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79238	04/23/24 13:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			79182	04/23/24 22:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	79037	04/23/24 10:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79001	04/23/24 22:05	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	79132	04/23/24 15:23	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79157	04/24/24 05:02	SMC	EET MID

Client Sample ID: SW-8 (4.0')

Lab Sample ID: 880-42577-6

Date Collected: 04/22/24 00:00

Matrix: Solid

Date Received: 04/23/24 09:33

Prep 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	79035	04/23/24 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79015	04/23/24 13:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79238	04/23/24 13:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			79182	04/23/24 22:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	79037	04/23/24 10:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79001	04/23/24 22:26	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	79132	04/23/24 15:23	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79157	04/24/24 05:07	SMC	EET MID

Client Sample ID: SW- 11 (4.0')

Lab Sample ID: 880-42577-7

Date Collected: 04/22/24 00:00

Matrix: Solid

Date Received: 04/23/24 09:33

Prep 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	79035	04/23/24 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79015	04/23/24 14:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79238	04/23/24 14:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			79182	04/23/24 22:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	79037	04/23/24 10:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79001	04/23/24 22:47	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42577-1
SDG: Lea County, NM

Client Sample ID: SW- 11 (4.0')

Lab Sample ID: 880-42577-7

Date Collected: 04/22/24 00:00

Matrix: Solid

Date Received: 04/23/24 09:33

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	79132	04/23/24 15:23	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79157	04/24/24 05:12	SMC	EET MID

Client Sample ID: SW- 12 (4.0')

Lab Sample ID: 880-42577-8

Date Collected: 04/22/24 00:00

Matrix: Solid

Date Received: 04/23/24 09:33

Prep 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	79035	04/23/24 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79015	04/23/24 14:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79238	04/23/24 14:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			79182	04/23/24 23:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	79037	04/23/24 10:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79001	04/23/24 23:07	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	79132	04/23/24 15:23	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79157	04/24/24 05:26	SMC	EET MID

Client Sample ID: SW- 13 (4.0')

Lab Sample ID: 880-42577-9

Date Collected: 04/22/24 00:00

Matrix: Solid

Date Received: 04/23/24 09:33

Prep 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	79035	04/23/24 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79015	04/23/24 14:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79238	04/23/24 14:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			79182	04/23/24 23:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	79037	04/23/24 10:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79001	04/23/24 23:28	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	79132	04/23/24 15:23	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79157	04/24/24 05:31	SMC	EET MID

Client Sample ID: SW- 14 (4.0')

Lab Sample ID: 880-42577-10

Date Collected: 04/22/24 00:00

Matrix: Solid

Date Received: 04/23/24 09:33

Prep 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	79035	04/23/24 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79015	04/23/24 15:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79238	04/23/24 15:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			79182	04/23/24 23:49	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	79037	04/23/24 10:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79001	04/23/24 23:49	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	79132	04/23/24 15:23	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79157	04/24/24 05:46	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42577-1
SDG: Lea County, NM

Client Sample ID: SW- 15 (4.0')

Lab Sample ID: 880-42577-11

Date Collected: 04/22/24 00:00

Matrix: Solid

Date Received: 04/23/24 09:33

Prep 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	79035	04/23/24 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79015	04/23/24 16:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79238	04/23/24 16:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			79182	04/24/24 00:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	79037	04/23/24 10:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79001	04/24/24 00:31	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	79132	04/23/24 15:23	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79157	04/24/24 05:50	SMC	EET MID

Client Sample ID: SW- 16 (4.0')

Lab Sample ID: 880-42577-12

Date Collected: 04/22/24 00:00

Matrix: Solid

Date Received: 04/23/24 09:33

Prep 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	79035	04/23/24 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79015	04/23/24 17:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79238	04/23/24 17:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			79182	04/24/24 00:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	79037	04/23/24 10:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79001	04/24/24 00:52	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	79132	04/23/24 15:23	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79157	04/24/24 05:55	SMC	EET MID

Client Sample ID: SW- 17 (4.0')

Lab Sample ID: 880-42577-13

Date Collected: 04/22/24 00:00

Matrix: Solid

Date Received: 04/23/24 09:33

Prep 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	79035	04/23/24 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79015	04/23/24 17:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79238	04/23/24 17:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			79182	04/24/24 01:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	79037	04/23/24 10:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79001	04/24/24 01:12	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	79132	04/23/24 15:23	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79157	04/24/24 06:00	SMC	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: Berry 2 SWD (11.27.2023)

Job ID: 880-42577-1
SDG: Lea County, NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42577-1
SDG: Lea County, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42577-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-42577-1	CS- 98 (4.0')	Solid	04/22/24 00:00	04/23/24 09:33
880-42577-2	CS- 99 (4.0')	Solid	04/22/24 00:00	04/23/24 09:33
880-42577-3	CS- 100 (4.0')	Solid	04/22/24 00:00	04/23/24 09:33
880-42577-4	CS- 101 (4.0')	Solid	04/22/24 00:00	04/23/24 09:33
880-42577-5	CS- 102 (4.0')	Solid	04/22/24 00:00	04/23/24 09:33
880-42577-6	SW-8 (4.0')	Solid	04/22/24 00:00	04/23/24 09:33
880-42577-7	SW- 11 (4.0')	Solid	04/22/24 00:00	04/23/24 09:33
880-42577-8	SW- 12 (4.0')	Solid	04/22/24 00:00	04/23/24 09:33
880-42577-9	SW- 13 (4.0')	Solid	04/22/24 00:00	04/23/24 09:33
880-42577-10	SW- 14 (4.0')	Solid	04/22/24 00:00	04/23/24 09:33
880-42577-11	SW- 15 (4.0')	Solid	04/22/24 00:00	04/23/24 09:33
880-42577-12	SW- 16 (4.0')	Solid	04/22/24 00:00	04/23/24 09:33
880-42577-13	SW- 17 (4.0')	Solid	04/22/24 00:00	04/23/24 09:33



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22 SOI



880-42577 Chain of Custody

Project Manager	Ashton Thielke	Bill to (if different)	Carmona Resources
Company Name	Carmona Resources	Company Name	
Address	310 West Wall Ste 500	Address	
City, State ZIP	Midland TX 79701	City, State ZIP	
Phone	432-813-8988	Email	thielke@carmonaresources.com
Work Order Comments Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐ State of Project Reporting Level II ☐ Level III ☐ PST/UST ☐ RRP ☐ Level IV ☐ Deliverables: EDD ☐ ADAPT ☐ Other			

Project Name	Berry 2 SWD (11 27 2023)	Turn Around	☐ Routine ☒ Rush	Pres. Code	ANALYSIS REQUEST										Preservative Codes				
Project Number	2338	Due Date	48 hrs													None NO	DI Water H ₂ O		
Project Location	Lee County NM															Cool Cool	MeOH Me		
Sampler's Name	GP J															HCL HC	HNO ₃ HN		
PO #																H ₂ SO ₄ H ₂	NaOH Na		
SAMPLE RECEIPT				Temp Blank	Yes ☒ No ☐	Wet Ice	Yes ☒ No ☐	Parameters										HOLD	
Received Intact:	Yes ☒ No ☐	Thermometer ID	1188											NaHSO ₄ NABIS					
Cooler Custody Seals:	Yes ☒ No ☐ N/A	Correction Factor	0.3											Na ₂ S ₂ O ₃ NaSO ₃					
Sample Custody Seals:	Yes ☒ No ☐ N/A	Temperature Reading	0.3											Zn Acetate+NaOH Zn					
Total Containers		Corrected Temperature	0.2											NaOH+Ascorbic Acid SAPC					
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments		
CS-98 (4 0)	4/22/2024		X		C	1	X	X	X										
CS-99 (4 0)	4/22/2024		X		C	1	X	X	X										
CS-100 (4 0)	4/22/2024		X		C	1	X	X	X										
CS-101 (4 0)	4/22/2024		X		C	1	X	X	X										
CS-102 (4 0)	4/22/2024		X		C	1	X	X	X										
SW-8 (4 0)	4/22/2024		X		C	1	X	X	X										
SW-11 (4 0)	4/22/2024		X		C	1	X	X	X										
SW-12 (4 0)	4/22/2024		X		C	1	X	X	X										
SW-13 (4 0)	4/22/2024		X		C	1	X	X	X										
SW-14 (4 0)	4/22/2024		X		C	1	X	X	X										

Please send results to cmoehting@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
<i>Carmona Resources</i>	<i>[Signature]</i>	4-23-24 832			

Revised Date 090 7020 Rev 2020

Project Manager	Ashton Thielke	Bill to (if different)	Carmona Resources
Company Name	Carmona Resources	Company Name	
Address	310 West Wall Ste 500	Address	
City, State ZIP	Midland TX 79701	City State ZIP	
Phone.	432-813-8988	Email	thielkea@carmonaresources.com

Work Order Comments

Program ☐ UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project.

Reporting Level II ☐ Level III ☐ PST/UST ☐ FRP ☐ Level IV ☐

Deliverables. EDD ☐ ADAPT ☐ Other ☐

Work Order No: 425177

[illegible]

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1 <i>Alana West</i>	<i>John West</i>	4-23-2009			
3					
5					

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-42577-1

SDG Number: Lea County, NM

Login Number: 42577

List Number: 1

List Source: Eurofins Midland

Creator: Vasquez, Julisa

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/26/2024 1:09:11 PM

JOB DESCRIPTION

Berry 2 SWD (11.27.2023)
Lea County, NM

JOB NUMBER

880-42635-1

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
4/26/2024 1:09:11 PM

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

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Laboratory Job ID: 880-42635-1
SDG: Lea County, NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42635-1
SDG: Lea County, NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Berry 2 SWD (11.27.2023)

Job ID: 880-42635-1

Job ID: 880-42635-1

Eurofins Midland

Job Narrative 880-42635-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

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

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

Receipt

The samples were received on 4/24/2024 9:01 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.5°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SW-9 (4.0') (880-42635-1), SW-10 (4.0') (880-42635-2), SW-18 (4.0') (880-42635-3), SW-19 (4.0') (880-42635-4), SW-20 (3.5') (880-42635-5), SW-21 (4.0') (880-42635-6) and SW-22 (3.5') (880-42635-7).

GC VOA

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (MB 880-79217/1-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-79249 and analytical batch 880-79255 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.

SW-9 (4.0') (880-42635-1) and SW-10 (4.0') (880-42635-2)

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

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42635-1
SDG: Lea County, NM

Client Sample ID: SW-9 (4.0')

Lab Sample ID: 880-42635-1

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/24/24 09:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/24/24 09:30	04/24/24 12:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/24/24 09:30	04/24/24 12:15	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/24/24 09:30	04/24/24 12:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/24/24 09:30	04/24/24 12:15	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/24/24 09:30	04/24/24 12:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/24/24 09:30	04/24/24 12:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				04/24/24 09:30	04/24/24 12:15	1
1,4-Difluorobenzene (Surr)	94		70 - 130				04/24/24 09:30	04/24/24 12:15	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			04/24/24 12:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/25/24 09:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/24/24 09:50	04/25/24 09:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/24/24 09:50	04/25/24 09:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/24/24 09:50	04/25/24 09:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				04/24/24 09:50	04/25/24 09:47	1
o-Terphenyl	92		70 - 130				04/24/24 09:50	04/25/24 09:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	110		4.98		mg/Kg			04/24/24 21:03	1

Client Sample ID: SW-10 (4.0')

Lab Sample ID: 880-42635-2

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/24/24 09:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/24/24 09:30	04/24/24 12:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/24/24 09:30	04/24/24 12:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/24/24 09:30	04/24/24 12:36	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/24/24 09:30	04/24/24 12:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/24/24 09:30	04/24/24 12:36	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/24/24 09:30	04/24/24 12:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				04/24/24 09:30	04/24/24 12:36	1
1,4-Difluorobenzene (Surr)	92		70 - 130				04/24/24 09:30	04/24/24 12:36	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42635-1
SDG: Lea County, NM

Client Sample ID: SW-10 (4.0')
Date Collected: 04/23/24 00:00
Date Received: 04/24/24 09:01

Lab Sample ID: 880-42635-2
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/24/24 12:36	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.8	U	49.8		mg/Kg			04/25/24 13:18	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/24/24 09:50	04/25/24 13:18	1	
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/24/24 09:50	04/25/24 13:18	1	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/24/24 09:50	04/25/24 13:18	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	97		70 - 130				04/24/24 09:50	04/25/24 13:18	1	
o-Terphenyl	90		70 - 130				04/24/24 09:50	04/25/24 13:18	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	230		5.04		mg/Kg			04/24/24 21:09	1	

Client Sample ID: SW-18 (4.0')
Date Collected: 04/23/24 00:00
Date Received: 04/24/24 09:01

Lab Sample ID: 880-42635-3
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		04/24/24 09:30	04/24/24 12:56	1	
Toluene	<0.00202	U	0.00202		mg/Kg		04/24/24 09:30	04/24/24 12:56	1	
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/24/24 09:30	04/24/24 12:56	1	
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/24/24 09:30	04/24/24 12:56	1	
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/24/24 09:30	04/24/24 12:56	1	
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/24/24 09:30	04/24/24 12:56	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	118		70 - 130				04/24/24 09:30	04/24/24 12:56	1	
1,4-Difluorobenzene (Surr)	92		70 - 130				04/24/24 09:30	04/24/24 12:56	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			04/24/24 12:56	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.7	U	49.7		mg/Kg			04/25/24 13:39	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		04/24/24 09:50	04/25/24 13:39	1	
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		04/24/24 09:50	04/25/24 13:39	1	

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42635-1
SDG: Lea County, NM

Client Sample ID: SW-18 (4.0')

Lab Sample ID: 880-42635-3

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/24/24 09:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		04/24/24 09:50	04/25/24 13:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				04/24/24 09:50	04/25/24 13:39	1
o-Terphenyl	90		70 - 130				04/24/24 09:50	04/25/24 13:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	94.7		5.04		mg/Kg			04/24/24 21:15	1

Client Sample ID: SW-19 (4.0')

Lab Sample ID: 880-42635-4

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/24/24 09:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/24/24 09:30	04/24/24 13:17	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/24/24 09:30	04/24/24 13:17	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/24/24 09:30	04/24/24 13:17	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/24/24 09:30	04/24/24 13:17	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/24/24 09:30	04/24/24 13:17	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/24/24 09:30	04/24/24 13:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				04/24/24 09:30	04/24/24 13:17	1
1,4-Difluorobenzene (Surr)	92		70 - 130				04/24/24 09:30	04/24/24 13:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/24/24 13:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/25/24 14:23	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		04/24/24 09:50	04/25/24 14:23	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/24/24 09:50	04/25/24 14:23	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/24/24 09:50	04/25/24 14:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				04/24/24 09:50	04/25/24 14:23	1
o-Terphenyl	92		70 - 130				04/24/24 09:50	04/25/24 14:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	136		4.98		mg/Kg			04/24/24 21:34	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42635-1
SDG: Lea County, NM

Client Sample ID: SW-20 (3.5')
Date Collected: 04/23/24 00:00
Date Received: 04/24/24 09:01

Lab Sample ID: 880-42635-5
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		04/24/24 09:30	04/24/24 13:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/24/24 09:30	04/24/24 13:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/24/24 09:30	04/24/24 13:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/24/24 09:30	04/24/24 13:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/24/24 09:30	04/24/24 13:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/24/24 09:30	04/24/24 13:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				04/24/24 09:30	04/24/24 13:37	1
1,4-Difluorobenzene (Surr)	93		70 - 130				04/24/24 09:30	04/24/24 13:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			04/24/24 13:37	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			04/25/24 14:44	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/24/24 09:50	04/25/24 14:44	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/24/24 09:50	04/25/24 14:44	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/24/24 09:50	04/25/24 14:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				04/24/24 09:50	04/25/24 14:44	1
o-Terphenyl	95		70 - 130				04/24/24 09:50	04/25/24 14:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	83.1		5.00		mg/Kg			04/24/24 21:40	1

Client Sample ID: SW-21 (4.0')
Date Collected: 04/23/24 00:00
Date Received: 04/24/24 09:01

Lab Sample ID: 880-42635-6
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		04/24/24 09:30	04/24/24 13:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/24/24 09:30	04/24/24 13:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/24/24 09:30	04/24/24 13:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/24/24 09:30	04/24/24 13:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/24/24 09:30	04/24/24 13:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/24/24 09:30	04/24/24 13:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				04/24/24 09:30	04/24/24 13:57	1
1,4-Difluorobenzene (Surr)	92		70 - 130				04/24/24 09:30	04/24/24 13:57	1

Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42635-1
SDG: Lea County, NM

Client Sample ID: SW-21 (4.0')

Lab Sample ID: 880-42635-6

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/24/24 09:01

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/24/24 13:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			04/25/24 15:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		04/24/24 09:50	04/25/24 15:05	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		04/24/24 09:50	04/25/24 15:05	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		04/24/24 09:50	04/25/24 15:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				04/24/24 09:50	04/25/24 15:05	1
o-Terphenyl	90		70 - 130				04/24/24 09:50	04/25/24 15:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	207		5.03		mg/Kg			04/24/24 21:58	1

Client Sample ID: SW-22 (3.5')

Lab Sample ID: 880-42635-7

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/24/24 09:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/24/24 09:30	04/24/24 14:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/24/24 09:30	04/24/24 14:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/24/24 09:30	04/24/24 14:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/24/24 09:30	04/24/24 14:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/24/24 09:30	04/24/24 14:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/24/24 09:30	04/24/24 14:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				04/24/24 09:30	04/24/24 14:18	1
1,4-Difluorobenzene (Surr)	92		70 - 130				04/24/24 09:30	04/24/24 14:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/24/24 14:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/25/24 15:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/24/24 09:50	04/25/24 15:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/24/24 09:50	04/25/24 15:27	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42635-1
SDG: Lea County, NM

Client Sample ID: SW-22 (3.5')
Date Collected: 04/23/24 00:00
Date Received: 04/24/24 09:01

Lab Sample ID: 880-42635-7
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/24/24 09:50	04/25/24 15:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				04/24/24 09:50	04/25/24 15:27	1
o-Terphenyl	91		70 - 130				04/24/24 09:50	04/25/24 15:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.5		5.05		mg/Kg			04/24/24 22:05	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42635-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)
Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
880-42635-1	SW-9 (4.0')	118	94				
880-42635-1 MS	SW-9 (4.0')	115	97				
880-42635-1 MSD	SW-9 (4.0')	114	102				
880-42635-2	SW-10 (4.0')	114	92				
880-42635-3	SW-18 (4.0')	118	92				
880-42635-4	SW-19 (4.0')	116	92				
880-42635-5	SW-20 (3.5')	118	93				
880-42635-6	SW-21 (4.0')	115	92				
880-42635-7	SW-22 (3.5')	115	92				
LCS 880-79214/1-A	Lab Control Sample	111	102				
LCSD 880-79214/2-A	Lab Control Sample Dup	111	102				
MB 880-79214/5-A	Method Blank	112	88				
Surrogate Legend							
BFB = 4-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

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

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
880-42635-1	SW-9 (4.0')	99	92				
880-42635-1 MS	SW-9 (4.0')	100	83				
880-42635-1 MSD	SW-9 (4.0')	101	81				
880-42635-2	SW-10 (4.0')	97	90				
880-42635-3	SW-18 (4.0')	98	90				
880-42635-4	SW-19 (4.0')	98	92				
880-42635-5	SW-20 (3.5')	101	95				
880-42635-6	SW-21 (4.0')	101	90				
880-42635-7	SW-22 (3.5')	99	91				
LCS 880-79217/2-A	Lab Control Sample	114	125				
LCSD 880-79217/3-A	Lab Control Sample Dup	102	111				
MB 880-79217/1-A	Method Blank	150 S1+	139 S1+				
Surrogate Legend							
1CO = 1-Chlorooctane							
OTPH = o-Terphenyl							

QC Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42635-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-79214/5-A

Matrix: Solid

Analysis Batch: 79213

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 79214

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/24/24 09:30	04/24/24 11:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/24/24 09:30	04/24/24 11:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/24/24 09:30	04/24/24 11:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/24/24 09:30	04/24/24 11:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/24/24 09:30	04/24/24 11:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/24/24 09:30	04/24/24 11:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	04/24/24 09:30	04/24/24 11:54	1
1,4-Difluorobenzene (Surr)	88		70 - 130	04/24/24 09:30	04/24/24 11:54	1

Lab Sample ID: LCS 880-79214/1-A

Matrix: Solid

Analysis Batch: 79213

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 79214

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1164		mg/Kg		116	70 - 130
Toluene	0.100	0.1094		mg/Kg		109	70 - 130
Ethylbenzene	0.100	0.1090		mg/Kg		109	70 - 130
m-Xylene & p-Xylene	0.200	0.2234		mg/Kg		112	70 - 130
o-Xylene	0.100	0.1102		mg/Kg		110	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 880-79214/2-A

Matrix: Solid

Analysis Batch: 79213

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 79214

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1145		mg/Kg		115	70 - 130	2	35
Toluene	0.100	0.1073		mg/Kg		107	70 - 130	2	35
Ethylbenzene	0.100	0.1066		mg/Kg		107	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2180		mg/Kg		109	70 - 130	2	35
o-Xylene	0.100	0.1077		mg/Kg		108	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-42635-1 MS

Matrix: Solid

Analysis Batch: 79213

Client Sample ID: SW-9 (4.0')

Prep Type: Total/NA

Prep Batch: 79214

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.100	0.1084		mg/Kg		108	70 - 130
Toluene	<0.00199	U	0.100	0.1017		mg/Kg		102	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42635-1
SDG: Lea County, NM

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

Lab Sample ID: 880-42635-1 MS
Matrix: Solid
Analysis Batch: 79213

Client Sample ID: SW-9 (4.0')
Prep Type: Total/NA
Prep Batch: 79214

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U	0.100	0.1005		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2070		mg/Kg		103	70 - 130
o-Xylene	<0.00199	U	0.100	0.1021		mg/Kg		102	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	115		70 - 130						
1,4-Difluorobenzene (Surr)	97		70 - 130						

Lab Sample ID: 880-42635-1 MSD
Matrix: Solid
Analysis Batch: 79213

Client Sample ID: SW-9 (4.0')
Prep Type: Total/NA
Prep Batch: 79214

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.1117		mg/Kg		112	70 - 130	3	35
Toluene	<0.00199	U	0.100	0.1039		mg/Kg		104	70 - 130	2	35
Ethylbenzene	<0.00199	U	0.100	0.1018		mg/Kg		102	70 - 130	1	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2084		mg/Kg		104	70 - 130	1	35
o-Xylene	<0.00199	U	0.100	0.1026		mg/Kg		103	70 - 130	0	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	114		70 - 130								
1,4-Difluorobenzene (Surr)	102		70 - 130								

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

Lab Sample ID: MB 880-79217/1-A
Matrix: Solid
Analysis Batch: 79267

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 79217

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/24/24 09:50	04/25/24 07:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/24/24 09:50	04/25/24 07:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/24/24 09:50	04/25/24 07:21	1
Surrogate	MB %Recovery	MB Qualifier	Limits						
1-Chlorooctane	150	S1+	70 - 130						
o-Terphenyl	139	S1+	70 - 130						

Lab Sample ID: LCS 880-79217/2-A
Matrix: Solid
Analysis Batch: 79267

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 79217

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1081		mg/Kg		108	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1027		mg/Kg		103	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42635-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-79217/2-A
Matrix: Solid
Analysis Batch: 79267

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 79217

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	114		70 - 130
o-Terphenyl	125		70 - 130

Lab Sample ID: LCSD 880-79217/3-A
Matrix: Solid
Analysis Batch: 79267

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 79217

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	926.5		mg/Kg		93	70 - 130	15	20
Diesel Range Organics (Over C10-C28)	1000	986.6		mg/Kg		99	70 - 130	4	20
Surrogate	%Recovery	LCSD	LCSD						
1-Chlorooctane	102								
o-Terphenyl	111								

Lab Sample ID: 880-42635-1 MS
Matrix: Solid
Analysis Batch: 79267

Client Sample ID: SW-9 (4.0')
Prep Type: Total/NA
Prep Batch: 79217

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	1000	881.7		mg/Kg		86	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	1095		mg/Kg		108	70 - 130		
Surrogate	%Recovery	MS	MS								
1-Chlorooctane	100										
o-Terphenyl	83										

Lab Sample ID: 880-42635-1 MSD
Matrix: Solid
Analysis Batch: 79267

Client Sample ID: SW-9 (4.0')
Prep Type: Total/NA
Prep Batch: 79217

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	1000	925.4		mg/Kg		90	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	1101		mg/Kg		109	70 - 130	1	20
Surrogate	%Recovery	MSD	MSD								
1-Chlorooctane	101										
o-Terphenyl	81										

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42635-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-79249/1-A

Matrix: Solid

Analysis Batch: 79255

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/24/24 19:31	1

Lab Sample ID: LCS 880-79249/2-A

Matrix: Solid

Analysis Batch: 79255

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	253.2		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-79249/3-A

Matrix: Solid

Analysis Batch: 79255

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	252.2		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-42635-3 MS

Matrix: Solid

Analysis Batch: 79255

Client Sample ID: SW-18 (4.0')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	94.7		252	360.0		mg/Kg		105	90 - 110

Lab Sample ID: 880-42635-3 MSD

Matrix: Solid

Analysis Batch: 79255

Client Sample ID: SW-18 (4.0')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	94.7		252	360.4		mg/Kg		105	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42635-1
SDG: Lea County, NM

GC VOA

Analysis Batch: 79213

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42635-1	SW-9 (4.0')	Total/NA	Solid	8021B	79214
880-42635-2	SW-10 (4.0')	Total/NA	Solid	8021B	79214
880-42635-3	SW-18 (4.0')	Total/NA	Solid	8021B	79214
880-42635-4	SW-19 (4.0')	Total/NA	Solid	8021B	79214
880-42635-5	SW-20 (3.5')	Total/NA	Solid	8021B	79214
880-42635-6	SW-21 (4.0')	Total/NA	Solid	8021B	79214
880-42635-7	SW-22 (3.5')	Total/NA	Solid	8021B	79214
MB 880-79214/5-A	Method Blank	Total/NA	Solid	8021B	79214
LCS 880-79214/1-A	Lab Control Sample	Total/NA	Solid	8021B	79214
LCSD 880-79214/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	79214
880-42635-1 MS	SW-9 (4.0')	Total/NA	Solid	8021B	79214
880-42635-1 MSD	SW-9 (4.0')	Total/NA	Solid	8021B	79214

Prep Batch: 79214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42635-1	SW-9 (4.0')	Total/NA	Solid	5035	
880-42635-2	SW-10 (4.0')	Total/NA	Solid	5035	
880-42635-3	SW-18 (4.0')	Total/NA	Solid	5035	
880-42635-4	SW-19 (4.0')	Total/NA	Solid	5035	
880-42635-5	SW-20 (3.5')	Total/NA	Solid	5035	
880-42635-6	SW-21 (4.0')	Total/NA	Solid	5035	
880-42635-7	SW-22 (3.5')	Total/NA	Solid	5035	
MB 880-79214/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-79214/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-79214/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-42635-1 MS	SW-9 (4.0')	Total/NA	Solid	5035	
880-42635-1 MSD	SW-9 (4.0')	Total/NA	Solid	5035	

Analysis Batch: 79336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42635-1	SW-9 (4.0')	Total/NA	Solid	Total BTEX	
880-42635-2	SW-10 (4.0')	Total/NA	Solid	Total BTEX	
880-42635-3	SW-18 (4.0')	Total/NA	Solid	Total BTEX	
880-42635-4	SW-19 (4.0')	Total/NA	Solid	Total BTEX	
880-42635-5	SW-20 (3.5')	Total/NA	Solid	Total BTEX	
880-42635-6	SW-21 (4.0')	Total/NA	Solid	Total BTEX	
880-42635-7	SW-22 (3.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 79217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42635-1	SW-9 (4.0')	Total/NA	Solid	8015NM Prep	
880-42635-2	SW-10 (4.0')	Total/NA	Solid	8015NM Prep	
880-42635-3	SW-18 (4.0')	Total/NA	Solid	8015NM Prep	
880-42635-4	SW-19 (4.0')	Total/NA	Solid	8015NM Prep	
880-42635-5	SW-20 (3.5')	Total/NA	Solid	8015NM Prep	
880-42635-6	SW-21 (4.0')	Total/NA	Solid	8015NM Prep	
880-42635-7	SW-22 (3.5')	Total/NA	Solid	8015NM Prep	
MB 880-79217/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-79217/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42635-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Prep Batch: 79217 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-79217/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-42635-1 MS	SW-9 (4.0')	Total/NA	Solid	8015NM Prep	
880-42635-1 MSD	SW-9 (4.0')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 79267

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42635-1	SW-9 (4.0')	Total/NA	Solid	8015B NM	79217
880-42635-2	SW-10 (4.0')	Total/NA	Solid	8015B NM	79217
880-42635-3	SW-18 (4.0')	Total/NA	Solid	8015B NM	79217
880-42635-4	SW-19 (4.0')	Total/NA	Solid	8015B NM	79217
880-42635-5	SW-20 (3.5')	Total/NA	Solid	8015B NM	79217
880-42635-6	SW-21 (4.0')	Total/NA	Solid	8015B NM	79217
880-42635-7	SW-22 (3.5')	Total/NA	Solid	8015B NM	79217
MB 880-79217/1-A	Method Blank	Total/NA	Solid	8015B NM	79217
LCS 880-79217/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	79217
LCSD 880-79217/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	79217
880-42635-1 MS	SW-9 (4.0')	Total/NA	Solid	8015B NM	79217
880-42635-1 MSD	SW-9 (4.0')	Total/NA	Solid	8015B NM	79217

Analysis Batch: 79366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42635-1	SW-9 (4.0')	Total/NA	Solid	8015 NM	
880-42635-2	SW-10 (4.0')	Total/NA	Solid	8015 NM	
880-42635-3	SW-18 (4.0')	Total/NA	Solid	8015 NM	
880-42635-4	SW-19 (4.0')	Total/NA	Solid	8015 NM	
880-42635-5	SW-20 (3.5')	Total/NA	Solid	8015 NM	
880-42635-6	SW-21 (4.0')	Total/NA	Solid	8015 NM	
880-42635-7	SW-22 (3.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 79249

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42635-1	SW-9 (4.0')	Soluble	Solid	DI Leach	
880-42635-2	SW-10 (4.0')	Soluble	Solid	DI Leach	
880-42635-3	SW-18 (4.0')	Soluble	Solid	DI Leach	
880-42635-4	SW-19 (4.0')	Soluble	Solid	DI Leach	
880-42635-5	SW-20 (3.5')	Soluble	Solid	DI Leach	
880-42635-6	SW-21 (4.0')	Soluble	Solid	DI Leach	
880-42635-7	SW-22 (3.5')	Soluble	Solid	DI Leach	
MB 880-79249/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-79249/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-79249/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-42635-3 MS	SW-18 (4.0')	Soluble	Solid	DI Leach	
880-42635-3 MSD	SW-18 (4.0')	Soluble	Solid	DI Leach	

Analysis Batch: 79255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42635-1	SW-9 (4.0')	Soluble	Solid	300.0	79249
880-42635-2	SW-10 (4.0')	Soluble	Solid	300.0	79249
880-42635-3	SW-18 (4.0')	Soluble	Solid	300.0	79249

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42635-1
SDG: Lea County, NM

HPLC/IC (Continued)

Analysis Batch: 79255 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42635-4	SW-19 (4.0')	Soluble	Solid	300.0	79249
880-42635-5	SW-20 (3.5')	Soluble	Solid	300.0	79249
880-42635-6	SW-21 (4.0')	Soluble	Solid	300.0	79249
880-42635-7	SW-22 (3.5')	Soluble	Solid	300.0	79249
MB 880-79249/1-A	Method Blank	Soluble	Solid	300.0	79249
LCS 880-79249/2-A	Lab Control Sample	Soluble	Solid	300.0	79249
LCSD 880-79249/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	79249
880-42635-3 MS	SW-18 (4.0')	Soluble	Solid	300.0	79249
880-42635-3 MSD	SW-18 (4.0')	Soluble	Solid	300.0	79249

Lab Chronicle

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42635-1
SDG: Lea County, NM

Client Sample ID: SW-9 (4.0')

Lab Sample ID: 880-42635-1

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/24/24 09:01

Prep 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	79214	04/24/24 09:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79213	04/24/24 12:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79336	04/24/24 12:15	AJ	EET MID
Total/NA	Analysis	8015 NM		1			79366	04/25/24 09:47	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	79217	04/24/24 09:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79267	04/25/24 09:47	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	79249	04/24/24 14:54	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79255	04/24/24 21:03	SMC	EET MID

Client Sample ID: SW-10 (4.0')

Lab Sample ID: 880-42635-2

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/24/24 09:01

Prep 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	79214	04/24/24 09:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79213	04/24/24 12:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79336	04/24/24 12:36	AJ	EET MID
Total/NA	Analysis	8015 NM		1			79366	04/25/24 13:18	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	79217	04/24/24 09:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79267	04/25/24 13:18	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	79249	04/24/24 14:54	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79255	04/24/24 21:09	SMC	EET MID

Client Sample ID: SW-18 (4.0')

Lab Sample ID: 880-42635-3

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/24/24 09:01

Prep 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	79214	04/24/24 09:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79213	04/24/24 12:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79336	04/24/24 12:56	AJ	EET MID
Total/NA	Analysis	8015 NM		1			79366	04/25/24 13:39	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	79217	04/24/24 09:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79267	04/25/24 13:39	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	79249	04/24/24 14:54	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79255	04/24/24 21:15	SMC	EET MID

Client Sample ID: SW-19 (4.0')

Lab Sample ID: 880-42635-4

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/24/24 09:01

Prep 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	79214	04/24/24 09:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79213	04/24/24 13:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79336	04/24/24 13:17	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42635-1
SDG: Lea County, NM

Client Sample ID: SW-19 (4.0')
Date Collected: 04/23/24 00:00
Date Received: 04/24/24 09:01

Lab Sample ID: 880-42635-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			79366	04/25/24 14:23	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	79217	04/24/24 09:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79267	04/25/24 14:23	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	79249	04/24/24 14:54	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79255	04/24/24 21:34	SMC	EET MID

Client Sample ID: SW-20 (3.5')
Date Collected: 04/23/24 00:00
Date Received: 04/24/24 09:01

Lab Sample ID: 880-42635-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	79214	04/24/24 09:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79213	04/24/24 13:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79336	04/24/24 13:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			79366	04/25/24 14:44	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	79217	04/24/24 09:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79267	04/25/24 14:44	AJ	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	79249	04/24/24 14:54	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79255	04/24/24 21:40	SMC	EET MID

Client Sample ID: SW-21 (4.0')
Date Collected: 04/23/24 00:00
Date Received: 04/24/24 09:01

Lab Sample ID: 880-42635-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	79214	04/24/24 09:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79213	04/24/24 13:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79336	04/24/24 13:57	AJ	EET MID
Total/NA	Analysis	8015 NM		1			79366	04/25/24 15:05	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	79217	04/24/24 09:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79267	04/25/24 15:05	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	79249	04/24/24 14:54	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79255	04/24/24 21:58	SMC	EET MID

Client Sample ID: SW-22 (3.5')
Date Collected: 04/23/24 00:00
Date Received: 04/24/24 09:01

Lab Sample ID: 880-42635-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	79214	04/24/24 09:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79213	04/24/24 14:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79336	04/24/24 14:18	AJ	EET MID
Total/NA	Analysis	8015 NM		1			79366	04/25/24 15:27	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	79217	04/24/24 09:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79267	04/25/24 15:27	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42635-1
SDG: Lea County, NM

Client Sample ID: SW-22 (3.5')
Date Collected: 04/23/24 00:00
Date Received: 04/24/24 09:01

Lab Sample ID: 880-42635-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	79249	04/24/24 14:54	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79255	04/24/24 22:05	SMC	EET MID

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

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Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42635-1
SDG: Lea County, NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42635-1
SDG: Lea County, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

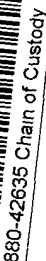
Sample Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42635-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-42635-1	SW-9 (4.0')	Solid	04/23/24 00:00	04/24/24 09:01
880-42635-2	SW-10 (4.0')	Solid	04/23/24 00:00	04/24/24 09:01
880-42635-3	SW-18 (4.0')	Solid	04/23/24 00:00	04/24/24 09:01
880-42635-4	SW-19 (4.0')	Solid	04/23/24 00:00	04/24/24 09:01
880-42635-5	SW-20 (3.5')	Solid	04/23/24 00:00	04/24/24 09:01
880-42635-6	SW-21 (4.0')	Solid	04/23/24 00:00	04/24/24 09:01
880-42635-7	SW-22 (3.5')	Solid	04/23/24 00:00	04/24/24 09:01

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

Project Manager:	Ashton Thielke		Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources		Company Name	
Address:	310 West Wall Ste. 500		Address:	
City, State ZIP:	Midland, TX 79701		City, State ZIP:	
Phone	432-813-8988	Email:	thielkea@carmonarresources.com	

[illegible]

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

	Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1			8/14-24-2024 ²			
3						
4						
5						
6						

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-42635-1
SDG Number: Lea County, NM

Login Number: 42635
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: Ashton Thielke
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 4/26/2024 3:23:00 PM

JOB DESCRIPTION

Berry 2 SWD (11.27.2023)
Lea County, NM

JOB NUMBER

880-42701-1

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
4/26/2024 3:23:00 PM

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

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Laboratory Job ID: 880-42701-1
SDG: Lea County, NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42701-1
SDG: Lea County, 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
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Berry 2 SWD (11.27.2023)

Job ID: 880-42701-1

Job ID: 880-42701-1

Eurofins Midland

Job Narrative
880-42701-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

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

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

Receipt

The samples were received on 4/25/2024 9:25 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.6°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS-103 (2.0' (880-42701-1), CS-104 (2.0' (880-42701-2), CS-105 (2.0' (880-42701-3), SW- 23 (0.5') (880-42701-4), SW- 24 (0.5') (880-42701-5), SW- 25 (0.5') (880-42701-6), SW- 26 (0.5') (880-42701-7), SW- 27 (0.5') (880-42701-8), SW- 28 (0.5') (880-42701-9), SW- 29 (0.5') (880-42701-10), SW- 30 (0.5') (880-42701-11), SW- 31 (2.0') (880-42701-12), SW- 32 (2.0') (880-42701-13), SW- 33 (2.0') (880-42701-14), SW- 34 (2.0') (880-42701-15), SW- 35 (2.0') (880-42701-16), SW- 36 (2.0') (880-42701-17), SW- 37 (0.5') (880-42701-18), SW- 38 (0.5') (880-42701-19), SW- 39 (0.5') (880-42701-20), SW- 40 (0.5') (880-42701-21), SW- 41 (0.5') (880-42701-22), SW- 42 (0.5') (880-42701-23) and SW- 43 (1.5') (880-42701-24).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-79295 and analytical batch 880-79293 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-79295 and analytical batch 880-79293 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: SW- 26 (0.5') (880-42701-7), SW- 28 (0.5') (880-42701-9) and SW- 29 (0.5') (880-42701-10). 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 samples were outside control limits: (MB 880-79217/1-A) and (MB 880-79301/1-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: SW- 25 (0.5') (880-42701-6), SW- 26 (0.5') (880-42701-7), SW- 27 (0.5') (880-42701-8), SW- 28 (0.5') (880-42701-9) and SW- 29 (0.5') (880-42701-10). Percent recoveries are based on the amount spiked.

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

HPLC/IC

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

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42701-1
SDG: Lea County, NM

Client Sample ID: CS-103 (2.0'

Lab Sample ID: 880-42701-1

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/25/24 09:46	04/25/24 12:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/25/24 09:46	04/25/24 12:59	1
Ethylbenzene	<0.00200	U F1	0.00200		mg/Kg		04/25/24 09:46	04/25/24 12:59	1
m-Xylene & p-Xylene	<0.00399	U F1	0.00399		mg/Kg		04/25/24 09:46	04/25/24 12:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/25/24 09:46	04/25/24 12:59	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/25/24 09:46	04/25/24 12:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	04/25/24 09:46	04/25/24 12:59	1
1,4-Difluorobenzene (Surr)	99		70 - 130	04/25/24 09:46	04/25/24 12:59	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/25/24 12:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/25/24 15:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/24/24 09:50	04/25/24 15:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/24/24 09:50	04/25/24 15:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/24/24 09:50	04/25/24 15:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130	04/24/24 09:50	04/25/24 15:48	1
o-Terphenyl	103		70 - 130	04/24/24 09:50	04/25/24 15:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.4		5.02		mg/Kg			04/25/24 17:25	1

Client Sample ID: CS-104 (2.0'

Lab Sample ID: 880-42701-2

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/25/24 09:46	04/25/24 13:19	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/25/24 09:46	04/25/24 13:19	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/25/24 09:46	04/25/24 13:19	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/25/24 09:46	04/25/24 13:19	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/25/24 09:46	04/25/24 13:19	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/25/24 09:46	04/25/24 13:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	04/25/24 09:46	04/25/24 13:19	1
1,4-Difluorobenzene (Surr)	105		70 - 130	04/25/24 09:46	04/25/24 13:19	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42701-1
SDG: Lea County, NM

Client Sample ID: CS-104 (2.0'

Lab Sample ID: 880-42701-2

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 09:25

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/25/24 13:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/25/24 16:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/24/24 09:50	04/25/24 16:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/24/24 09:50	04/25/24 16:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/24/24 09:50	04/25/24 16:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				04/24/24 09:50	04/25/24 16:09	1
o-Terphenyl	86		70 - 130				04/24/24 09:50	04/25/24 16:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22.0		4.99		mg/Kg			04/25/24 17:40	1

Client Sample ID: CS-105 (2.0'

Lab Sample ID: 880-42701-3

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/25/24 09:46	04/25/24 13:40	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/25/24 09:46	04/25/24 13:40	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/25/24 09:46	04/25/24 13:40	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/25/24 09:46	04/25/24 13:40	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/25/24 09:46	04/25/24 13:40	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/25/24 09:46	04/25/24 13:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				04/25/24 09:46	04/25/24 13:40	1
1,4-Difluorobenzene (Surr)	106		70 - 130				04/25/24 09:46	04/25/24 13:40	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/25/24 13:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/25/24 16:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/24/24 09:50	04/25/24 16:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/24/24 09:50	04/25/24 16:31	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42701-1
SDG: Lea County, NM

Client Sample ID: CS-105 (2.0'

Lab Sample ID: 880-42701-3

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/24/24 09:50	04/25/24 16:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				04/24/24 09:50	04/25/24 16:31	1
o-Terphenyl	99		70 - 130				04/24/24 09:50	04/25/24 16:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.6		4.99		mg/Kg			04/25/24 17:44	1

Client Sample ID: SW- 23 (0.5')

Lab Sample ID: 880-42701-4

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/25/24 09:46	04/25/24 14:00	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/25/24 09:46	04/25/24 14:00	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/25/24 09:46	04/25/24 14:00	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/25/24 09:46	04/25/24 14:00	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/25/24 09:46	04/25/24 14:00	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/25/24 09:46	04/25/24 14:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				04/25/24 09:46	04/25/24 14:00	1
1,4-Difluorobenzene (Surr)	106		70 - 130				04/25/24 09:46	04/25/24 14:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/25/24 14:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/25/24 16:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/24/24 09:50	04/25/24 16:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/24/24 09:50	04/25/24 16:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/24/24 09:50	04/25/24 16:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				04/24/24 09:50	04/25/24 16:52	1
o-Terphenyl	89		70 - 130				04/24/24 09:50	04/25/24 16:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	337		4.97		mg/Kg			04/25/24 17:49	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42701-1
SDG: Lea County, NM

Client Sample ID: SW- 24 (0.5')

Lab Sample ID: 880-42701-5

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/25/24 09:46	04/25/24 14:21	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/25/24 09:46	04/25/24 14:21	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/25/24 09:46	04/25/24 14:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/25/24 09:46	04/25/24 14:21	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/25/24 09:46	04/25/24 14:21	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/25/24 09:46	04/25/24 14:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130				04/25/24 09:46	04/25/24 14:21	1
1,4-Difluorobenzene (Surr)	106		70 - 130				04/25/24 09:46	04/25/24 14:21	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/25/24 14:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/25/24 17:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/24/24 09:50	04/25/24 17:14	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/24/24 09:50	04/25/24 17:14	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/24/24 09:50	04/25/24 17:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				04/24/24 09:50	04/25/24 17:14	1
o-Terphenyl	88		70 - 130				04/24/24 09:50	04/25/24 17:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	209		5.00		mg/Kg			04/25/24 17:54	1

Client Sample ID: SW- 25 (0.5')

Lab Sample ID: 880-42701-6

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/25/24 09:46	04/25/24 14:41	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/25/24 09:46	04/25/24 14:41	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/25/24 09:46	04/25/24 14:41	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/25/24 09:46	04/25/24 14:41	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/25/24 09:46	04/25/24 14:41	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/25/24 09:46	04/25/24 14:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				04/25/24 09:46	04/25/24 14:41	1
1,4-Difluorobenzene (Surr)	102		70 - 130				04/25/24 09:46	04/25/24 14:41	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42701-1
SDG: Lea County, NM

Client Sample ID: SW- 25 (0.5')

Lab Sample ID: 880-42701-6

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 09:25

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			04/25/24 14:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/25/24 15:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/25/24 08:21	04/25/24 15:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/25/24 08:21	04/25/24 15:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/25/24 08:21	04/25/24 15:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	51	S1-	70 - 130				04/25/24 08:21	04/25/24 15:48	1
o-Terphenyl	51	S1-	70 - 130				04/25/24 08:21	04/25/24 15:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	402		4.98		mg/Kg			04/25/24 18:09	1

Client Sample ID: SW- 26 (0.5')

Lab Sample ID: 880-42701-7

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/25/24 09:46	04/25/24 15:01	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/25/24 09:46	04/25/24 15:01	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/25/24 09:46	04/25/24 15:01	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		04/25/24 09:46	04/25/24 15:01	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/25/24 09:46	04/25/24 15:01	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/25/24 09:46	04/25/24 15:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	218	S1+	70 - 130				04/25/24 09:46	04/25/24 15:01	1
1,4-Difluorobenzene (Surr)	122		70 - 130				04/25/24 09:46	04/25/24 15:01	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			04/25/24 15:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/25/24 16:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/25/24 08:21	04/25/24 16:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/25/24 08:21	04/25/24 16:09	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42701-1
SDG: Lea County, NM

Client Sample ID: SW- 26 (0.5')

Lab Sample ID: 880-42701-7

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/25/24 08:21	04/25/24 16:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	44	S1-	70 - 130				04/25/24 08:21	04/25/24 16:09	1
o-Terphenyl	41	S1-	70 - 130				04/25/24 08:21	04/25/24 16:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	127		5.03		mg/Kg			04/25/24 18:13	1

Client Sample ID: SW- 27 (0.5')

Lab Sample ID: 880-42701-8

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/25/24 09:46	04/25/24 15:22	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/25/24 09:46	04/25/24 15:22	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/25/24 09:46	04/25/24 15:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/25/24 09:46	04/25/24 15:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/25/24 09:46	04/25/24 15:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/25/24 09:46	04/25/24 15:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				04/25/24 09:46	04/25/24 15:22	1
1,4-Difluorobenzene (Surr)	105		70 - 130				04/25/24 09:46	04/25/24 15:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/25/24 15:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/25/24 16:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/25/24 08:21	04/25/24 16:31	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/25/24 08:21	04/25/24 16:31	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/25/24 08:21	04/25/24 16:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	46	S1-	70 - 130				04/25/24 08:21	04/25/24 16:31	1
o-Terphenyl	48	S1-	70 - 130				04/25/24 08:21	04/25/24 16:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	185		4.99		mg/Kg			04/25/24 18:18	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42701-1
SDG: Lea County, NM

Client Sample ID: SW- 28 (0.5')

Lab Sample ID: 880-42701-9

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/25/24 09:46	04/25/24 15:42	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/25/24 09:46	04/25/24 15:42	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/25/24 09:46	04/25/24 15:42	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		04/25/24 09:46	04/25/24 15:42	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/25/24 09:46	04/25/24 15:42	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		04/25/24 09:46	04/25/24 15:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	148	S1+	70 - 130	04/25/24 09:46	04/25/24 15:42	1
1,4-Difluorobenzene (Surr)	116		70 - 130	04/25/24 09:46	04/25/24 15:42	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			04/25/24 15:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/25/24 16:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/25/24 08:21	04/25/24 16:52	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/25/24 08:21	04/25/24 16:52	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/25/24 08:21	04/25/24 16:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	55	S1-	70 - 130	04/25/24 08:21	04/25/24 16:52	1
o-Terphenyl	52	S1-	70 - 130	04/25/24 08:21	04/25/24 16:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	147		4.99		mg/Kg			04/25/24 18:23	1

Client Sample ID: SW- 29 (0.5')

Lab Sample ID: 880-42701-10

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/25/24 09:46	04/25/24 16:03	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/25/24 09:46	04/25/24 16:03	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/25/24 09:46	04/25/24 16:03	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/25/24 09:46	04/25/24 16:03	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/25/24 09:46	04/25/24 16:03	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/25/24 09:46	04/25/24 16:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	319	S1+	70 - 130	04/25/24 09:46	04/25/24 16:03	1
1,4-Difluorobenzene (Surr)	72		70 - 130	04/25/24 09:46	04/25/24 16:03	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42701-1
SDG: Lea County, NM

Client Sample ID: SW- 29 (0.5')

Lab Sample ID: 880-42701-10

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 09:25

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/25/24 16:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/25/24 17:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/25/24 08:21	04/25/24 17:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/25/24 08:21	04/25/24 17:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/25/24 08:21	04/25/24 17:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	58	S1-	70 - 130				04/25/24 08:21	04/25/24 17:14	1
o-Terphenyl	57	S1-	70 - 130				04/25/24 08:21	04/25/24 17:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.9		5.00		mg/Kg			04/25/24 18:28	1

Client Sample ID: SW- 30 (0.5')

Lab Sample ID: 880-42701-11

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/25/24 09:46	04/25/24 17:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/25/24 09:46	04/25/24 17:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/25/24 09:46	04/25/24 17:53	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/25/24 09:46	04/25/24 17:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/25/24 09:46	04/25/24 17:53	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/25/24 09:46	04/25/24 17:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				04/25/24 09:46	04/25/24 17:53	1
1,4-Difluorobenzene (Surr)	107		70 - 130				04/25/24 09:46	04/25/24 17:53	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			04/25/24 17:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/25/24 19:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/25/24 11:28	04/25/24 19:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/25/24 11:28	04/25/24 19:22	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42701-1
SDG: Lea County, NM

Client Sample ID: SW- 30 (0.5')

Lab Sample ID: 880-42701-11

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/25/24 11:28	04/25/24 19:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				04/25/24 11:28	04/25/24 19:22	1
o-Terphenyl	95		70 - 130				04/25/24 11:28	04/25/24 19:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	125		5.01		mg/Kg			04/25/24 18:33	1

Client Sample ID: SW- 31 (2.0')

Lab Sample ID: 880-42701-12

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/25/24 09:46	04/25/24 18:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/25/24 09:46	04/25/24 18:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/25/24 09:46	04/25/24 18:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/25/24 09:46	04/25/24 18:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/25/24 09:46	04/25/24 18:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/25/24 09:46	04/25/24 18:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				04/25/24 09:46	04/25/24 18:13	1
1,4-Difluorobenzene (Surr)	108		70 - 130				04/25/24 09:46	04/25/24 18:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			04/25/24 18:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/25/24 20:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/25/24 11:28	04/25/24 20:26	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/25/24 11:28	04/25/24 20:26	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/25/24 11:28	04/25/24 20:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				04/25/24 11:28	04/25/24 20:26	1
o-Terphenyl	96		70 - 130				04/25/24 11:28	04/25/24 20:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	114		5.04		mg/Kg			04/25/24 18:47	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42701-1
SDG: Lea County, NM

Client Sample ID: SW- 32 (2.0')

Lab Sample ID: 880-42701-13

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/25/24 09:46	04/25/24 18:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/25/24 09:46	04/25/24 18:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/25/24 09:46	04/25/24 18:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/25/24 09:46	04/25/24 18:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/25/24 09:46	04/25/24 18:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/25/24 09:46	04/25/24 18:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				04/25/24 09:46	04/25/24 18:34	1
1,4-Difluorobenzene (Surr)	103		70 - 130				04/25/24 09:46	04/25/24 18:34	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			04/25/24 18:34	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			04/25/24 20:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/25/24 11:28	04/25/24 20:47	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/25/24 11:28	04/25/24 20:47	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/25/24 11:28	04/25/24 20:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				04/25/24 11:28	04/25/24 20:47	1
o-Terphenyl	100		70 - 130				04/25/24 11:28	04/25/24 20:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25.3		4.97		mg/Kg			04/25/24 18:52	1

Client Sample ID: SW- 33 (2.0')

Lab Sample ID: 880-42701-14

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/25/24 09:46	04/25/24 18:54	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/25/24 09:46	04/25/24 18:54	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/25/24 09:46	04/25/24 18:54	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		04/25/24 09:46	04/25/24 18:54	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/25/24 09:46	04/25/24 18:54	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/25/24 09:46	04/25/24 18:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				04/25/24 09:46	04/25/24 18:54	1
1,4-Difluorobenzene (Surr)	102		70 - 130				04/25/24 09:46	04/25/24 18:54	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42701-1
SDG: Lea County, NM

Client Sample ID: SW- 33 (2.0')

Lab Sample ID: 880-42701-14

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 09:25

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			04/25/24 18:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/25/24 21:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/25/24 11:28	04/25/24 21:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/25/24 11:28	04/25/24 21:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/25/24 11:28	04/25/24 21:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				04/25/24 11:28	04/25/24 21:08	1
o-Terphenyl	102		70 - 130				04/25/24 11:28	04/25/24 21:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	163		4.98		mg/Kg			04/25/24 19:06	1

Client Sample ID: SW- 34 (2.0')

Lab Sample ID: 880-42701-15

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/25/24 09:46	04/25/24 19:15	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/25/24 09:46	04/25/24 19:15	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/25/24 09:46	04/25/24 19:15	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/25/24 09:46	04/25/24 19:15	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/25/24 09:46	04/25/24 19:15	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/25/24 09:46	04/25/24 19:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				04/25/24 09:46	04/25/24 19:15	1
1,4-Difluorobenzene (Surr)	102		70 - 130				04/25/24 09:46	04/25/24 19:15	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			04/25/24 19:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/25/24 21:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/25/24 11:28	04/25/24 21:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/25/24 11:28	04/25/24 21:29	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42701-1
SDG: Lea County, NM

Client Sample ID: SW- 34 (2.0')

Lab Sample ID: 880-42701-15

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/25/24 11:28	04/25/24 21:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				04/25/24 11:28	04/25/24 21:29	1
o-Terphenyl	92		70 - 130				04/25/24 11:28	04/25/24 21:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	156		4.95		mg/Kg			04/25/24 19:11	1

Client Sample ID: SW- 35 (2.0')

Lab Sample ID: 880-42701-16

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/25/24 09:46	04/25/24 19:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/25/24 09:46	04/25/24 19:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/25/24 09:46	04/25/24 19:35	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/25/24 09:46	04/25/24 19:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/25/24 09:46	04/25/24 19:35	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/25/24 09:46	04/25/24 19:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				04/25/24 09:46	04/25/24 19:35	1
1,4-Difluorobenzene (Surr)	112		70 - 130				04/25/24 09:46	04/25/24 19:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/25/24 19:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/25/24 21:51	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		04/25/24 11:28	04/25/24 21:51	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/25/24 11:28	04/25/24 21:51	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/25/24 11:28	04/25/24 21:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				04/25/24 11:28	04/25/24 21:51	1
o-Terphenyl	95		70 - 130				04/25/24 11:28	04/25/24 21:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	134		5.00		mg/Kg			04/25/24 19:16	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42701-1
SDG: Lea County, NM

Client Sample ID: SW- 36 (2.0')

Lab Sample ID: 880-42701-17

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/25/24 09:46	04/25/24 19:55	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/25/24 09:46	04/25/24 19:55	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/25/24 09:46	04/25/24 19:55	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		04/25/24 09:46	04/25/24 19:55	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/25/24 09:46	04/25/24 19:55	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		04/25/24 09:46	04/25/24 19:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130				04/25/24 09:46	04/25/24 19:55	1
1,4-Difluorobenzene (Surr)	110		70 - 130				04/25/24 09:46	04/25/24 19:55	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			04/25/24 19:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/25/24 22:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/25/24 11:28	04/25/24 22:12	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/25/24 11:28	04/25/24 22:12	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/25/24 11:28	04/25/24 22:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				04/25/24 11:28	04/25/24 22:12	1
o-Terphenyl	101		70 - 130				04/25/24 11:28	04/25/24 22:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	135		4.95		mg/Kg			04/25/24 19:21	1

Client Sample ID: SW- 37 (0.5')

Lab Sample ID: 880-42701-18

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/25/24 09:46	04/25/24 20:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/25/24 09:46	04/25/24 20:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/25/24 09:46	04/25/24 20:16	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/25/24 09:46	04/25/24 20:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/25/24 09:46	04/25/24 20:16	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/25/24 09:46	04/25/24 20:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130				04/25/24 09:46	04/25/24 20:16	1
1,4-Difluorobenzene (Surr)	104		70 - 130				04/25/24 09:46	04/25/24 20:16	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42701-1
SDG: Lea County, NM

Client Sample ID: SW- 37 (0.5')

Lab Sample ID: 880-42701-18

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 09:25

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/25/24 20:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	99.4		49.9		mg/Kg			04/25/24 22:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/25/24 11:28	04/25/24 22:33	1
Diesel Range Organics (Over C10-C28)	99.4		49.9		mg/Kg		04/25/24 11:28	04/25/24 22:33	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/25/24 11:28	04/25/24 22:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				04/25/24 11:28	04/25/24 22:33	1
o-Terphenyl	95		70 - 130				04/25/24 11:28	04/25/24 22:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	201		4.97		mg/Kg			04/25/24 19:26	1

Client Sample ID: SW- 38 (0.5')

Lab Sample ID: 880-42701-19

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/25/24 09:46	04/25/24 20:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/25/24 09:46	04/25/24 20:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/25/24 09:46	04/25/24 20:36	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/25/24 09:46	04/25/24 20:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/25/24 09:46	04/25/24 20:36	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/25/24 09:46	04/25/24 20:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130				04/25/24 09:46	04/25/24 20:36	1
1,4-Difluorobenzene (Surr)	108		70 - 130				04/25/24 09:46	04/25/24 20:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			04/25/24 20:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/25/24 22:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/25/24 11:28	04/25/24 22:55	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/25/24 11:28	04/25/24 22:55	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42701-1
SDG: Lea County, NM

Client Sample ID: SW- 38 (0.5')

Lab Sample ID: 880-42701-19

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/25/24 11:28	04/25/24 22:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				04/25/24 11:28	04/25/24 22:55	1
o-Terphenyl	98		70 - 130				04/25/24 11:28	04/25/24 22:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	271		4.99		mg/Kg			04/25/24 19:31	1

Client Sample ID: SW- 39 (0.5')

Lab Sample ID: 880-42701-20

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/25/24 09:46	04/25/24 20:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/25/24 09:46	04/25/24 20:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/25/24 09:46	04/25/24 20:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/25/24 09:46	04/25/24 20:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/25/24 09:46	04/25/24 20:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/25/24 09:46	04/25/24 20:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130				04/25/24 09:46	04/25/24 20:57	1
1,4-Difluorobenzene (Surr)	110		70 - 130				04/25/24 09:46	04/25/24 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			04/25/24 20:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	52.6		49.7		mg/Kg			04/25/24 23:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		04/25/24 11:28	04/25/24 23:16	1
Diesel Range Organics (Over C10-C28)	52.6		49.7		mg/Kg		04/25/24 11:28	04/25/24 23:16	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		04/25/24 11:28	04/25/24 23:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				04/25/24 11:28	04/25/24 23:16	1
o-Terphenyl	99		70 - 130				04/25/24 11:28	04/25/24 23:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	259		5.04		mg/Kg			04/25/24 19:35	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42701-1
SDG: Lea County, NM

Client Sample ID: SW- 40 (0.5')

Lab Sample ID: 880-42701-21

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/25/24 12:26	04/26/24 07:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/25/24 12:26	04/26/24 07:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/25/24 12:26	04/26/24 07:31	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/25/24 12:26	04/26/24 07:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/25/24 12:26	04/26/24 07:31	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/25/24 12:26	04/26/24 07:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130				04/25/24 12:26	04/26/24 07:31	1
1,4-Difluorobenzene (Surr)	102		70 - 130				04/25/24 12:26	04/26/24 07:31	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			04/26/24 07:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/25/24 23:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/25/24 11:28	04/25/24 23:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/25/24 11:28	04/25/24 23:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/25/24 11:28	04/25/24 23:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				04/25/24 11:28	04/25/24 23:59	1
o-Terphenyl	101		70 - 130				04/25/24 11:28	04/25/24 23:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	73.5		4.97		mg/Kg			04/26/24 09:27	1

Client Sample ID: SW- 41 (0.5')

Lab Sample ID: 880-42701-22

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/25/24 12:26	04/26/24 07:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/25/24 12:26	04/26/24 07:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/25/24 12:26	04/26/24 07:51	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/25/24 12:26	04/26/24 07:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/25/24 12:26	04/26/24 07:51	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/25/24 12:26	04/26/24 07:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				04/25/24 12:26	04/26/24 07:51	1
1,4-Difluorobenzene (Surr)	107		70 - 130				04/25/24 12:26	04/26/24 07:51	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42701-1
SDG: Lea County, NM

Client Sample ID: SW- 41 (0.5')

Lab Sample ID: 880-42701-22

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 09:25

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			04/26/24 07:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/26/24 00:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/25/24 11:28	04/26/24 00:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/25/24 11:28	04/26/24 00:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/25/24 11:28	04/26/24 00:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				04/25/24 11:28	04/26/24 00:20	1
o-Terphenyl	93		70 - 130				04/25/24 11:28	04/26/24 00:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	180		5.03		mg/Kg			04/26/24 09:32	1

Client Sample ID: SW- 42 (0.5')

Lab Sample ID: 880-42701-23

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/25/24 12:26	04/26/24 08:11	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/25/24 12:26	04/26/24 08:11	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/25/24 12:26	04/26/24 08:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/25/24 12:26	04/26/24 08:11	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/25/24 12:26	04/26/24 08:11	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/25/24 12:26	04/26/24 08:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				04/25/24 12:26	04/26/24 08:11	1
1,4-Difluorobenzene (Surr)	107		70 - 130				04/25/24 12:26	04/26/24 08:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/26/24 08:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/26/24 00:41	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		04/25/24 11:28	04/26/24 00:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/25/24 11:28	04/26/24 00:41	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42701-1
SDG: Lea County, NM

Client Sample ID: SW- 42 (0.5')

Lab Sample ID: 880-42701-23

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/25/24 11:28	04/26/24 00:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				04/25/24 11:28	04/26/24 00:41	1
o-Terphenyl	99		70 - 130				04/25/24 11:28	04/26/24 00:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	167		5.02		mg/Kg			04/26/24 09:37	1

Client Sample ID: SW- 43 (1.5')

Lab Sample ID: 880-42701-24

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/25/24 12:26	04/26/24 08:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/25/24 12:26	04/26/24 08:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/25/24 12:26	04/26/24 08:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/25/24 12:26	04/26/24 08:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/25/24 12:26	04/26/24 08:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/25/24 12:26	04/26/24 08:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				04/25/24 12:26	04/26/24 08:32	1
1,4-Difluorobenzene (Surr)	103		70 - 130				04/25/24 12:26	04/26/24 08:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/26/24 08:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/26/24 01:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/25/24 11:28	04/26/24 01:02	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/25/24 11:28	04/26/24 01:02	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/25/24 11:28	04/26/24 01:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				04/25/24 11:28	04/26/24 01:02	1
o-Terphenyl	106		70 - 130				04/25/24 11:28	04/26/24 01:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	58.6		5.03		mg/Kg			04/26/24 09:42	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42701-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-41774-A-6-C MB	Method Blank	95	103
880-42701-1	CS-103 (2.0'	92	99
880-42701-1 MS	CS-103 (2.0'	113	96
880-42701-1 MSD	CS-103 (2.0'	110	91
880-42701-2	CS-104 (2.0'	102	105
880-42701-3	CS-105 (2.0'	109	106
880-42701-4	SW- 23 (0.5')	123	106
880-42701-5	SW- 24 (0.5')	132 S1+	106
880-42701-6	SW- 25 (0.5')	117	102
880-42701-7	SW- 26 (0.5')	218 S1+	122
880-42701-8	SW- 27 (0.5')	113	105
880-42701-9	SW- 28 (0.5')	148 S1+	116
880-42701-10	SW- 29 (0.5')	319 S1+	72
880-42701-11	SW- 30 (0.5')	100	107
880-42701-12	SW- 31 (2.0')	111	108
880-42701-13	SW- 32 (2.0')	119	103
880-42701-14	SW- 33 (2.0')	121	102
880-42701-15	SW- 34 (2.0')	121	102
880-42701-16	SW- 35 (2.0')	122	112
880-42701-17	SW- 36 (2.0')	128	110
880-42701-18	SW- 37 (0.5')	127	104
880-42701-19	SW- 38 (0.5')	128	108
880-42701-20	SW- 39 (0.5')	125	110
880-42701-21	SW- 40 (0.5')	132 S1+	102
880-42701-22	SW- 41 (0.5')	118	107
880-42701-23	SW- 42 (0.5')	118	107
880-42701-24	SW- 43 (1.5')	116	103
LCS 880-79042/1-A	Lab Control Sample	106	102
LCS 880-79295/1-A	Lab Control Sample	106	102
LCSD 880-79042/2-A	Lab Control Sample Dup	103	99
LCSD 880-79295/2-A	Lab Control Sample Dup	103	99
MB 880-79295/5-A	Method Blank	182 S1+	131 S1+
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-42635-A-1-E MS	Matrix Spike	100	83
880-42635-A-1-F MSD	Matrix Spike Duplicate	101	81
880-42701-1	CS-103 (2.0'	114	103
880-42701-2	CS-104 (2.0'	102	86
880-42701-3	CS-105 (2.0'	107	99
880-42701-4	SW- 23 (0.5')	100	89
880-42701-5	SW- 24 (0.5')	101	88

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42701-1
SDG: Lea County, 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)
880-42701-6	SW- 25 (0.5')	51 S1-	51 S1-
880-42701-7	SW- 26 (0.5')	44 S1-	41 S1-
880-42701-8	SW- 27 (0.5')	46 S1-	48 S1-
880-42701-9	SW- 28 (0.5')	55 S1-	52 S1-
880-42701-10	SW- 29 (0.5')	58 S1-	57 S1-
880-42701-11	SW- 30 (0.5')	105	95
880-42701-11 MS	SW- 30 (0.5')	114	92
880-42701-11 MSD	SW- 30 (0.5')	109	91
880-42701-12	SW- 31 (2.0')	107	96
880-42701-13	SW- 32 (2.0')	110	100
880-42701-14	SW- 33 (2.0')	112	102
880-42701-15	SW- 34 (2.0')	105	92
880-42701-16	SW- 35 (2.0')	103	95
880-42701-17	SW- 36 (2.0')	113	101
880-42701-18	SW- 37 (0.5')	108	95
880-42701-19	SW- 38 (0.5')	107	98
880-42701-20	SW- 39 (0.5')	111	99
880-42701-21	SW- 40 (0.5')	110	101
880-42701-22	SW- 41 (0.5')	104	93
880-42701-23	SW- 42 (0.5')	112	99
880-42701-24	SW- 43 (1.5')	114	106
890-6530-A-1-B MS	Matrix Spike	88	82
890-6530-A-1-C MSD	Matrix Spike Duplicate	84	80
LCS 880-79217/2-A	Lab Control Sample	114	125
LCS 880-79282/2-A	Lab Control Sample	86	103
LCS 880-79301/2-A	Lab Control Sample	108	117
LCSD 880-79217/3-A	Lab Control Sample Dup	102	111
LCSD 880-79282/3-A	Lab Control Sample Dup	72	79
LCSD 880-79301/3-A	Lab Control Sample Dup	98	110
MB 880-79217/1-A	Method Blank	150 S1+	139 S1+
MB 880-79282/1-A	Method Blank	125	143 S1+
MB 880-79301/1-A	Method Blank	153 S1+	136 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42701-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: 880-41774-A-6-C MB

Matrix: Solid

Analysis Batch: 79293

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 79042

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/25/24 10:26	04/26/24 05:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/25/24 10:26	04/26/24 05:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/25/24 10:26	04/26/24 05:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/25/24 10:26	04/26/24 05:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/25/24 10:26	04/26/24 05:28	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/25/24 10:26	04/26/24 05:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	04/25/24 10:26	04/26/24 05:28	1
1,4-Difluorobenzene (Surr)	103		70 - 130	04/25/24 10:26	04/26/24 05:28	1

Lab Sample ID: LCS 880-79042/1-A

Matrix: Solid

Analysis Batch: 79293

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 79042

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1020		mg/Kg		102	70 - 130
Toluene	0.100	0.09061		mg/Kg		91	70 - 130
Ethylbenzene	0.100	0.1080		mg/Kg		108	70 - 130
m-Xylene & p-Xylene	0.200	0.2274		mg/Kg		114	70 - 130
o-Xylene	0.100	0.09951		mg/Kg		100	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 880-79042/2-A

Matrix: Solid

Analysis Batch: 79293

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 79042

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09732		mg/Kg		97	70 - 130	5	35
Toluene	0.100	0.08960		mg/Kg		90	70 - 130	1	35
Ethylbenzene	0.100	0.09955		mg/Kg		100	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.2162		mg/Kg		108	70 - 130	5	35
o-Xylene	0.100	0.09631		mg/Kg		96	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: MB 880-79295/5-A

Matrix: Solid

Analysis Batch: 79293

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 79295

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/25/24 09:46	04/25/24 12:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/25/24 09:46	04/25/24 12:30	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42701-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-79295/5-A

Matrix: Solid

Analysis Batch: 79293

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 79295

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/25/24 09:46	04/25/24 12:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/25/24 09:46	04/25/24 12:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/25/24 09:46	04/25/24 12:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/25/24 09:46	04/25/24 12:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	182	S1+	70 - 130	04/25/24 09:46	04/25/24 12:30	1
1,4-Difluorobenzene (Surr)	131	S1+	70 - 130	04/25/24 09:46	04/25/24 12:30	1

Lab Sample ID: LCS 880-79295/1-A

Matrix: Solid

Analysis Batch: 79293

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 79295

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1004		mg/Kg		100	70 - 130
Toluene	0.100	0.09447		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.1037		mg/Kg		104	70 - 130
m-Xylene & p-Xylene	0.200	0.2326		mg/Kg		116	70 - 130
o-Xylene	0.100	0.1028		mg/Kg		103	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 880-79295/2-A

Matrix: Solid

Analysis Batch: 79293

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 79295

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1018		mg/Kg		102	70 - 130	1	35
Toluene	0.100	0.09288		mg/Kg		93	70 - 130	2	35
Ethylbenzene	0.100	0.1040		mg/Kg		104	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.2265		mg/Kg		113	70 - 130	3	35
o-Xylene	0.100	0.09986		mg/Kg		100	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 880-42701-1 MS

Matrix: Solid

Analysis Batch: 79293

Client Sample ID: CS-103 (2.0'

Prep Type: Total/NA

Prep Batch: 79295

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.200	0.2281		mg/Kg		114	70 - 130
Toluene	<0.00200	U	0.200	0.2299		mg/Kg		115	70 - 130
Ethylbenzene	<0.00200	U F1	0.200	0.2931	F1	mg/Kg		147	70 - 130
m-Xylene & p-Xylene	<0.00399	U F1	0.400	0.5388	F1	mg/Kg		135	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42701-1
SDG: Lea County, NM

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

Lab Sample ID: 880-42701-1 MS

Matrix: Solid

Analysis Batch: 79293

Client Sample ID: CS-103 (2.0'

Prep Type: Total/NA

Prep Batch: 79295

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	<0.00200	U	0.200	0.2340		mg/Kg		117	70 - 130
Surrogate	MS %Recovery	MS Qualifier	MS Limits						
4-Bromofluorobenzene (Surr)	113		70 - 130						
1,4-Difluorobenzene (Surr)	96		70 - 130						

Lab Sample ID: 880-42701-1 MSD

Matrix: Solid

Analysis Batch: 79293

Client Sample ID: CS-103 (2.0'

Prep Type: Total/NA

Prep Batch: 79295

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.200	0.2287		mg/Kg		114	70 - 130	0	35
Toluene	<0.00200	U	0.200	0.2386		mg/Kg		119	70 - 130	4	35
Ethylbenzene	<0.00200	U F1	0.200	0.3030	F1	mg/Kg		151	70 - 130	3	35
m-Xylene & p-Xylene	<0.00399	U F1	0.400	0.5262	F1	mg/Kg		132	70 - 130	2	35
o-Xylene	<0.00200	U	0.200	0.2126		mg/Kg		106	70 - 130	10	35
Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	110		70 - 130								
1,4-Difluorobenzene (Surr)	91		70 - 130								

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

Lab Sample ID: MB 880-79217/1-A

Matrix: Solid

Analysis Batch: 79267

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 79217

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/24/24 09:50	04/25/24 07:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/24/24 09:50	04/25/24 07:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/24/24 09:50	04/25/24 07:21	1
Surrogate	MB %Recovery	MB Qualifier	MB Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	150	S1+	70 - 130				04/24/24 09:50	04/25/24 07:21	1
o-Terphenyl	139	S1+	70 - 130				04/24/24 09:50	04/25/24 07:21	1

Lab Sample ID: LCS 880-79217/2-A

Matrix: Solid

Analysis Batch: 79267

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 79217

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1081		mg/Kg		108	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1027		mg/Kg		103	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42701-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-79217/2-A
Matrix: Solid
Analysis Batch: 79267

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 79217

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	114		70 - 130
o-Terphenyl	125		70 - 130

Lab Sample ID: LCSD 880-79217/3-A
Matrix: Solid
Analysis Batch: 79267

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 79217

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	926.5		mg/Kg		93	70 - 130	15	20
Diesel Range Organics (Over C10-C28)	1000	986.6		mg/Kg		99	70 - 130	4	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	102		70 - 130
o-Terphenyl	111		70 - 130

Lab Sample ID: 880-42635-A-1-E MS
Matrix: Solid
Analysis Batch: 79267

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 79217

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	1000	881.7		mg/Kg		86	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	1095		mg/Kg		108	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	83		70 - 130

Lab Sample ID: 880-42635-A-1-F MSD
Matrix: Solid
Analysis Batch: 79267

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 79217

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	1000	925.4		mg/Kg		90	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	1101		mg/Kg		109	70 - 130	1	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	81		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42701-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-79282/1-A

Matrix: Solid

Analysis Batch: 79269

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 79282

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/25/24 08:20	04/25/24 07:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/25/24 08:20	04/25/24 07:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/25/24 08:20	04/25/24 07:21	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130				04/25/24 08:20	04/25/24 07:21	1
o-Terphenyl	143	S1+	70 - 130				04/25/24 08:20	04/25/24 07:21	1

Lab Sample ID: LCS 880-79282/2-A

Matrix: Solid

Analysis Batch: 79269

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 79282

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	850.4		mg/Kg		85	70 - 130
Diesel Range Organics (Over C10-C28)	1000	893.6		mg/Kg		89	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	86		70 - 130				
o-Terphenyl	103		70 - 130				

Lab Sample ID: LCSD 880-79282/3-A

Matrix: Solid

Analysis Batch: 79269

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 79282

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	924.2		mg/Kg		92	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	1000	861.7		mg/Kg		86	70 - 130	4	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	72		70 - 130						
o-Terphenyl	79		70 - 130						

Lab Sample ID: 890-6530-A-1-B MS

Matrix: Solid

Analysis Batch: 79269

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 79282

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	999	845.3		mg/Kg		82	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U	999	822.2		mg/Kg		80	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42701-1
SDG: Lea County, NM

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

Lab Sample ID: 890-6530-A-1-B MS
Matrix: Solid
Analysis Batch: 79269

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 79282

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	88		70 - 130
o-Terphenyl	82		70 - 130

Lab Sample ID: 890-6530-A-1-C MSD
Matrix: Solid
Analysis Batch: 79269

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 79282

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	999	881.7		mg/Kg		86	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<49.8	U	999	811.4		mg/Kg		79	70 - 130	1	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	84		70 - 130
o-Terphenyl	80		70 - 130

Lab Sample ID: MB 880-79301/1-A
Matrix: Solid
Analysis Batch: 79267

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 79301

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/25/24 11:28	04/25/24 18:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/25/24 11:28	04/25/24 18:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/25/24 11:28	04/25/24 18:17	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	153	S1+	70 - 130	04/25/24 11:28	04/25/24 18:17	1			
o-Terphenyl	136	S1+	70 - 130	04/25/24 11:28	04/25/24 18:17	1			

Lab Sample ID: LCS 880-79301/2-A
Matrix: Solid
Analysis Batch: 79267

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 79301

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	921.5		mg/Kg		92	70 - 130
Diesel Range Organics (Over C10-C28)	1000	938.0		mg/Kg		94	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	108		70 - 130
o-Terphenyl	117		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42701-1
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-79301/3-A

Matrix: Solid

Analysis Batch: 79267

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 79301

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	818.1		mg/Kg		82	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	1000	975.0		mg/Kg		97	70 - 130	4	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	98		70 - 130						
o-Terphenyl	110		70 - 130						

Lab Sample ID: 880-42701-11 MS

Matrix: Solid

Analysis Batch: 79267

Client Sample ID: SW- 30 (0.5')

Prep Type: Total/NA

Prep Batch: 79301

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	1000	793.0		mg/Kg		75	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	954.9		mg/Kg		93	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	114		70 - 130								
o-Terphenyl	92		70 - 130								

Lab Sample ID: 880-42701-11 MSD

Matrix: Solid

Analysis Batch: 79267

Client Sample ID: SW- 30 (0.5')

Prep Type: Total/NA

Prep Batch: 79301

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	992	763.6		mg/Kg		73	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<50.0	U	992	939.9		mg/Kg		93	70 - 130	2	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	109		70 - 130								
o-Terphenyl	91		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-79296/1-A

Matrix: Solid

Analysis Batch: 79319

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/25/24 17:10	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42701-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-79296/2-A
Matrix: Solid
Analysis Batch: 79319

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	232.6		mg/Kg		93	90 - 110

Lab Sample ID: LCSD 880-79296/3-A
Matrix: Solid
Analysis Batch: 79319

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	233.3		mg/Kg		93	90 - 110	0	20

Lab Sample ID: 880-42701-1 MS
Matrix: Solid
Analysis Batch: 79319

Client Sample ID: CS-103 (2.0'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	29.4		251	266.1		mg/Kg		94	90 - 110

Lab Sample ID: 880-42701-1 MSD
Matrix: Solid
Analysis Batch: 79319

Client Sample ID: CS-103 (2.0'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	29.4		251	264.5		mg/Kg		94	90 - 110	1	20

Lab Sample ID: 880-42701-11 MS
Matrix: Solid
Analysis Batch: 79319

Client Sample ID: SW- 30 (0.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	125		251	371.9		mg/Kg		98	90 - 110

Lab Sample ID: 880-42701-11 MSD
Matrix: Solid
Analysis Batch: 79319

Client Sample ID: SW- 30 (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	125		251	371.2		mg/Kg		98	90 - 110	0	20

Lab Sample ID: MB 880-79317/1-A
Matrix: Solid
Analysis Batch: 79342

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/25/24 20:00	1

Lab Sample ID: LCS 880-79317/2-A
Matrix: Solid
Analysis Batch: 79342

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	230.4		mg/Kg		92	90 - 110

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QC Sample Results

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42701-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-79317/3-A				Client Sample ID: Lab Control Sample Dup							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 79342											
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	231.7		mg/Kg		93	90 - 110	1	20

Lab Sample ID: 880-42691-A-17-B MS				Client Sample ID: Matrix Spike							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 79342											
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	733		250	965.1		mg/Kg		93	90 - 110		

Lab Sample ID: 880-42691-A-17-C MSD				Client Sample ID: Matrix Spike Duplicate							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 79342											
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	733		250	962.5		mg/Kg		92	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42701-1
SDG: Lea County, NM

GC VOA

Prep Batch: 79042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42701-21	SW- 40 (0.5')	Total/NA	Solid	5035	
880-42701-22	SW- 41 (0.5')	Total/NA	Solid	5035	
880-42701-23	SW- 42 (0.5')	Total/NA	Solid	5035	
880-42701-24	SW- 43 (1.5')	Total/NA	Solid	5035	
880-41774-A-6-C MB	Method Blank	Total/NA	Solid	5035	
LCS 880-79042/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-79042/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 79293

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42701-1	CS-103 (2.0'	Total/NA	Solid	8021B	79295
880-42701-2	CS-104 (2.0'	Total/NA	Solid	8021B	79295
880-42701-3	CS-105 (2.0'	Total/NA	Solid	8021B	79295
880-42701-4	SW- 23 (0.5')	Total/NA	Solid	8021B	79295
880-42701-5	SW- 24 (0.5')	Total/NA	Solid	8021B	79295
880-42701-6	SW- 25 (0.5')	Total/NA	Solid	8021B	79295
880-42701-7	SW- 26 (0.5')	Total/NA	Solid	8021B	79295
880-42701-8	SW- 27 (0.5')	Total/NA	Solid	8021B	79295
880-42701-9	SW- 28 (0.5')	Total/NA	Solid	8021B	79295
880-42701-10	SW- 29 (0.5')	Total/NA	Solid	8021B	79295
880-42701-11	SW- 30 (0.5')	Total/NA	Solid	8021B	79295
880-42701-12	SW- 31 (2.0')	Total/NA	Solid	8021B	79295
880-42701-13	SW- 32 (2.0')	Total/NA	Solid	8021B	79295
880-42701-14	SW- 33 (2.0')	Total/NA	Solid	8021B	79295
880-42701-15	SW- 34 (2.0')	Total/NA	Solid	8021B	79295
880-42701-16	SW- 35 (2.0')	Total/NA	Solid	8021B	79295
880-42701-17	SW- 36 (2.0')	Total/NA	Solid	8021B	79295
880-42701-18	SW- 37 (0.5')	Total/NA	Solid	8021B	79295
880-42701-19	SW- 38 (0.5')	Total/NA	Solid	8021B	79295
880-42701-20	SW- 39 (0.5')	Total/NA	Solid	8021B	79295
880-42701-21	SW- 40 (0.5')	Total/NA	Solid	8021B	79042
880-42701-22	SW- 41 (0.5')	Total/NA	Solid	8021B	79042
880-42701-23	SW- 42 (0.5')	Total/NA	Solid	8021B	79042
880-42701-24	SW- 43 (1.5')	Total/NA	Solid	8021B	79042
880-41774-A-6-C MB	Method Blank	Total/NA	Solid	8021B	79042
MB 880-79295/5-A	Method Blank	Total/NA	Solid	8021B	79295
LCS 880-79042/1-A	Lab Control Sample	Total/NA	Solid	8021B	79042
LCS 880-79295/1-A	Lab Control Sample	Total/NA	Solid	8021B	79295
LCSD 880-79042/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	79042
LCSD 880-79295/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	79295
880-42701-1 MS	CS-103 (2.0'	Total/NA	Solid	8021B	79295
880-42701-1 MSD	CS-103 (2.0'	Total/NA	Solid	8021B	79295

Prep Batch: 79295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42701-1	CS-103 (2.0'	Total/NA	Solid	5035	
880-42701-2	CS-104 (2.0'	Total/NA	Solid	5035	
880-42701-3	CS-105 (2.0'	Total/NA	Solid	5035	
880-42701-4	SW- 23 (0.5')	Total/NA	Solid	5035	
880-42701-5	SW- 24 (0.5')	Total/NA	Solid	5035	
880-42701-6	SW- 25 (0.5')	Total/NA	Solid	5035	

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QC Association Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42701-1
SDG: Lea County, NM

GC VOA (Continued)

Prep Batch: 79295 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42701-7	SW- 26 (0.5')	Total/NA	Solid	5035	
880-42701-8	SW- 27 (0.5')	Total/NA	Solid	5035	
880-42701-9	SW- 28 (0.5')	Total/NA	Solid	5035	
880-42701-10	SW- 29 (0.5')	Total/NA	Solid	5035	
880-42701-11	SW- 30 (0.5')	Total/NA	Solid	5035	
880-42701-12	SW- 31 (2.0')	Total/NA	Solid	5035	
880-42701-13	SW- 32 (2.0')	Total/NA	Solid	5035	
880-42701-14	SW- 33 (2.0')	Total/NA	Solid	5035	
880-42701-15	SW- 34 (2.0')	Total/NA	Solid	5035	
880-42701-16	SW- 35 (2.0')	Total/NA	Solid	5035	
880-42701-17	SW- 36 (2.0')	Total/NA	Solid	5035	
880-42701-18	SW- 37 (0.5')	Total/NA	Solid	5035	
880-42701-19	SW- 38 (0.5')	Total/NA	Solid	5035	
880-42701-20	SW- 39 (0.5')	Total/NA	Solid	5035	
MB 880-79295/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-79295/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-79295/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-42701-1 MS	CS-103 (2.0'	Total/NA	Solid	5035	
880-42701-1 MSD	CS-103 (2.0'	Total/NA	Solid	5035	

Analysis Batch: 79435

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42701-1	CS-103 (2.0'	Total/NA	Solid	Total BTEX	
880-42701-2	CS-104 (2.0'	Total/NA	Solid	Total BTEX	
880-42701-3	CS-105 (2.0'	Total/NA	Solid	Total BTEX	
880-42701-4	SW- 23 (0.5')	Total/NA	Solid	Total BTEX	
880-42701-5	SW- 24 (0.5')	Total/NA	Solid	Total BTEX	
880-42701-6	SW- 25 (0.5')	Total/NA	Solid	Total BTEX	
880-42701-7	SW- 26 (0.5')	Total/NA	Solid	Total BTEX	
880-42701-8	SW- 27 (0.5')	Total/NA	Solid	Total BTEX	
880-42701-9	SW- 28 (0.5')	Total/NA	Solid	Total BTEX	
880-42701-10	SW- 29 (0.5')	Total/NA	Solid	Total BTEX	
880-42701-11	SW- 30 (0.5')	Total/NA	Solid	Total BTEX	
880-42701-12	SW- 31 (2.0')	Total/NA	Solid	Total BTEX	
880-42701-13	SW- 32 (2.0')	Total/NA	Solid	Total BTEX	
880-42701-14	SW- 33 (2.0')	Total/NA	Solid	Total BTEX	
880-42701-15	SW- 34 (2.0')	Total/NA	Solid	Total BTEX	
880-42701-16	SW- 35 (2.0')	Total/NA	Solid	Total BTEX	
880-42701-17	SW- 36 (2.0')	Total/NA	Solid	Total BTEX	
880-42701-18	SW- 37 (0.5')	Total/NA	Solid	Total BTEX	
880-42701-19	SW- 38 (0.5')	Total/NA	Solid	Total BTEX	
880-42701-20	SW- 39 (0.5')	Total/NA	Solid	Total BTEX	
880-42701-21	SW- 40 (0.5')	Total/NA	Solid	Total BTEX	
880-42701-22	SW- 41 (0.5')	Total/NA	Solid	Total BTEX	
880-42701-23	SW- 42 (0.5')	Total/NA	Solid	Total BTEX	
880-42701-24	SW- 43 (1.5')	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42701-1
SDG: Lea County, NM

GC Semi VOA

Prep Batch: 79217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42701-1	CS-103 (2.0')	Total/NA	Solid	8015NM Prep	
880-42701-2	CS-104 (2.0')	Total/NA	Solid	8015NM Prep	
880-42701-3	CS-105 (2.0')	Total/NA	Solid	8015NM Prep	
880-42701-4	SW- 23 (0.5')	Total/NA	Solid	8015NM Prep	
880-42701-5	SW- 24 (0.5')	Total/NA	Solid	8015NM Prep	
MB 880-79217/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-79217/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-79217/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-42635-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-42635-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 79267

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42701-1	CS-103 (2.0')	Total/NA	Solid	8015B NM	79217
880-42701-2	CS-104 (2.0')	Total/NA	Solid	8015B NM	79217
880-42701-3	CS-105 (2.0')	Total/NA	Solid	8015B NM	79217
880-42701-4	SW- 23 (0.5')	Total/NA	Solid	8015B NM	79217
880-42701-5	SW- 24 (0.5')	Total/NA	Solid	8015B NM	79217
880-42701-11	SW- 30 (0.5')	Total/NA	Solid	8015B NM	79301
880-42701-12	SW- 31 (2.0')	Total/NA	Solid	8015B NM	79301
880-42701-13	SW- 32 (2.0')	Total/NA	Solid	8015B NM	79301
880-42701-14	SW- 33 (2.0')	Total/NA	Solid	8015B NM	79301
880-42701-15	SW- 34 (2.0')	Total/NA	Solid	8015B NM	79301
880-42701-16	SW- 35 (2.0')	Total/NA	Solid	8015B NM	79301
880-42701-17	SW- 36 (2.0')	Total/NA	Solid	8015B NM	79301
880-42701-18	SW- 37 (0.5')	Total/NA	Solid	8015B NM	79301
880-42701-19	SW- 38 (0.5')	Total/NA	Solid	8015B NM	79301
880-42701-20	SW- 39 (0.5')	Total/NA	Solid	8015B NM	79301
880-42701-21	SW- 40 (0.5')	Total/NA	Solid	8015B NM	79301
880-42701-22	SW- 41 (0.5')	Total/NA	Solid	8015B NM	79301
880-42701-23	SW- 42 (0.5')	Total/NA	Solid	8015B NM	79301
880-42701-24	SW- 43 (1.5')	Total/NA	Solid	8015B NM	79301
MB 880-79217/1-A	Method Blank	Total/NA	Solid	8015B NM	79217
MB 880-79301/1-A	Method Blank	Total/NA	Solid	8015B NM	79301
LCS 880-79217/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	79217
LCS 880-79301/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	79301
LCSD 880-79217/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	79217
LCSD 880-79301/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	79301
880-42635-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	79217
880-42635-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	79217
880-42701-11 MS	SW- 30 (0.5')	Total/NA	Solid	8015B NM	79301
880-42701-11 MSD	SW- 30 (0.5')	Total/NA	Solid	8015B NM	79301

Analysis Batch: 79269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42701-6	SW- 25 (0.5')	Total/NA	Solid	8015B NM	79282
880-42701-7	SW- 26 (0.5')	Total/NA	Solid	8015B NM	79282
880-42701-8	SW- 27 (0.5')	Total/NA	Solid	8015B NM	79282
880-42701-9	SW- 28 (0.5')	Total/NA	Solid	8015B NM	79282
880-42701-10	SW- 29 (0.5')	Total/NA	Solid	8015B NM	79282
MB 880-79282/1-A	Method Blank	Total/NA	Solid	8015B NM	79282

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QC Association Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42701-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 79269 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-79282/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	79282
LCSD 880-79282/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	79282
890-6530-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	79282
890-6530-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	79282

Prep Batch: 79282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42701-6	SW- 25 (0.5')	Total/NA	Solid	8015NM Prep	
880-42701-7	SW- 26 (0.5')	Total/NA	Solid	8015NM Prep	
880-42701-8	SW- 27 (0.5')	Total/NA	Solid	8015NM Prep	
880-42701-9	SW- 28 (0.5')	Total/NA	Solid	8015NM Prep	
880-42701-10	SW- 29 (0.5')	Total/NA	Solid	8015NM Prep	
MB 880-79282/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-79282/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-79282/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6530-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-6530-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 79301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42701-11	SW- 30 (0.5')	Total/NA	Solid	8015NM Prep	
880-42701-12	SW- 31 (2.0')	Total/NA	Solid	8015NM Prep	
880-42701-13	SW- 32 (2.0')	Total/NA	Solid	8015NM Prep	
880-42701-14	SW- 33 (2.0')	Total/NA	Solid	8015NM Prep	
880-42701-15	SW- 34 (2.0')	Total/NA	Solid	8015NM Prep	
880-42701-16	SW- 35 (2.0')	Total/NA	Solid	8015NM Prep	
880-42701-17	SW- 36 (2.0')	Total/NA	Solid	8015NM Prep	
880-42701-18	SW- 37 (0.5')	Total/NA	Solid	8015NM Prep	
880-42701-19	SW- 38 (0.5')	Total/NA	Solid	8015NM Prep	
880-42701-20	SW- 39 (0.5')	Total/NA	Solid	8015NM Prep	
880-42701-21	SW- 40 (0.5')	Total/NA	Solid	8015NM Prep	
880-42701-22	SW- 41 (0.5')	Total/NA	Solid	8015NM Prep	
880-42701-23	SW- 42 (0.5')	Total/NA	Solid	8015NM Prep	
880-42701-24	SW- 43 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-79301/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-79301/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-79301/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-42701-11 MS	SW- 30 (0.5')	Total/NA	Solid	8015NM Prep	
880-42701-11 MSD	SW- 30 (0.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 79422

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42701-1	CS-103 (2.0')	Total/NA	Solid	8015 NM	
880-42701-2	CS-104 (2.0')	Total/NA	Solid	8015 NM	
880-42701-3	CS-105 (2.0')	Total/NA	Solid	8015 NM	
880-42701-4	SW- 23 (0.5')	Total/NA	Solid	8015 NM	
880-42701-5	SW- 24 (0.5')	Total/NA	Solid	8015 NM	
880-42701-6	SW- 25 (0.5')	Total/NA	Solid	8015 NM	
880-42701-7	SW- 26 (0.5')	Total/NA	Solid	8015 NM	
880-42701-8	SW- 27 (0.5')	Total/NA	Solid	8015 NM	
880-42701-9	SW- 28 (0.5')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42701-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 79422 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42701-10	SW- 29 (0.5')	Total/NA	Solid	8015 NM	
880-42701-11	SW- 30 (0.5')	Total/NA	Solid	8015 NM	
880-42701-12	SW- 31 (2.0')	Total/NA	Solid	8015 NM	
880-42701-13	SW- 32 (2.0')	Total/NA	Solid	8015 NM	
880-42701-14	SW- 33 (2.0')	Total/NA	Solid	8015 NM	
880-42701-15	SW- 34 (2.0')	Total/NA	Solid	8015 NM	
880-42701-16	SW- 35 (2.0')	Total/NA	Solid	8015 NM	
880-42701-17	SW- 36 (2.0')	Total/NA	Solid	8015 NM	
880-42701-18	SW- 37 (0.5')	Total/NA	Solid	8015 NM	
880-42701-19	SW- 38 (0.5')	Total/NA	Solid	8015 NM	
880-42701-20	SW- 39 (0.5')	Total/NA	Solid	8015 NM	
880-42701-21	SW- 40 (0.5')	Total/NA	Solid	8015 NM	
880-42701-22	SW- 41 (0.5')	Total/NA	Solid	8015 NM	
880-42701-23	SW- 42 (0.5')	Total/NA	Solid	8015 NM	
880-42701-24	SW- 43 (1.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 79296

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42701-1	CS-103 (2.0'	Soluble	Solid	DI Leach	
880-42701-2	CS-104 (2.0'	Soluble	Solid	DI Leach	
880-42701-3	CS-105 (2.0'	Soluble	Solid	DI Leach	
880-42701-4	SW- 23 (0.5')	Soluble	Solid	DI Leach	
880-42701-5	SW- 24 (0.5')	Soluble	Solid	DI Leach	
880-42701-6	SW- 25 (0.5')	Soluble	Solid	DI Leach	
880-42701-7	SW- 26 (0.5')	Soluble	Solid	DI Leach	
880-42701-8	SW- 27 (0.5')	Soluble	Solid	DI Leach	
880-42701-9	SW- 28 (0.5')	Soluble	Solid	DI Leach	
880-42701-10	SW- 29 (0.5')	Soluble	Solid	DI Leach	
880-42701-11	SW- 30 (0.5')	Soluble	Solid	DI Leach	
880-42701-12	SW- 31 (2.0')	Soluble	Solid	DI Leach	
880-42701-13	SW- 32 (2.0')	Soluble	Solid	DI Leach	
880-42701-14	SW- 33 (2.0')	Soluble	Solid	DI Leach	
880-42701-15	SW- 34 (2.0')	Soluble	Solid	DI Leach	
880-42701-16	SW- 35 (2.0')	Soluble	Solid	DI Leach	
880-42701-17	SW- 36 (2.0')	Soluble	Solid	DI Leach	
880-42701-18	SW- 37 (0.5')	Soluble	Solid	DI Leach	
880-42701-19	SW- 38 (0.5')	Soluble	Solid	DI Leach	
880-42701-20	SW- 39 (0.5')	Soluble	Solid	DI Leach	
MB 880-79296/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-79296/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-79296/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-42701-1 MS	CS-103 (2.0'	Soluble	Solid	DI Leach	
880-42701-1 MSD	CS-103 (2.0'	Soluble	Solid	DI Leach	
880-42701-11 MS	SW- 30 (0.5')	Soluble	Solid	DI Leach	
880-42701-11 MSD	SW- 30 (0.5')	Soluble	Solid	DI Leach	

Leach Batch: 79317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42701-21	SW- 40 (0.5')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42701-1
SDG: Lea County, NM

HPLC/IC (Continued)

Leach Batch: 79317 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42701-22	SW- 41 (0.5')	Soluble	Solid	DI Leach	
880-42701-23	SW- 42 (0.5')	Soluble	Solid	DI Leach	
880-42701-24	SW- 43 (1.5')	Soluble	Solid	DI Leach	
MB 880-79317/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-79317/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-79317/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-42691-A-17-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-42691-A-17-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 79319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42701-1	CS-103 (2.0'	Soluble	Solid	300.0	79296
880-42701-2	CS-104 (2.0'	Soluble	Solid	300.0	79296
880-42701-3	CS-105 (2.0'	Soluble	Solid	300.0	79296
880-42701-4	SW- 23 (0.5')	Soluble	Solid	300.0	79296
880-42701-5	SW- 24 (0.5')	Soluble	Solid	300.0	79296
880-42701-6	SW- 25 (0.5')	Soluble	Solid	300.0	79296
880-42701-7	SW- 26 (0.5')	Soluble	Solid	300.0	79296
880-42701-8	SW- 27 (0.5')	Soluble	Solid	300.0	79296
880-42701-9	SW- 28 (0.5')	Soluble	Solid	300.0	79296
880-42701-10	SW- 29 (0.5')	Soluble	Solid	300.0	79296
880-42701-11	SW- 30 (0.5')	Soluble	Solid	300.0	79296
880-42701-12	SW- 31 (2.0')	Soluble	Solid	300.0	79296
880-42701-13	SW- 32 (2.0')	Soluble	Solid	300.0	79296
880-42701-14	SW- 33 (2.0')	Soluble	Solid	300.0	79296
880-42701-15	SW- 34 (2.0')	Soluble	Solid	300.0	79296
880-42701-16	SW- 35 (2.0')	Soluble	Solid	300.0	79296
880-42701-17	SW- 36 (2.0')	Soluble	Solid	300.0	79296
880-42701-18	SW- 37 (0.5')	Soluble	Solid	300.0	79296
880-42701-19	SW- 38 (0.5')	Soluble	Solid	300.0	79296
880-42701-20	SW- 39 (0.5')	Soluble	Solid	300.0	79296
MB 880-79296/1-A	Method Blank	Soluble	Solid	300.0	79296
LCS 880-79296/2-A	Lab Control Sample	Soluble	Solid	300.0	79296
LCSD 880-79296/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	79296
880-42701-1 MS	CS-103 (2.0'	Soluble	Solid	300.0	79296
880-42701-1 MSD	CS-103 (2.0'	Soluble	Solid	300.0	79296
880-42701-11 MS	SW- 30 (0.5')	Soluble	Solid	300.0	79296
880-42701-11 MSD	SW- 30 (0.5')	Soluble	Solid	300.0	79296

Analysis Batch: 79342

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42701-21	SW- 40 (0.5')	Soluble	Solid	300.0	79317
880-42701-22	SW- 41 (0.5')	Soluble	Solid	300.0	79317
880-42701-23	SW- 42 (0.5')	Soluble	Solid	300.0	79317
880-42701-24	SW- 43 (1.5')	Soluble	Solid	300.0	79317
MB 880-79317/1-A	Method Blank	Soluble	Solid	300.0	79317
LCS 880-79317/2-A	Lab Control Sample	Soluble	Solid	300.0	79317
LCSD 880-79317/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	79317
880-42691-A-17-B MS	Matrix Spike	Soluble	Solid	300.0	79317
880-42691-A-17-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	79317

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42701-1
SDG: Lea County, NM

Client Sample ID: CS-103 (2.0'
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 09:25

Lab Sample ID: 880-42701-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	79295	04/25/24 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79293	04/25/24 12:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79435	04/25/24 12:59	AJ	EET MID
Total/NA	Analysis	8015 NM		1			79422	04/25/24 15:48	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	79217	04/24/24 09:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79267	04/25/24 15:48	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	79296	04/25/24 09:51	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79319	04/25/24 17:25	SMC	EET MID

Client Sample ID: CS-104 (2.0'
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 09:25

Lab Sample ID: 880-42701-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	79295	04/25/24 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79293	04/25/24 13:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79435	04/25/24 13:19	AJ	EET MID
Total/NA	Analysis	8015 NM		1			79422	04/25/24 16:09	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	79217	04/24/24 09:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79267	04/25/24 16:09	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	79296	04/25/24 09:51	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79319	04/25/24 17:40	SMC	EET MID

Client Sample ID: CS-105 (2.0'
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 09:25

Lab Sample ID: 880-42701-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	79295	04/25/24 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79293	04/25/24 13:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79435	04/25/24 13:40	AJ	EET MID
Total/NA	Analysis	8015 NM		1			79422	04/25/24 16:31	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	79217	04/24/24 09:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79267	04/25/24 16:31	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	79296	04/25/24 09:51	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79319	04/25/24 17:44	SMC	EET MID

Client Sample ID: SW- 23 (0.5'
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 09:25

Lab Sample ID: 880-42701-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	79295	04/25/24 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79293	04/25/24 14:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79435	04/25/24 14:00	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42701-1
SDG: Lea County, NM

Client Sample ID: SW- 23 (0.5')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 09:25

Lab Sample ID: 880-42701-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			79422	04/25/24 16:52	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	79217	04/24/24 09:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79267	04/25/24 16:52	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	79296	04/25/24 09:51	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79319	04/25/24 17:49	SMC	EET MID

Client Sample ID: SW- 24 (0.5')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 09:25

Lab Sample ID: 880-42701-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	79295	04/25/24 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79293	04/25/24 14:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79435	04/25/24 14:21	AJ	EET MID
Total/NA	Analysis	8015 NM		1			79422	04/25/24 17:14	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	79217	04/24/24 09:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79267	04/25/24 17:14	AJ	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	79296	04/25/24 09:51	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79319	04/25/24 17:54	SMC	EET MID

Client Sample ID: SW- 25 (0.5')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 09:25

Lab Sample ID: 880-42701-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	79295	04/25/24 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79293	04/25/24 14:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79435	04/25/24 14:41	AJ	EET MID
Total/NA	Analysis	8015 NM		1			79422	04/25/24 15:48	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	79282	04/25/24 08:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79269	04/25/24 15:48	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	79296	04/25/24 09:51	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79319	04/25/24 18:09	SMC	EET MID

Client Sample ID: SW- 26 (0.5')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 09:25

Lab Sample ID: 880-42701-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	79295	04/25/24 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79293	04/25/24 15:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79435	04/25/24 15:01	AJ	EET MID
Total/NA	Analysis	8015 NM		1			79422	04/25/24 16:09	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	79282	04/25/24 08:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79269	04/25/24 16:09	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42701-1
SDG: Lea County, NM

Client Sample ID: SW- 26 (0.5')

Lab Sample ID: 880-42701-7

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	79296	04/25/24 09:51	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79319	04/25/24 18:13	SMC	EET MID

Client Sample ID: SW- 27 (0.5')

Lab Sample ID: 880-42701-8

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	79295	04/25/24 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79293	04/25/24 15:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79435	04/25/24 15:22	AJ	EET MID
Total/NA	Analysis	8015 NM		1			79422	04/25/24 16:31	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	79282	04/25/24 08:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79269	04/25/24 16:31	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	79296	04/25/24 09:51	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79319	04/25/24 18:18	SMC	EET MID

Client Sample ID: SW- 28 (0.5')

Lab Sample ID: 880-42701-9

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	79295	04/25/24 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79293	04/25/24 15:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79435	04/25/24 15:42	AJ	EET MID
Total/NA	Analysis	8015 NM		1			79422	04/25/24 16:52	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	79282	04/25/24 08:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79269	04/25/24 16:52	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	79296	04/25/24 09:51	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79319	04/25/24 18:23	SMC	EET MID

Client Sample ID: SW- 29 (0.5')

Lab Sample ID: 880-42701-10

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	79295	04/25/24 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79293	04/25/24 16:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79435	04/25/24 16:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			79422	04/25/24 17:14	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	79282	04/25/24 08:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79269	04/25/24 17:14	AJ	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	79296	04/25/24 09:51	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79319	04/25/24 18:28	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42701-1
SDG: Lea County, NM

Client Sample ID: SW- 30 (0.5')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 09:25

Lab Sample ID: 880-42701-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	79295	04/25/24 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79293	04/25/24 17:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79435	04/25/24 17:53	AJ	EET MID
Total/NA	Analysis	8015 NM		1			79422	04/25/24 19:22	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	79301	04/25/24 11:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79267	04/25/24 19:22	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	79296	04/25/24 09:51	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79319	04/25/24 18:33	SMC	EET MID

Client Sample ID: SW- 31 (2.0')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 09:25

Lab Sample ID: 880-42701-12
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			5.00 g	5 mL	79295	04/25/24 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79293	04/25/24 18:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79435	04/25/24 18:13	AJ	EET MID
Total/NA	Analysis	8015 NM		1			79422	04/25/24 20:26	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	79301	04/25/24 11:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79267	04/25/24 20:26	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	79296	04/25/24 09:51	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79319	04/25/24 18:47	SMC	EET MID

Client Sample ID: SW- 32 (2.0')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 09:25

Lab Sample ID: 880-42701-13
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			5.02 g	5 mL	79295	04/25/24 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79293	04/25/24 18:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79435	04/25/24 18:34	AJ	EET MID
Total/NA	Analysis	8015 NM		1			79422	04/25/24 20:47	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	79301	04/25/24 11:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79267	04/25/24 20:47	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	79296	04/25/24 09:51	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79319	04/25/24 18:52	SMC	EET MID

Client Sample ID: SW- 33 (2.0')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 09:25

Lab Sample ID: 880-42701-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	79295	04/25/24 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79293	04/25/24 18:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79435	04/25/24 18:54	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42701-1
SDG: Lea County, NM

Client Sample ID: SW- 33 (2.0')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 09:25

Lab Sample ID: 880-42701-14
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			79422	04/25/24 21:08	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	79301	04/25/24 11:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79267	04/25/24 21:08	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	79296	04/25/24 09:51	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79319	04/25/24 19:06	SMC	EET MID

Client Sample ID: SW- 34 (2.0')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 09:25

Lab Sample ID: 880-42701-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	79295	04/25/24 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79293	04/25/24 19:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79435	04/25/24 19:15	AJ	EET MID
Total/NA	Analysis	8015 NM		1			79422	04/25/24 21:29	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	79301	04/25/24 11:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79267	04/25/24 21:29	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	79296	04/25/24 09:51	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79319	04/25/24 19:11	SMC	EET MID

Client Sample ID: SW- 35 (2.0')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 09:25

Lab Sample ID: 880-42701-16
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			5.01 g	5 mL	79295	04/25/24 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79293	04/25/24 19:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79435	04/25/24 19:35	AJ	EET MID
Total/NA	Analysis	8015 NM		1			79422	04/25/24 21:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	79301	04/25/24 11:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79267	04/25/24 21:51	AJ	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	79296	04/25/24 09:51	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79319	04/25/24 19:16	SMC	EET MID

Client Sample ID: SW- 36 (2.0')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 09:25

Lab Sample ID: 880-42701-17
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			5.04 g	5 mL	79295	04/25/24 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79293	04/25/24 19:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79435	04/25/24 19:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			79422	04/25/24 22:12	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	79301	04/25/24 11:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79267	04/25/24 22:12	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42701-1
SDG: Lea County, NM

Client Sample ID: SW- 36 (2.0')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 09:25

Lab Sample ID: 880-42701-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	79296	04/25/24 09:51	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79319	04/25/24 19:21	SMC	EET MID

Client Sample ID: SW- 37 (0.5')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 09:25

Lab Sample ID: 880-42701-18
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			5.01 g	5 mL	79295	04/25/24 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79293	04/25/24 20:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79435	04/25/24 20:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			79422	04/25/24 22:33	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	79301	04/25/24 11:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79267	04/25/24 22:33	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	79296	04/25/24 09:51	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79319	04/25/24 19:26	SMC	EET MID

Client Sample ID: SW- 38 (0.5')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 09:25

Lab Sample ID: 880-42701-19
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			5.00 g	5 mL	79295	04/25/24 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79293	04/25/24 20:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79435	04/25/24 20:36	AJ	EET MID
Total/NA	Analysis	8015 NM		1			79422	04/25/24 22:55	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	79301	04/25/24 11:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79267	04/25/24 22:55	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	79296	04/25/24 09:51	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79319	04/25/24 19:31	SMC	EET MID

Client Sample ID: SW- 39 (0.5')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 09:25

Lab Sample ID: 880-42701-20
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			5.03 g	5 mL	79295	04/25/24 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79293	04/25/24 20:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79435	04/25/24 20:57	AJ	EET MID
Total/NA	Analysis	8015 NM		1			79422	04/25/24 23:16	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	79301	04/25/24 11:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79267	04/25/24 23:16	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	79296	04/25/24 09:51	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79319	04/25/24 19:35	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42701-1
SDG: Lea County, NM

Client Sample ID: SW- 40 (0.5')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 09:25

Lab Sample ID: 880-42701-21
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			5.01 g	5 mL	79042	04/25/24 12:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79293	04/26/24 07:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79435	04/26/24 07:31	AJ	EET MID
Total/NA	Analysis	8015 NM		1			79422	04/25/24 23:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	79301	04/25/24 11:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79267	04/25/24 23:59	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	79317	04/25/24 13:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79342	04/26/24 09:27	SMC	EET MID

Client Sample ID: SW- 41 (0.5')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 09:25

Lab Sample ID: 880-42701-22
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			4.99 g	5 mL	79042	04/25/24 12:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79293	04/26/24 07:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79435	04/26/24 07:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			79422	04/26/24 00:20	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	79301	04/25/24 11:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79267	04/26/24 00:20	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	79317	04/25/24 13:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79342	04/26/24 09:32	SMC	EET MID

Client Sample ID: SW- 42 (0.5')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 09:25

Lab Sample ID: 880-42701-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	79042	04/25/24 12:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79293	04/26/24 08:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79435	04/26/24 08:11	AJ	EET MID
Total/NA	Analysis	8015 NM		1			79422	04/26/24 00:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	79301	04/25/24 11:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79267	04/26/24 00:41	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	79317	04/25/24 13:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79342	04/26/24 09:37	SMC	EET MID

Client Sample ID: SW- 43 (1.5')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 09:25

Lab Sample ID: 880-42701-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	79042	04/25/24 12:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79293	04/26/24 08:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79435	04/26/24 08:32	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42701-1
SDG: Lea County, NM

Client Sample ID: SW- 43 (1.5')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 09:25

Lab Sample ID: 880-42701-24
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			79422	04/26/24 01:02	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	79301	04/25/24 11:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79267	04/26/24 01:02	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	79317	04/25/24 13:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79342	04/26/24 09:42	SMC	EET MID

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

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Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42701-1
SDG: Lea County, NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42701-1
SDG: Lea County, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Berry 2 SWD (11.27.2023)

Job ID: 880-42701-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-42701-1	CS-103 (2.0')	Solid	04/23/24 00:00	04/25/24 09:25
880-42701-2	CS-104 (2.0')	Solid	04/23/24 00:00	04/25/24 09:25
880-42701-3	CS-105 (2.0')	Solid	04/23/24 00:00	04/25/24 09:25
880-42701-4	SW- 23 (0.5')	Solid	04/23/24 00:00	04/25/24 09:25
880-42701-5	SW- 24 (0.5')	Solid	04/23/24 00:00	04/25/24 09:25
880-42701-6	SW- 25 (0.5')	Solid	04/23/24 00:00	04/25/24 09:25
880-42701-7	SW- 26 (0.5')	Solid	04/23/24 00:00	04/25/24 09:25
880-42701-8	SW- 27 (0.5')	Solid	04/23/24 00:00	04/25/24 09:25
880-42701-9	SW- 28 (0.5')	Solid	04/23/24 00:00	04/25/24 09:25
880-42701-10	SW- 29 (0.5')	Solid	04/23/24 00:00	04/25/24 09:25
880-42701-11	SW- 30 (0.5')	Solid	04/23/24 00:00	04/25/24 09:25
880-42701-12	SW- 31 (2.0')	Solid	04/23/24 00:00	04/25/24 09:25
880-42701-13	SW- 32 (2.0')	Solid	04/23/24 00:00	04/25/24 09:25
880-42701-14	SW- 33 (2.0')	Solid	04/23/24 00:00	04/25/24 09:25
880-42701-15	SW- 34 (2.0')	Solid	04/23/24 00:00	04/25/24 09:25
880-42701-16	SW- 35 (2.0')	Solid	04/23/24 00:00	04/25/24 09:25
880-42701-17	SW- 36 (2.0')	Solid	04/23/24 00:00	04/25/24 09:25
880-42701-18	SW- 37 (0.5')	Solid	04/23/24 00:00	04/25/24 09:25
880-42701-19	SW- 38 (0.5')	Solid	04/23/24 00:00	04/25/24 09:25
880-42701-20	SW- 39 (0.5')	Solid	04/23/24 00:00	04/25/24 09:25
880-42701-21	SW- 40 (0.5')	Solid	04/23/24 00:00	04/25/24 09:25
880-42701-22	SW- 41 (0.5')	Solid	04/23/24 00:00	04/25/24 09:25
880-42701-23	SW- 42 (0.5')	Solid	04/23/24 00:00	04/25/24 09:25
880-42701-24	SW- 43 (1.5')	Solid	04/23/24 00:00	04/25/24 09:25



880-42701 Chain of Custody

Page 1 of 3

Project Manager		Ashton Thielke		Bill to (if different)		Carmona Resources	
Company Name		Carmona Resources		Company Name			
Address		310 West Wall Ste 500		Address			
City, State ZIP		Midland, TX 79701		City, State ZIP			
Phone		432-813-8988		Email		thielkea@carmonaresources.com	

Project Name		Berry 2 SWD (11 27 2023)		Turn Around		Prea. Code	
Project Number		2338		☐ Routine ☒ Rush			
Project Location		Lea County, NM		Due Date		48 hrs	
Sampler's Name		GPJ					
PO #:							

ANALYSIS REQUEST										Preservative Codes	
										None NO	
										Cool Cool	
										HCL HC	
										H ₂ SO ₄ H ₂	
										H ₃ PO ₄ HP	
										NaHSO ₄ NABIS	
										Na ₂ S ₂ O ₃ NaSO ₃	
										Zn Acetate+NaOH Zn	
										NaOH+Ascorbic Acid SAPC	
										Sample Comments	
HOLD											
Chloride 300.0											
TPH 8015M (GRO + DRO + MRO)											
BTX 8021B											
Parameters											
# of Cont											
Grab/Comp											
Water											
Soil											
Time											
Date											
Temp Blank											
Yes No											
Thermometer ID											
Correction Factor											
Temperature Reading											
Corrected Temperature											
Sample Identification											
CS-103 (2 0')											
CS-104 (2 0')											
CS-105 (2 0')											
SW-23 (0 5')											
SW-24 (0 5')											
SW-25 (0 5')											
SW-26 (0 5')											
SW-27 (0 5')											
SW-28 (0 5')											
SW-29 (0 5')											

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by (Signature)		Received by (Signature)		Date/Time		Received by (Signature)		Date/Time	
				4/23/2024					

Work Order No: 42701

Page 2 of 3

Project Manager: Ashton Thielke		Bill to (if different)		Carmona Resources	
Company Name: Carmona Resources		Company Name			
Address: 310 West Wall Ste 500		Address			
City, State ZIP: Midland, TX 79701		City, State ZIP			
Phone: 432-813-8988		Email: thielke@carmonaresources.com			

Project Name: Berry 2 SWD (11 27 2023)		Turn Around		Pres. Code	
Project Number: 2338		☐ Routine ☒ Rush			
Project Location: Lea County, NM		Due Date: 48 hrs			
Sampler's Name: GPJ					
PO #:					

ANALYSIS REQUEST										Preservative Codes	
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
SW-30 (0 5')	4/23/2024			X		C	1		X	X	
SW-31 (2 0')	4/23/2024			X		C	1		X	X	
SW-32 (2 0')	4/23/2024			X		C	1		X	X	
SW-33 (2 0')	4/23/2024			X		C	1		X	X	
SW-34 (2 0')	4/23/2024			X		C	1		X	X	
SW-35 (2 0')	4/23/2024			X		C	1		X	X	
SW-36 (2 0')	4/23/2024			X		C	1		X	X	
SW-37 (0 5')	4/23/2024			X		C	1		X	X	
SW-38 (0 5')	4/23/2024			X		C	1		X	X	
SW-39 (0 5')	4/23/2024			X		C	1		X	X	

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
		4/23/24 09:52			

Work Order No: 42701

Page 3 of 3

Project Manager: Ashton Thielke		Bill to (if different)		Carmona Resources	
Company Name: Carmona Resources		Company Name			
Address: 310 West Wall Site 500		Address			
City, State ZIP: Midland, TX 79701		City, State ZIP			
Phone: 432-813-8988		Email: thielke@carmonaresources.com			

Project Name: Berry 2 SWD (11 27 2023)		Turn Around		Carmona Resources	
Project Number: 2338		☐ Routine ☒ Rush			
Project Location: Lea County, NM		Due Date: 48 hrs			
Sampler's Name: GPJ					
PO #:					

ANALYSIS REQUEST										Preservative Codes			
										None	NO	DI Water	H ₂ O
										Cool	Cool	MeOH	Me
										HCL	HC	HNO ₃	HN
										H ₂ SO ₄	H ₂	NaOH	Na
										H ₃ PO ₄	HP		
										NaHSO ₄	NABIS		
										Na ₂ S ₂ O ₃	NaSO ₃		
										Zn Acetate	NaOH	Zn	
										NaOH+Ascorbic Acid	SAPC		
										Sample Comments			

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-42701-1
SDG Number: Lea County, NM

Login Number: 42701
List Number: 1
Creator: Vasquez, Julisa

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 352376

QUESTIONS

Operator: DKL Energy - Cottonwood, LLC 310 Seven Springs Way Suite 50 Brentwood, TN 37027	OGRID: 330291
	Action Number: 352376
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2333829905
Incident Name	NAPP2333829905 BERRY 2 @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received

Location of Release Source

Please answer all the questions in this group.

Site Name	BERRY 2
Date Release Discovered	11/27/2023
Surface Owner	Private

Incident Details

Please answer all the questions in this group.

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

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Human Error Other (Specify) Produced Water Released: 30 BBL Recovered: 2 BBL Lost: 28 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Release from filter pot

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

District II
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Phone:(575) 748-1283 Fax:(575) 748-9720

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

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

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

QUESTIONS, Page 2

Action 352376

QUESTIONS (continued)

Operator: DKL Energy - Cottonwood, LLC 310 Seven Springs Way Suite 50 Brentwood, TN 37027	OGRID: 330291
	Action Number: 352376
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

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

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Cassie Whitefield Email: cassie.whitefield@deleklogistics.com Date: 06/10/2024
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District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

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

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

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

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

QUESTIONS, Page 3

Action 352376

QUESTIONS (continued)

Operator: DKL Energy - Cottonwood, LLC 310 Seven Springs Way Suite 50 Brentwood, TN 37027	OGRID: 330291
	Action Number: 352376
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

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

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

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CONDITIONS

Action 352376

CONDITIONS

Operator: DKL Energy - Cottonwood, LLC 310 Seven Springs Way Suite 50 Brentwood, TN 37027	OGRID: 330291
	Action Number: 352376
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	6/10/2024